AGENDA FOR 29TH MEETING OF BUILDING & WORKS COMMITTEE

17TH October, 2023

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

AGENDA FOR 29TH MEETING OF BUILDING & WORKS COMMITTEE

VENUE	:	GOLDEN JUBLIEE ADMINISTRATIVE BUILDING NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA
DAY, DATE AND TIME	:	TUESDAY, THE 17TH, October 2023 AT 11.00 AM THROUGH BLENDED (OFFLINE/ONLINE) MODE

MEMBERS OF BUILDING AND WORKS COMMITTEE

1.	Prof B.V. Ramana Reddy Director, National Institute of Technology, Kurukshetra	Chairman
2.	Ex-officio Member of the Central Government (Director or Deputy Secretary or his nominee dealing with the NIT in the Ministry) -To be nominated by the Joint Secretary (NITs), Deptt. of Higher Education, Ministry of Education, Shastri Bhawan, New Delhi-110115	Member
3.	Ex-officio Member of the Central Government (Director or Deputy Secretary or his nominee dealing with the Finance of the NIT in the Ministry) -To be nominated by the Joint Secretary and Financial Advisor Department of Higher Education, Ministry of Education, (Shiksha Mantralaya) Government of India, Shastra Bhawan, New Delhi-110115	Member
4.	Shri A K Singhal, Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)	Member
5.	Dean (Planning & Development) National Institute of Technology, Kurukshetra	Member
6.	Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001	Member
7.	Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001	Member
8.	Prof. V.P. Singh Dean (Estate & Construction), National Institute of Technology, Kurukshetra.	Special Invitee

9.	Prof. Parveen Aggarwal Associate Dean (P&D) for (Estate& Construction), National Institute of Technology, Kurukshetra.	Special Invitee
10.	Dr. H.D. Chalak Faculty- in- Charge (Estate, Const. & Infra. Development) National Institute of Technology, Kurukshetra.	Special Invitee
11.	Dr. Kiran Kumar Jaladi Faculty- in- Charge (Elect. Mtc & Telephone) National Institute of Technology, Kurukshetra.	Special Invitee
12.	Sh. S.N. Kaushik, Assistant Engineer (Civil) SG-I National Institute of Technology, Kurukshetra	Special Invitee
13.	Sh. G.R. Samantaray Registrar-In-Charge National Institute of Technology, Kurukshetra	Member-Secretary

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

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BWC 29.1 To confirm the minutes of the 28th meeting of Building & Works Committee of National Institute of Technology, Kurukshetra held on 24.08.2022.

The minutes of the 28th meeting of Building & Works Committee held on 24.08.2022 were circulated to all the members of the Building & Works Committee with the request to send their comments within fifteen days, if any, vide letter No. NIT/28th B&WC/3766 dated 08.09.2022.

No comments have been received from any member of the Building & Works Committee.

The minutes of the 28th meeting of Building & Works Committee are enclosed as **Appendix 29.1 (i) from pages 2 to 5.**

The Building & Works Committee *may confirm the minutes of 28th meeting of the Building & Works Committee held on 24.08.2022.*

Annexure 29.1 (I)

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Minutes of the 28th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 24th August, 2022 at 11.00 a.m. through blended (offline/online) mode.

The following were present:

1.	Prof. B. V Ramana Reddy Director, National Institute of Technology Kurukshetra	Chairman
2.	Shri. Pawan Kumar Under Secretary(NITs) Department of Higher Education Ministry of Education, Shastri Bhawan New Delhi-110115	Member
3.	Shri Anil Kumar Director (IFD) Department of Higher Education Ministry of Education, Shastri Bhawan New Delhi-110115	Member
4.	Shri A. K. Singhal Former Director General C.P.W.D Flat No. B-2012 Gaur Green City Vaibhav Khand Indirapuram, Distt. Ghaziabad-202020(UP)	Member
5.	Prof. Brahmjit Singh Dean (Planning & Development) National Institute of Technology Kurukshetra	Member
6.	Er. Devendra Singh Executive Engineer (Civil) Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001	Member
7.	Er. Savita Ray Executive Engineer (Electrical) Karnal Central Electrical Division, CPWD 208-D,HSIIDC, Sector-3 Karnal (Haryana)-132001	Member

8	Prof. Arun Goel Prof. in-charge (Estate & Construction) National Institute of Technology Kurukshetra.	Special Invitee
9.	Dr. H.D. Chalak Faculty- in- Charge (Estate & Construction) National Institute of Technology, Kurukshetra	Special Invitee
10.	Dr. Kiran Kumar Jaladi Faculty- in- Charge (Elect. Mtc.& Telephone) National Institute of Technology Kurukshetra.	Special Invitee
11.	Sh. S.N. Kaushik Assistant Engineer (Civil) National Institute of Technology Kurukshetra	Special Invitee
12.	Sh. G.R. Samantaray Registrar-In-Charge National Institute of Technology Kurukshetra	Member-Secretary

Before the start of the deliberations, the Registrar In-Charge and Member Secretary, B&WC welcomed all the members present in the meeting. At the outset, the Hon'ble Chairman, B&WC addressed the members regarding the progress of completed/ongoing various construction works being executed/executing by CPWD at NIT, Kurukshetra.

The Building & Works Committee deliberated & decided the following on the various agenda items taken up in the meeting.

BWC 28.1 To confirm the minutes of 27th meeting of Building & Works Committee held on 19.01.2022.

The Building & Works Committee confirmed the minutes of the 27th meeting of Building & Works Committee of National Institute of Technology, Kurukshetra held on 19.01.2022.

BWC 28.2 To report the action taken on the minutes of the 27thmeeting of the Building & Works Committee held on 19.01.2022.

The Building & Works Committee noted the action taken report on the minutes of the 27thmeeting of the Building & Works Committee held on 19.01.2022.

BWC 28.3 **To ratify the action taken by the Director and Chairman B&WC of the Institute regarding to revise the cost estimate for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block and (ii) Additional floor over the existing building of MBA/MCA department.**

The Building and Works Committee was informed regarding the action taken by Director and Chairman B&WC of the Institute regarding to revise cost estimate of Rs. 1,80,91,794/- (Rs.1,73,91,200 + Rs. 7,00,594/-) for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block and (ii) Additional floor over the existing building of MBA/MCA department. The Building & Works Committee ratified the same.

BWC 28.4 To consider and approve the Preliminary Cost Estimate for the work of installation of piped music system in the NIT Campus Kurukshetra.

The Building and Works Committee deliberated on the matter and approved the preliminary cost estimate for an amount of Rs. 1,38,16,692/- for the work of installation of piped music system in the Campus of NIT Kurukshetra. The Minutes of this item is confirmed in the meeting itself.

BWC 28.5 To consider & approve the arbitration award awarded by the Arbitral Tribunal for the work of Construction of 300 seater multi-purpose boys hostel including 100 suits for foreign students, research scholars and married PG Students

The Building and Works Committee (B&WC) deliberated on the arbitration award given by Arbitral Tribunal for the above said work.

It was informed by the Institute that the above work was completed on 03.02.2018 and the CPWD had communicated to the Institute on 13.10.2021 that the construction agency engaged by the CPWD had filed the case for arbitration. Further the Executive Engineer Civil, CPWD & Member, B&WC, apprised that the arbitration award has been referred to legal counsel of CPWD for the legal opinion. After the approval of the competent authority of CPWD, the same will be communicated to NIT, Kurukshetra. The CPWD be requested to provide all the related documents and proceedings in this arbitration case to the Institute.

The B&WC decided that the payment of award amount awarded by the sole arbitrator be made to CPWD including GST.

Further, the B&WC also decided that the Memorandum of Understanding(MoU) signed between Central Public Works Department (CPWD) and National Institute of Technology, Kurukshetra on 20.12.2012 for execution of works needs to be reviewed in the light of the fact that the arbitration award amount paid to CPWD in various arbitration cases to settle the arbitration claims between the CPWD and construction agencies.

BWC 28.6 **To ratify the Arbitration award amount for payment to CPWD in the arbitration case between M/s. Chiranji Lal Gupta & Sons(P) Ltd. Vs. Union of India regarding Construction of Swimming Pool at NIT Kurukshetra.**

The Building and Works Committee ratified the minutes of Circulated Agenda of the Building & Works Committee (B&WC.C 1) dated 10.05.2022 regarding the arbitration case between M/s. Chiranji Lal Gupta & Sons(P) Ltd. Vs. Union of India regarding Construction of Swimming Pool at NIT Kurukshetra.

The meeting ended with a vote of thanks to the Chair.

08/09/22

(G. R Samantaray)
Registrar I/C & Member-Secretary
Building & Works Committee
NIT, Kurukshetra

Authenticated

08/09/22

(B. V. Ramana Reddy)
Director &
Chairman, Building & Works Committee
NIT, Kurukshetra

BWC 29.2 To report the action taken on the minutes of the 28th meeting of the Building & Works Committee held on 24.08.2022.

The action taken on the minutes of the 28th meeting of the Building & Works Committee held on 24.08.2022 is as under:

Agenda No.	Item	Recommendations of B&WC	Funding Head	Action Taken
BWC 28.1	To confirm the minutes of 27th meeting of Building & Works Committee held on 19.01.2022.	The minutes of the 27th meeting of Building & Works Committee held on 19.01.2022 circulated amongst the members vide letter No. NIT/27th B&WC/426 dated 25.01.2022 were confirmed.		No further action is required
BWC 28.2	To report the action taken on the minutes of the 27th meeting of the Building & Works Committee held on 19.01.2022	The B&WC noted the action taken on minutes of the 27th meeting of the Building & Works Committee held on 19.01.2022 • **BWC 24.5** The Senior Architect, CPWD, Chandigarh visited the Institute Campus on 10.01.2020 regarding Institute Master Layout Plan and a meeting was held with NIT, authority. Thereafter, the requirement for the proposed construction of new buildings and demolition of old buildings were conveyed to Senior Architect, CPWD vide letter no. CC/3487/67/719 dated 31.01.2020 regarding incorporation of Master Layout Plan for proposed and demolition of buildings. In this regard, the Senior Architect, CPWD intimated through e-mail dated 25.02.2020 that the draft proposed and demolition plan has been incorporated in the Institute Master Layout Plan. After detail deliberations the committee resolved that the date for the presentation of the Master Layout Plan of the Institute may be fixed at the earliest.		Power Point presentation was made by CPWD on dated 24.03.2021 for final decision regarding modifications/ changes in the Master Level Plan by the Institute. The CPWD has also submitted the proposed Master Layout Plan after power point presentation made to the Institute. The Institute intimated to Senior Architect, CPWD, Chandigarh region CPWD vide letter No. CC/3487/47/471 dated 28.01.2022. for submission of final copy of Master Layout Plan after incorporating the proposed buildings along with locations as shown

				in the presentation of Master Layout Plan during a meeting held on 24.03.2021. In response to above, the Chief Architect, CPWD submitted the Existing Site Layout Plan and Proposed Site Layout Plan vide letter no. CA(RCH) /SA-2/501/2022 /43-H dated 16.03.2022, which is under scrutinizing.
		• **BWC 26.5** The Committee was apprised that the detailed cost estimate of Rs. 87,13,400/- for strengthening of existing Cement Concrete pavement/road from North East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA Department and road between Jubilee Hall & Library including arrangement of drainage of storm water at NIT, Kurukshetra was already approved by Building & Works Committee and subsequently by FC & BOG vide item Nos. BWC 25.7, FC 41.4 & BOG 50th meeting respectively was based on DSR-2016. The revised cost estimate enhanced due to switching over to DSR-2018 from DSR-2016. Accordingly, the Superintending Engineer, Civil, CPWD submitted the revised detailed cost estimate based on DSR-2018 vide letter NIT-KKR/SE/ Karnal /2020/91 dated 23.01.2020 is of Rs. 1,04,33,700/-. After detailed deliberation and considering the above stated facts, the Building & Works Committee approved the revised detailed cost estimate with an amount of	IRG	The item no. 26.5 approved by B&WC on 25.02.2020. Further, in this regard, the decision of the 13th B&WC meeting held on 25.02.2010 is reproduced below: "That the works which were approved by the B&WC previously but the funds were not allocated for these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost Estimate". The above work being older than 3 years from the date of approval, so this work may be dropped.

		Rs. 1,04,33,700/-for strengthening of existing Cement concrete pavement/road from North East corner of CCN to Junction between Cauvery Hostel & MBA/MCA department and road between Jubilee Hall & Library including arrangement of drainage of storm water.		
		• **BWC 26.8** The Building and Works Committee deliberated on the matter and approved the Preliminary cost estimate with an amount of Rs. 58,67,900/- for providing and fixing of finish floor tiles in the common room, dinning hall, warden office and MMCA office in the old Boys Hostel No.(1-6) and Girls Hostel No. 1.	Seat Rent + Repair & Mainten ance	*The item no. 26.8 approved by B&WC on 25.02.2020. Further, in this regard, the decision of the 13th B&WC meeting held on 25.02.2010 is reproduced below: "That the works which were approved by the B&WC previously but the funds were not allocated for these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost Estimate". The above work being older than 3 years from the date of approval, so this work may be dropped.*
		• **BWC 26.10** The Building and Works Committee deliberated on the matter and approved the Preliminary cost estimate with an amount of Rs. 56,03,300/- for the provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex.	Repair & Mainten ance /IRG	*The item no. 26.10 approved by B&WC on 25.02.2020. Further, in this regard, the decision of the 13th B&WC meeting held on 25.02.2010*

				is reproduced below: *"That the works which were approved by the B&WC previously but the funds were not allocated for these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost Estimate".* The above work being older than 3 years from the date of approval, so this work may be dropped being the proposal for the provision of new footpath has initiated along the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk.
		• **BWC 26.12** The Building and Works Committee deliberated on the matter and approved the Preliminary cum detailed cost estimate with an amount of Rs. 87,04,500/- for construction of paved road by providing interlocking paver blocks surrounding the Oxidation Ponds near STP and provision of peripheral road along the boundary to access to maintenance staff for security point of view.	Repair & Maintenance /IRG	*The item no. 26.8 approved by B&WC on 25.02.2020. Further, in this regard, the decision of the 13th B&WC meeting held on 25.02.2010 is reproduced below:* *"That the works which were approved by the B&WC previously but the funds were not allocated for*

				these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost Estimate". *The above work being older than 3 years from the date of approval, so this work may be dropped.*
		• **BWC 26.13** The Committee was apprised that the detailed cost estimate of Rs.1,48,38,420/- for the work renovation/up-gradation of Senate Hall including Civil, Electrical, Audio System and furniture works at NIT, Kurukshetra was already approved by Building & Works Committee and subsequently by FC & BOG vide item Nos. BWC 25.12, FC 41.4 & BOG 50th meeting respectively was based on DSR 2016, PAR-2012. The revised cost estimate enhanced due to change in scope of work i.e. Uplift of the entrance and ground floor of the Senate Hall, Supply & fixing of auditorium Chair for Senate Hall, LAN points for the tables, CCTV at entrance & inside of the Senate Hall, UPS backup for Audio & Visual System which were not taken in the original estimates and switching over to DSR-2018 from DSR-2016, PAR-2019 from PAR-2012, and statutory taxes etc. Accordingly, the Executive Engineer, Civil, & Elect. CPWD submitted the revised detailed cost estimate based on DSR-2018, PAR-2019 vide letter No. 20(7)/CED/2019/100 dated 10.01.2020 and No.	Repair & Maintenance Head	The item no. 26.13 approved by B&WC on 25.02.2020. Further, in this regard, the decision of the 13th B&WC meeting held on 25.02.2010 is reproduced below: *"That the works which were approved by the B&WC previously but the funds were not allocated for these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost Estimate".* The above work being older than 3 years from the date of approval. The CPWD may be requested to submit the revised cost estimate and the same be put up

		20(NIT)/PS/CD/2020/261 dated 31.01.2020 is of Rs. 2,28,34,573/- After detailed deliberation and considering the above stated facts, the Building & Works Committee approved the revised detailed cost estimate with an amount of Rs. 2,28,34,573/- for renovation/up-gradation of Senate Hall including Civil, Electrical, Audio System and furniture works.		in the next B&WC meeting.
27.3	To consider and approve the Preliminary Cost Estimate for the covering of open air theatre at NIT, Kurukshetra.	The Building and Works Committee resolved that the preliminary cost estimate for the covering of open air theatre be deferred till the next meeting of B&WC.		The CPWD may be requested to submit the revised cost estimate and the same be put up in the next B&WC meeting.
27.4	To consider and approve the Cost Estimate for providing and fixing of vitrified tiles, false ceiling, aluminium partitioning, kota stone, chemical/acid resistant tiles and G.I. sheet shed etc. in the various departments i.e. ECE, School of Material Science and Technology, MED, Physical Education & Sports Section, CAD, Physics Department, School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Department etc.	The Building and Works Committee resolved that providing and fixing of vitrified tiles, false ceiling, aluminium partitioning, kota stone, chemical/acid resistant tiles and G.I. sheet shed etc. in the various departments i.e. ECE, School of Material Science and Technology, MED, Physical Education & Sports Section, CAD, Physics Department, School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Department etc. at NIT, Kurukshetra be deferred till the next meeting of B&WC.		Since various old buildings proposed under demolition so the work may be dropped.
27.5	To consider and approve the preliminary cost estimate for the construction of shed for covering the Sports Complex Stairs at NIT Kurukshetra (Civil & Electrical work)	The Building and Works Committee resolved that the above agenda item for preliminary cost estimate for the construction of shed for covering the Sports Complex Stairs (Civil & Electrical work) be deferred till the next meeting of B&WC.		This work may be deferred again till the next meeting of B&WC.

276	To consider and approve the preliminary cum detailed cost estimate for the provision of internal & external finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 1-3 & 7-10, Girls Hostels 1- 4 and Staff Quarters including BT/CT at NIT Kurukshetra.	The Building and Works Committee deliberated on the matter and approved the preliminary cum detailed cost estimate for an amount of Rs.23,16,06,500/- for the work of provision of internal & external finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 1-3 & 7-10, Girls Hostels 1- 4 and Staff Quarters including BT/CT at NIT Kurukshetra.	Repair & Mtc.	The work was approved by FC in its 47th meeting vide item no. 47.7 in phase-wise. (i) The work of provision of internal & external finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 1-3 & 7-10, Girls Hostels 1-4 and Staff Quarters including BT/CT is in progress and the same may be completed by 31.12.2023. (ii) The A/A & E/S has been conveyed to CPWD vide letter no. CC/3492(iii)/495/2743 dated 05.07.2023 for the work of provision of internal & external finishing i.e. distempering & painting including minor & major repair in Staff Quarters (Old) BA, BB, BC, CA, CB, CC, DA, DB, AD Type Quarters & Teachers Flat for F.Y. 2023-24 and the tender work is in process. Further, the repair of DA, E, F & G Type Quarters be got repaired i.e. painting & distempering etc. selectively as per requirement.

				(iii) The work of provision of internal & external finishing i.e. distempering & painting including minor & major repair in Boys Hostel No. 7, 8, 9 & 10 will be executed in the year of 2024-25.
27.7	To consider and approve the preliminary cost estimate for the provision of Inter locking paver blocks on ECO track from (i) West side of Oxidation Pond to Near MBA/MCA Block. (ii) Main gate of STP to H. No. CA-7 along the boundary wall. (iii) STP main gate to South West corner of the Kalpana Chawla Girl's hostel. (iv) South West Corner of the Kalpana Chawla Girl's Hostel to main boundary wall of the Institute towards west along the main storm water drain.	The Building and Works Committee resolved that the above agenda item for preliminary cost estimate for the provision of Inter locking paver blocks on ECO track be deferred till the next meeting of B&WC.		This work may be deferred again till the next meeting of B&WC.
27.8	To consider and approve the preliminary cost estimate for the construction of Boundary wall around hostel no. 5 (towards east side along the bearer barracks and on back side from south east corner upto main gate.)	The Building and Works Committee deliberated on the matter and approved the preliminary cost estimate for an amount of Rs.36,16,000- for the construction of Boundary wall around hostel no. 5 (towards east side along the bearer barracks and on back side from south east corner upto main gate).	IRG	The work has been physically completed. Final Bill and final UC is still awaited from CPWD.
27.9	To consider and approve the preliminary cost estimate for the construction of 3 nos. synthetic Tennis Court	The Building and Works Committee resolved that the above agenda item for preliminary cost estimate for the construction of 3 nos. synthetic		This work may be deferred again till the next meeting of B&WC as the complete layout

	with light facility etc. by dismantling the existing Tennis Court in the Sports Ground at NIT Kurukshetra.	Tennis Court with light facility etc. by dismantling the existing Tennis Court in the Sports Ground be deferred till the next meeting of B&WC.		plan of Sports area is awaited from Physical Education & Sports Section.
27.14.	To consider and approve the cost estimate for provision of installation of lifts alongwith toilet facilities for physically challenged students in various buildings at NIT Kurukshetra (Civil + Electrical Works).	The Building and Works Committee deliberated on the matter and approved the cost estimate for an amount of Rs.3,93,97,542/- for provision of installation of lifts alongwith toilet facilities for physically challenged students in various buildings at NIT Kurukshetra (Civil + Electrical Works).	EWS	The A/A & E/S of the work has already been conveyed vide letter no. CC/ 3492 (iii)/ 607/ 4721 dt 11.10.22. Further, a letter was conveyed to CPWD vide no. CC/3508/240/ 998 dt. 14.03.23 to submit the revised cost estimate for renovation of 04 nos. toilet blocks of the existing buildings, construction of new 02 nos. additional toilet blocks in the two existing structures only namely: 1) Examination Hall 2) Electrical Engineering Department and steel structure instead of RCC Structure for the lifts. In response to the above Assistant Engineer (Civil), CPWD, communicated to the Institute vide letter 24(NIT/AE/KSD/2023/95 dated 01.05.2023 regarding to provide the detailed drawings of these toilets alongwith location plan, additional

				two nos. toilet blocks for Examination Hall & Elect. Dept., Detail Architectural/ location drawings. Detail specifications of material showing arrangement of toilets in steel structure. Further, Executive Engineer (Civil) & (Elect.), CPWD, Karnal conveyed vide no. CC/3508/543/3005 dated 24.07.2023. regarding the reassessment of locations for the provision of installation of lifts along with toilet facilities for physically challenged students in various buildings (Civil + Electrical Works). In response to above a reply received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT)/CD/2023/ 1358 dated 27.07.2023 requesting to kindly convey the approved architectural drawings of the lift block retrofitted with the existing building. In this regard, a letter vide no. CC/3586 & 3508/642/4461

				Dated 08.09.2023 also conveyed to Chief Architect CPWD regarding to submit the drawings of lift block for the installation of lifts along with toilet facilities for physically challenged students in various buildings (Civil + Elect. Works). The reply from the Chief Architect, CPWD is awaited in this regard.
27.15	To consider and approve the cost estimate for construction of one Additional RCC Floor & lift block (G+2) over Existing (G+1) Lecture Hall Complex 12 Nos. (Vertical extension) at NIT Kurukshetra (Civil + Electrical Works)	The Building and Works Committee deliberated on the matter and approved the preliminary cost estimate for an amount of Rs.9,60,16,490/-for construction of one Additional RCC Floor & lift block (G+2) over Existing (G+1) Lecture Hall Complex 12 Nos. (Vertical extension) at NIT Kurukshetra (Civil + Electrical Works).	EWS	The A/A & E/S had been conveyed to CPWD and the CPWD has awarded the work to the contractual agency for its execution. Further, the work has been started by CPWD but till date no physical letter has been received in the Estate Office, NIT KKR which has already been demanded vide letter no. CC/ 3595/670/4598 dated 25.09.2023.
28.3	To ratify the action taken by the Director and Chairman B&WC of the Institute regarding to revise the cost estimate for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block and (ii)	The Building and Works Committee was informed regarding the action taken by Director and Chairman B&WC of the Institute regarding to revise cost estimate of Rs. 1,80,91,794/- (Rs.1,73,91,200 + Rs. 7,00,594/-) for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block		The work stands completed physically and put to use. Final Bill and final UC is still awaited from CPWD.

	Additional floor over the existing building of MBA/MCA department.	and (ii) Additional floor over the existing building of MBA/MCA department. The Building & Works Committee ratified the same.		
28.4	To consider and approve the Preliminary Cost Estimate for the work of installation of piped music system in the NIT Campus Kurukshetra.	The Building and Works Committee deliberated on the matter and approved the preliminary cost estimate for an amount of Rs. 1,38,16,692/- for the work of installation of piped music system in the Campus of NIT Kurukshetra. The Minutes of this item is confirmed in the meeting itself.		As per the joint visit by CPWD & NIT Officers in accordance with the minutes of the PRC meeting held on 12.01.23, this work is clubbed with the work of provision of cycle track & footpath with covering, piped music and lighting etc. from Main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk at NIT Kurukshetra. Now, the cost estimate of Rs. 6,22,03,800/- has been received from CPWD for the above said work and the same was put up before EAC in its meeting held on 6.10.2023. The EAC resolved and recommended that the preliminary cost estimate of Rs.6,22,03,800/- for the above said

				work, may be put up in the ensuing meeting of B&WC for approval.
285	To consider & approve the arbitration award awarded by the Arbitral Tribunal for the work of Construction of 300 seater multi-purpose boys hostel including 100 suits for foreign students, research scholars and married PG Students	The Building and Works Committee (B&WC) deliberated on the arbitration award given by Arbitral Tribunal for the above said work. It was informed by the Institute that the above work was completed on 03.02.2018 and the CPWD had communicated to the Institute on 13.10.2021 that the construction agency engaged by the CPWD had filed the case for arbitration. Further the Executive Engineer Civil, CPWD & Member, B&WC, apprised that the arbitration award has been referred to legal counsel of CPWD for the legal opinion. After the approval of the competent authority of CPWD, the same will be communicated to the competent authority of CPWD. The CPWD be requested to provide all the related documents and proceedings in this arbitration case to the Institute. The B&WC decided that the payment of award amount awarded by the sole arbitrator be made to CPWD including GST. Further, the B&WC also decide that the Memorandum of Understanding (MoU) signed between Central Public Works Department (CPWD) and National Institute of Technology, Kurukshetra on 20.12.2012 for execution of works needs to be reviewed in the light of the fact that the arbitration award amount paid to CPWD in various arbitration cases to settle the arbitration claims between the CPWD and construction agencies.		As intimated by the CPWD vide letter No. 54(NIT-KKR)/ CD/2022/ 2463 dated 15.11.22 that the award published by the Sole Arbitrator for an amount of Rs. 1,63,01,261/- vide award No. RKA/ARB/CPWD /07 dated 09.08.2022. Accordingly, after approval of the competent authority of the Institute the partially payment was released of Rs. 23,80,313/- to CPWD vide letter no. CC/3493(X)/ 801/6613 dated 22.12.2022. Further, the case is subjudice in the court.

28.6	To ratify the Arbitration award amount for payment to CPWD in the arbitration case between M/s. Chiranji Lal Gupta & Sons (P) Ltd. Vs. Union of India regarding Construction of Swimming Pool at NIT Kurukshetra.	The Building and Works Committee ratified the minutes of Circulation Agenda of the Building & Works Committee (B&WC.C 1) dated 10.05.2022 regarding the arbitration case between M/S Chiranji Lal Gupta & Sons (P) Ltd. Vs. Union of India regarding Construction of Swimming Pool at NIT Kurukshetra		Award has been published by the sole Arbitrator on 10.02.2022 in favour of agency engaged by CPWD the awarded amount of Rs. 20,49,247 has been released to CPWD on dated 6.06.2022. Further no action is required.

BWC 29.3 **To consider the recommendations of the Expert Committee regarding the dismantling of the Buildings/Structures in a phased manner including all ancillary Buildings at NIT Kurukshetra.**

In this regard it is apprised that a meeting with the CPWD representatives held on 25.07.2019 under the chairmanship of Director, NIT Kurukshetra to discuss the progress of on-going construction works. An expert committee under the chairmanship of Sh. A.K. Singhal Director General (Retd.) CPWD was constituted by the competent authority of the institute to inspect the old buildings which are to be dismantled constructed about 40-50 years back and to submit the report, with a scope:

a) Structural integrity of the 40-50 years old buildings & their life assessment.
b) Accordingly, their demolition plan also may be incorporated in the document.
c) Document should be duly vetted by all committee members.

Accordingly, a meeting was held on 30.08.2019 under the chairmanship of Sh. A. K. Singhal, Director General (Retd.), CPWD. The committee discussed the matter regarding structural integrity of old buildings and their life assessment, demolition plan of the buildings. During discussion, the committee decided that a few buildings in hostel area, institutional area and residential area may be inspected before proceeding further.

Thereafter, the committee visited/inspected (i) Hostels 1 & 2 (ii) Central Workshop Building (iii) E & DA Type Residential Quarters. During inspection the committee observed that all the above buildings are load bearing structures with Wide cracks in the boundary walls, main walls and parapet walls including settlements of RCC projections have been observed in the Residential Quarters and hostel buildings. Further, the cracks were also observed in the walls of Old Central Workshop Building.

After inspection of the above said buildings, the committee discussed and resolved that Provincial Division No.-1 PWD (B&R), Kurukshetra may be requested to provide drawings, design, life of buildings for which each building has been designed and the bylaws of building, as these buildings were constructed by PWD (B&R), Haryana, so that documentation/DPR for the demolition of the old buildings can be prepared. In this regard, the Executive Engineer PWD (B&R) Prov. Div. No.-1 Kurukshetra was requested vide no. EO/578 dated 20.09.2019 for provide design, drawings and life span of the buildings. In response, a letter no. 4521 dated

21.09.2019 was received from Executive Engineer PWD (B&R) Prov. Div. No.-1, Kurukshetra specifying non availability of drawing in the office. Further advised to contact the office of Chief Architect Haryana PWD (B&R) Branch, Chandigarh for requisite documents. Accordingly, the Chief Architect PWD (B&R), Haryana, Chandigarh was communicated vide letter no. EO/600/5741 dated 27.09.2019 but no response received till the date.

A letter was also sent to the Superintending Engineer (Civil), CPWD, Karnal vide no. CC/325/1918 dated 22.07.2020 for investigation/inspection of staff quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 regarding structural stability, economical ways of their repair and any other suggestions which CPWD deems fit. In reference to above, Executive Engineer (Civil), CPWD, Karnal vide no. 20(NIT)PS/CD/2020/1314 dated 28.07.2020, sought documents such as detailed drawings, copy of estimate, specifications, year of construction along with technical/structural audit of the building carried out and recommendations for taking further necessary action on the matter. The available documents were communicated to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3581/349/2241 dated 07.08.2020. Copies enclosed as **Appendix 29.3 (i) from pages 27 to 37.**

In response to above a reply received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2020/358 dated 01.09.2020 vide which it is stated that most of the buildings were constructed in the year 1965-1970 and based on the visual inspection of the buildings, this office is of the opinion that these buildings were constructed approximately 50 years back and have outlived their lives. The retrofitting and renovation work may not yield desirable increase in strength of the buildings and demands frequent maintenance. So based on the visual inspection, this office is of the opinion that these buildings should be demolished and reconstructed. However, the structural assessment by conducting non-destructive testing may be carried out at your end for conformance of the same. Subsequently a letter received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT)PS/CD/2020/1746 dated 08.09.2020 in the letter it is stated that the structural assessment by conducting non-destructive testing may be carried out at Institute and confirms for the same.

Further, letters were sent to Executive Engineer (Civil), CPWD Karnal vide no. CC/3581/440/3135 dated 30.09.2020 & CC/3581/13/106 dated 06.01.2021

requesting to classify houses into three categories i.e. a) How many quarters are not fit for occupation and require immediate demolition? b) How many quarters require major repairs for making them fit for occupation for the time being? c) How many quarters require minor repairs for making them fit for occupation for the time being?

In response to the above letters, a reply received from Executive Engineer (Civil), CPWD, Karnal vide no. 20(NIT(PS) /CP/2020/134 dated 16.01.2021, in which it is stated that for detailed report a detailed technical/structural audit of the building is required from some pioneer technical institution like IIT's/NIT's which performs all the destructive/non-destructive testing of the building structures.

The above said letter was discussed in the EAC meeting held on 29.01.2021 vide item no.15. The EAC resolved that the matter has already been taken up by an expert committee duly constituted by the competent authority of the Institute, this matter may be referred to the same committee for further consideration.

Accordingly, a meeting was held on 30.11.2021 under the chairmanship of Sh. A.K. Singh, Director General (Retd.), CPWD the prof. I/C (E&C) apprised the committee regarding the action taken as suggested by the committee in the earlier meeting held on 30.08.2019. The committee discussed technical/structural aspects of the buildings to be demolished.

The committee concluded with following remarks:

1. A reminder may be issued to Chief Architect, PWD (B&R) to provide the design, drawing and life span of the buildings as requested earlier vide letter dated 27.09.2019.
2. All the structures are load bearing structures and are 40-50 years old.
3. Committee recommended that constitution of Internal Committee for non-destructive testing of the structure if needed.
4. The committee is of the opinion that no new residential and Hostel structure can be constructed in the campus without dismantling the existing structure based on the report submitted by Chief Architect, CPWD during presentation. The report contains existing ground coverage and permissible ground coverage. The report indicates that the existing coverage in the residential area is 27.749% and in the Hostel area it is 28.765% whereas the permissible coverage is restricted to 25%.

5. The committee also observed that the reinforcement in the existing structural members is in corroded state and also various walls are settled and the structure is in poor state of condition, after the visit to various old buildings in the campus.
6. After getting the structural audit report from the internal committee final recommendation will be communicated. Copies enclosed as **Appendix 29.3 (ii) from pages 38 to 47**.

In the light of the observations of the committee, a reminder was sent to Chief Architect, CPWD, Chandigarh vide no. EO/757/5093 dated 10.12.2021 regarding to provide Design, Drawings and life span of old buildings.

In the meantime, the internal committee was constituted by the competent authority of the Institute on dated 09.12.2021. The constituted committee met on 24.01.2022 and resolved that looking at the nature and quantum of work involved and the required expertise, the Estate Section is advised to hire the services of some competent external agency having good expertise and logistical capability in the area of the stated work.

In reference to letter No. EO/757/5093 dated 10.12.2021 a reply received from Chief Architect Haryana, Chandigarh vide which, it is stated that the required drawings are not traceable in the office record. Regarding Design and Life Span of these buildings concerned Executive Engineer, Haryana, PWD (B&R) Kurukshetra may be consulted and the Executive Engineer, PWD (B&R), Provincial Division No.-1, Kurukshetra was communicated vide letter no. CC/3487/93 dated 16.02.2022 regarding to submit the design and life span of the old buildings.

Further, a letter was also conveyed to Superintending Engineer, CPWD Karnal regarding investigation/inspection of the structures of NIT Kurukshetra for Structural Stability, viable solution for strengthening and any other suggestions, which CPWD deems fit. The most of the structures were constructed in 1965-1970 and are of load bearing. They are also requested to submit the detailed investigation/inspection report. In response to the above, a letter was received from Superintending Engineer (CPWD), Karnal vide no. (NIT-KKR)/SE-Karnal/2022/528-H dated 28.04.2022; in which it is proposed to constitute a committee incorporating members from CBRI Roorkee, CPWD and NIT Kurukshetra for suggesting appropriate action regarding

existing structure with a view to ascertain the structural stability and finding viable solution for strengthening OR any other suggestions whichever may deem fit.

On the suggestion of the Superintending Engineer, CPWD a committee was constituted by the competent authority of the institute on 13.06.2022 after incorporating the members from CBRI Roorkee, CPWD and NIT Kurukshetra. Accordingly, a meeting was held on 22.08.2022 regarding structural stability of old buildings /structures of NIT Kurukshetra. A detailed visual inspection was carried out by the committee members during the planned visit to the structures/buildings under consideration. The meeting concludes with following observations:

- The buildings/structures were found in severe distressed condition.
- The Majority of the buildings/structures were found in dilapidated condition.
- Differential settlement is also observed in all kind of buildings/structures and in addition the buildings/structures were not planned for earthquake resistance features as per IS 1893: 2016.
- The grade of concrete in the structural members were observed below M15 grade.
- The corrosion in the reinforcing bars was seen in all kinds of structural members.
- The buildings/structures were already completed its life (more than 50 years).
- The experts also opined that these buildings/structures were beyond repairable.

Therefore, committee recommends dismantling of the buildings/ structures including all ancillary buildings/structures (example: Temporary Shops near G-Type etc.) defined in the table of the report in the phase-wise manner. Copies enclosed as **Appendix 29.3 (iii) from pages 48 to 59**.

The above minutes of the expert committee were put up before the Expert Committee under the Chairmanship of Sh. A.K. Singhal Director General (Retd.), CPWD, in its final meeting held on 03.02.2023 in the Board Room, Golden Jubilee Administrative Building vide letter no. CC/3581/2023/76/374 dated 27.01.2023 to discuss the following issues:

a) Structural integrity of old buildings & their life assessment.
b) Demolition Plan of old Hostels and Residential Buildings.
c) Preparation of documents for the above.

In the light of facts as explained above in various meetings of the committees and expert committee. The final minutes of the Expert Committee held on 03.02.2023 is as under:

The committee deliberated on the conditions of the existing buildings/structures in view of the report of the expert committee as well as the present requirement of the institute and concluded that the buildings/structures listed below should be demolished. Based on the report submitted by the committee constituted for structural stability after detailed visual inspection of the buildings/structures under consideration, an expert committee recommends for dismantling of the buildings/structures including all ancillary buildings/structures (Example: Temporary shops near G type etc.) defined in the table below in the phased manner. Further, the committee recommends that NIT Kurukshetra may take appropriate action as per recommendations. Copies enclosed as **Appendix 29.3 (iv) from pages 60 to 64.**

Phase I (Immediate dismantling)

Sr. No.	Name of Buildings/Structures	Number of Houses/ Structures	Year of Construction	Remarks/ Justifications
1	E-Type Houses (G+1)	24	1971	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	F-Type houses (1-12) (G+1)	12	1971	
3	G-Type Houses (G+1)	92	1971	
4	DA Type Houses (1-9) (G)	9	1975	

Phase II (Dismantling within 2-3 years)

Sr. No.	Name of Buildings/Structures	Number of Houses/Structures	Year of Construction	Remarks/ Justifications
1	CA Type Houses (G+1)	13	1973	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	DB Type Houses (1-68) (G+1)	68	1971	
3	Central Workshop Building (G)	1	1968	
4	Old Guest Houses Building (G)	1	1972	
5	Hostel No. 1, 2 & 3 (G+2)	3	1967	
6	CC Type Houses (G+1)	12	1975	
7	Girls Hostel (Alakhananda Bhawan) (G)	1	1971	
8	CB Type Houses (1-5) (G+1)	5	1973	

Phase III (Dismantling within 3-5 years)

Sr. No.	Name of Buildings/Structures	Number of Houses/ Structures	Year of Construction	Remarks/ Justifications
1	BB Type Houses (1-8) (G+1)	8	1977	Cracking, deterioration, bulging and spalling, corrosion of reinforcement and other distresses
2	BA Type Houses (G+1)	6	1975	
3	Director's Residence A1 (G+1)	1	1971	
4	BC Type Houses (1-6) (G)	6	1973	

The recommendations on the minutes of the expert committee regarding the dismantling of the Buildings/Structures in a phased manner including all ancillary Buildings at NIT Kurukshetra are placed before the Building & Works Committee for further *consideration and decision.*

Appendix 29.3 (i)

Subject: **Minutes of meeting held on 25.07.2019 at 03:00pm in the office chamber of the Hon'ble Director with the CPWD representatives**

A meeting with the CPWD representatives was held on 25.07.2019 at 03:00pm under the Chairmanship of Hon'ble Director to discuss the progress of the construction works. The following were present in the meeting.

1. Director, NIT, Kurukshetra
2. Superintending Engineer (Civil), CPWD
3. Executive Engineer (Civil), CPWD
4. Executive Engineer (Elect.), CPWD
5. Dean (P&D)
6. Registrar In-charge
7. Prof. I/C (E&C)

The following points were discussed in details.

1. Regarding SIEMENS Center (Centre of Excellence) Superintending Engineer (Civil), CPWD apprised that the tender of Civil & Electrical works have already been invited and will be opened on 26th July 2019, and 30th July, 2019 respectively.

2. Regarding progress of Indoor Badminton Hall, the CPWD apprised that process of re-inviting the tender is in progress. Superintending Engineer (Civil) has also apprised that the decision of the 41st Finance Committee and 50th BOG meeting regarding the sanctioned amount of this work i.e. not exceeding to 20% of already sanctioned amount i.e. Rs. 77,20,525.00 + 20% of already sanctioned amount i.e. Rs. 15,44,105.00 = Rs. 92,64,630.00.

   The CPWD requested to compete this work within the sanctioned amount of Rs. 92,64,630.00 strictly.

3. The list of new works are also discussed in detail. These works are carried out as per the preference and priority basis.

Sr. No.	Name of Works
1	Repair work including Civil, Electrical and audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra
2	Re-carpeting of various roads in the Institutional and Hostel areas
3	Strengthening of existing Cement Concrete pavement/road from North East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA Department and road between Jubilee Hall & Library including arrangement of drainage of storm water at NITK
4	Widening of various roads in the Institute. i Road from Apollo Canteen to Security Check Post between Hostel No. 7 & 8 along with the provision of footpath as per site requirement. ii Road from Tubewell No. 5 to Junction near disposal pump along with the provision of footpath as per site requirement. iii Road from Junction near disposal pump to North West corner of Guest House
5	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building at NIT, Kurukshetra
6	Provision of Internal & External finishing i.e. distempering & painting in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses.
7	Providing & fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. in the various departments.
8	Design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 600 seater multipurpose boys hostel and for horticulture purpose in the campus

Further, it was also discussed in the meeting that a Committee with the following members may be constituted to inspect the buildings which are to be dismantled i.e. Hostel Buildigns & Residential Buildings constructed 40-50 years back.

Contd.....P/2

1.	Sh. A.K. Singhal, Director General (Retd.), CPWD Member of B&WC of the Institute	Chairman
2.	Er. Sita Ram Aggarwal, Chief Engineer (Retd.), PWD (B&R)	Member
3.	Superintending Engineer (Civil), CPWD	Member
4.	Chief Architect, CPWD, Chandigarh	Member
5.	Prof. A. Swarup, Dean (P&D)	Member
6.	Prof. S.M. Gupta, Prof. I/C (E&C)	Member
7.	Er. S.N. Kaushik, Assistant Engineer (Civil)	Special Invitee

Meeting ending with the thanks to the chair.

Prof. I/C (E&C) 01.08.19

Dean (P&D) 01/8/19

D(P&D)/4 1/8/20

Registrar in-charge 05/8/19

Registrar Off.
Dairy No. 2240
Dt. 5.8.19

Director Dean P&D may submit the report on 'A' by August end, in terms of
(a):- structural integrity of the 40 to 50 yr old building & their life assessment.
(b):- Accordingly their demolition plan also may be incorporated in the document
(c):- Document should be duly vetted by all committee members.

05/08/19

Dean P&D Please invite the Committee members for meeting and inspection in view of 'A' and the above terms suggested by the Director.

05/8/19

Prof. I/C (E&C)
06.08.19

It is requested to kindly fix date, time & venue for the meeting ASAP.

8/8/19

2/8/19

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. EO/19/488 Dated. 09-08-2019

The Director has constituted the following Committee regarding to inspect the old Hostel buildings and residential buildings constructed 40-50 years back and also to discuss the following:

(a) structural integrity of old buildings and their life assessment
(b) Demolition Plan of old Hostels and Residential buildings
(c) Preparation of document for the above

1	Sh. A K Singhal, Director General (Retd.), CPWD Member of B&WC of the Institute	Chairman
2	Dr. Sita Ram Aggarwal, Chief Engineer (Retd.), PWD (B&R)	Member
3	Superintending Engineer (Civil), CPWD	Member
4	Chief Architect, CPWD, Chandigarh	Member
5	Prof. A. Swarup , Dean (P&D)	Member
6	Prof. S M Gupta Prof. I/C (E&CI	Member
7	Sh. S N Kaushik, Assistant Engineer)Civil	Special Invitee

The Chairman of the Committee is requested to kindly fix the date and time for the meeting.

09.08.19

Professor I/C (E&C)

Subject: Minutes of the meeting held on 30.08.2019 at 11:30AM under the Chairmanship of Sh. A.K. Singhal, Director General (Retd.), CPWD as nominee of Board on the B&WC of the Institute in the Board Room, Golden Jubilee Administrative Building at NIT, Kurukshetra

The following were present in the meeting.

1.	Sh. A.K. Singhal, Director General (Retd.), CPWD as nominee of Board on the B&WC of the Institute	Chairman
2.	Er. Sita Ram Aggarwal, Chief Engineer (Retd.), PWD (B&R)	Member
3.	Sh. Rajesh Kumar Dhiman, Chief Architect, CPWD	Member
4.	Er. Prashant Agarwal, Executive Engineer (Civil), CPWD representative of Superintending Engineer (Civil), CPWD	Member
5.	Prof. A. Swarup, Dean (P&D)	Member
6.	Prof. S.M. Gupta, Prof. I/C (E&C)	Member
7.	Er. S.N. Kaushik, A. E (Civil)	Special Invitee

The Dean (P&D) member of the committee welcomed all the members present in the meeting.

The committee discussed the matter regarding Structural integrity of old buildings and their life assessment, Demolition Plan of Hostels i.e. 1-5, Central Workshop Building, Residential Quarters and Preparation of documents for the same.

During discussion, the committee decided that a few buildings in Hostel area, Institutional area and Residential area be inspected before proceeding further.

Accordingly the committee visited/inspected (i) Hostels 1 & 2 (ii) Central Workshop Building (iii) E & DA Type Residential Quarters. During inspection the committee observed that all the above buildings are load bearing structures. Wide cracks in the boundary walls, main walls and parapet walls including RCC projections due to settlements have been observed in the Residential Quarters. Further, the cracks were also observed in the outer walls of Old Central Workshop Building. After inspection of the above said buildings, the committee discussed and resolved as under:

1. As these old buildings which are to be considered for demolition i.e. Hostels 1 to 5, Central Workshop Building & Residential Houses were designed & constructed by PWD (B&R) therefore PWD (B&R) Provincial Division No. I Kurukshetra may be requested to provide drawings, designs, life of buildings for which each building has been designed and the bye laws of the buildings so that documentation / DPR for the demolition of the above old buildings can be prepared.

Contd...P/2

2. The Committee resolved that to meet out the present and future requirements for the next 25 years, few old buildings need to be demolished in the Hostel, Academic and Residential Sectors. The present and future requirements will be incorporated in the Institute Master Plan by the Chief Architect, CPWD. The Chief Architect, CPWD also apprised that a presentation will be made before the Committee within a month, to finalize the present and future requirements of the Institute.

Meeting ended with thanks to the chair.

The above minutes were circulated amongst the members of the Committee through e-mail for confirmation. In this regard it is intimated that the confirmation for the same have been received from all the members and Er. Sita Ram Aggarwal, Chief Engineer (Retd.), PWD (B&R) confirmed the minutes on telephonic discussion placed in file.

23/9/19
A Swarup
Dean (P&D)

23.09.19
S M Gupta
Professor I/C (E&C)

23/09/19
S N Kaushik
Assistant Engineer (Civil)

Sd/-
Sita Ram Aggarwal
Chief Engineer (Retd.)
PWD (B&R)

Sd/-
Prashant Aggarwal
Executive Engineer (Civil)

Sd/-
Rajesh Kumar Dhiman
Chief Architect, CPWD

Sd/-
A K Singhal
Director General (Retd.),
CPWD

It is requested that the above recommendations of the Committee duly constituted may be approved please.

Submitted for kind consideration and approval please.

23.09.19
Prof. I/C (E&C)

Registrar I/C 23/9/19

Director 24/9/19

24/9/19

Prof I/C (E&C)
24/9/19

24/9/19

Registrar Office
Dairy No. 3209
Dt. 23.9.19

120(A)

NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA -136119

Dated: 20/9/19

No. EO/ 578

To

The Executive Engineer,
Provincial Division No. 1,
PWD (B&R), Haryana
Kurukshetra

Sub: To provide Design, Drawings and life span of buildings - reg.

Sir,

In reference to the meeting held at NIT, Kurukshetra on 30.08.2019, you are hereby requested to provide the Design, Drawings and life span of the following NIT, Kurukshetra (formerly REC, Kurukshetra) Buildings as these old buildings were constructed long back by Provincial Division No. 1, PWD (B&R) Haryana:

Sr. No.	Name of Building
1.	Boys Hostels 1 to 5
2.	Alaknanda Girls Hostel
3.	Central Workshop
4.	Residential Quarters BB 1 to 8, CA 1 to 13, CB 1 to 5, CC 1 to 12, DA 1 to 9, DB 1 to 68, E 1 to 24, F 1 to 12 and G-type houses

20.8.19

Professor I/C (Estate & Construction)

Copy for information to:

1. Dean (P&D).
2. SS to Registrar for kind information of the Registrar.
3. SS to Director for kind information of the Director.

(127)

ESTATE SECTION
Diary No. 1571
Dated 24/9/19

Haryana PWD (B&R)
Executive Engineer,
Provincial Division No.1,
PWD B&R Br;, Kurukshetra
Pin Code:- 136118

To

The Professor I/C (Estate & Construction) ,
NIT Campus, Kurukshetra.

Memo No. 4521 *Dated:-* 21/9/19

Subject: - ***To provide Design, Drawings and life span of buildings-reg.***

Reference:- ***Your office memo No. EO/578 dated 20.09.2019.***

In this connection, it is intimated that there is no drawing available in this office as per list attached as desired vide your office letter quoted under reference.

You are requested to contact the office of Chief Architect, Haryana PWD B&R, Br. Chandigarh for these drawings.

DA/NIL

Executive Engineer

(128)

NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA -136119

No. EO/600/5741 Dated: 27/09/19

To

The Chief Architect,
PWD (B&R), Haryana,
Nirman Sadan, Plot No. 1,
Sector 33-A
Chandigarh

Sub: To provide Design, Drawings and life span of buildings - reg.

Sir,

This is in reference to the meeting held at NIT, Kurukshetra on 30.08.2019, accordingly Executive Engineer, Provincial Division No.1, PWD, B&R, Kurukshetra conveyed through a letter vide No. EO/578 dated 20.09.2019. In response to our above referred letter the Executive Engineer, Provincial Division No.1, PWD, B&R, Kurukshetra intimated vide Memo No 4521 dated 21.09.2019 that there is no drawing available in this office as per list attached as desired. Further, he also suggested that to contact the office of Chief Architect, Haryana PWD B&R Br. Chandigarh for these drawings.

You are hereby requested to provide the Design, Drawings and life span of the following NIT, Kurukshetra (formerly REC, Kurukshetra) Buildings as these old buildings were constructed long back by Provincial Division No. 1, PWD (B&R) Haryana:

Sr. No.	Name of Building
1.	Boys Hostels 1 to 5
2.	Alaknanda Girls Hostel
3.	Central Workshop
4.	Residential Quarters BB 1 to 8, CA 1 to 13, CB 1 to 5, CC 1 to 12, DA 1 to 9, DB 1 to 68, E 1 to 24, F 1 to 12 and G-type houses

27.09.19

Professor I/C (Estate & Construction)

Copy for information to:

1. Dean (P&D).
2. SS to Registrar for kind information of the Registrar.
3. SS to Director for kind information of the Director.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No./CC/325/1918 Dated 22.07.2020

To

The Superintending Engineer (Civil)
CPWD, Karnal, HAFED Office Building,
2nd Floor, SCO 19-20, Sector-12(Part-I),
Karnal-132001

Subject: Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural Stability, Economical Repairs, Type of ways of Repairs and any other suggestions, which CPWD deems fit.

Sir,

This is with reference to the subject as cited above. The competent authority of the Institute has approved to refer the case to CPWD for Investigation/Inspection of the above said staff quarters regarding Structural Stability, Economical Repairs, Type of ways of Repairs and any other suggestions etc.

Therefore, it is requested to carry out the Investigation/Inspection of the above said staff quarters and submit the report to the Institute as early as possible. (within 15 days)

An early action in this regard will be highly appreciated.

Yours faithfully

22.07.2020

Prof. In charge (E&C)
Prof. I/C (Estate & Construction)
National Institute of Technology
(Institution of National Importance)
Kurukshetra-136119

Copy to:

1. A.E. (Civil)
2. A.E. (Civil), CPWD NIT Camp office
3. Executive Engineer (Civil), CPWD, NDRI Campus (Near State Bank of India), Karnal-132001
4. Dean (P&D) for information please
5. PS to Registrar for kind information of Registrar
6. Assistant Registrar to Director for kind information of the Hon'ble Director

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भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

30/07/2020

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : cpwdckarnal@gmail.com

संख्याः- 20(NIT)/चो.शा./क.मं/2020/ 1314 दिनांक...28.07.2020

To,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra.

SE(A) 31/7/2020

Sub :- Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.

Ref :- Your office letter No. /CC/325/1918 dated 22.07.2020

Sir,

With reference to the above subject, it is hereby brought to your kind notice that the above staff quarters have not been constructed by CPWD and no details of the buildings are available in this office.

It is requested to provide the detail drawings, copy of estimate provided by the construction agency, specification of the buildings, year of construction of the buildings along with technical/structural audit of the building carried out and your recommendations for taking further necessary action on the matter.

Prashant

(Prashant Agarwal) 24/7
Executive Engineer-Karnal
CPWD, Karnal

Copy to:-

1. Superintending Engineer, Karnal Circle, Hafed Office Building, 2nd Floor, S.C.O., Sector-12 (Part), CPWD Karnal for information please.
2. Dean (P & D), NIT for information & necessary action please.

Executive Engineer-Karnal

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NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. /CC/3581/349/3841 Dated 07.08.2020

To

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001.

Subject: **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

Reference: **Your office letter no. 20(NIT)PS/CD/2020/1314 dated 28.07.2020.**

In continuation to this office letter vide no. CC/325/1918 dated 22.07.2020, your good self alongwith Assistant Engineer (Civil) and Junior Engineer (Civil), CPWD inspected the above said staff quarters on 24.07.2020 and also intimated to the Institute for seeking detail drawings, copy of estimate provided by the construction agency, specifications of the buildings, year of construction of the buildings alongwith technical/structural audit of the buildings.

In this context, you are hereby intimated that a letter had already been sent to the Executive Engineer, Provincial Division No.-1, PWD (B&R), Haryana, Kurukshetra regarding to provide design, drawings and life span of buildings, as these buildings were constructed by PWD (B&R) Haryana in the years mentioned in the Table below as per the record of the Institute.

Sr. No.	Name of Houses	Year of Construction
1.	E-Type Houses (1-24)	1971
2.	F-Type Houses (1-12)	1971
3.	DA Type Houses (1-9)	1975
4.	DB Type Houses (1-68)	1971

Further, in this regard it is relevant to note that the **Central Public Works Department is the Premier Central Construction Organization of the country dealing with all type of construction works including special repairs/renovations, rehabilitation of structure and structural audit, investigations & Structural Stability.**

In view of the above, it is therefore, requested to submit the Investigation/Inspection Report of the above said staff quarters as per the inspection of the above staff quarters on 24.07.2020 regarding Structural Stability, Economical Repairs, Type & ways of Repairs, any other suggestions, Feasibility regarding occupancy etc. & specific recommendation.

An early action in this regard will be highly appreciated.

06.08.2020

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Dean (P&D) for information please
3. A.E. (Civil), CPWD, NIT Camp Office
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. PS to Registrar for kind information of Registrar
5. Assistant Registrar to Director for kind information of the Hon'ble Director

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भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कुरूक्षेत्र उप–मण्डल, कुरूक्षेत्र

सत्यमेव जयते

संख्या:– 24(NIT)/स.ई./कु.उ.म./2020/ 358 दिनांक 1/9/20

सेवा मे,

Prof. Incharge
Estate & Construction,
एन.आई.टी. कुरूक्षेत्र.

ESTATE SECTION
Diary No. 637....
Dated...1/9/2020

विषयः– **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural stability, Economical repairs, Type of ways of repair and any other suggestions, which CPWD deems fit.**

संदर्भः– Dean Estate office letter No. CC/325/1918 dated 22.07.2020 & CC/3581/349/2241 dated 07.08.2020.

With reference to your letter under reference, vide which it has been asked to conduct the Investigation/Inspection of the above staff quarters regarding structural stability and economical repairs. In this regard the visual inspection of the buildings was done by the undersigned along with the Executive Engineer, CPWD, Karnal on dated 24.07.2020 as per the detail below:-

Sr. No.	Name of Houses	Year of Construction
1.	E-Type Houses (1-24)	1971
2.	F-Type Houses (1-12)	1971
3.	DA Type Houses (1-9)	1975
4.	DB Type Houses (1-68)	1971

As per details provided by you vide your letter under reference the above building were constructed in the year 1971 for sr. no. 1,2 & 4 and in 1975 at sr. no. 3. Based on the visual inspection of the buildings this office is of the opinion that these buildings were constructed approximately 50 years back and have outlived their lives. Surface cracks are visible at site. The retrofitting and renovation work may not yield desirable increase in strength of the buildings and demand frequent maintenance. So based on the visual inspection, this office is of the opinion that these buildings should be demolished and reconstructed. However, the structural assessment by conducting non-destructive testing may be carried out at your end for conformance of the same.

Further, if new buildings are to be constructed after demolishing the site survey is to be carried out, so that architectural planning of the buildings can be done. The enabling estimate for carrying out site survey can be submitted, if asked.

This is submitted for your kind information and further necessary action please.

सहायक अभियन्ता,
कुरुक्षेत्र उप-मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपी:- Executive Engineer, Karnal for information and further necessary action in respect to the joint inspection of the above said buildings on dated 24.07.2020.

सहायक अभियन्ता

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14.9.20

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.knl.cpwd@nic.in

संख्याः- 20(NIT)/को.शा./क.मं/2020/1746 दिनांक 08.09.2020

To,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra.

Sub :- **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

Ref :- Your office letter No. /CC/325/1918 dated 22.07.2020 & CC/3581/349/2241 Dated 07.08.2020

Sir,

With reference to above subject under reference, it is hereby brought to your kind notice that the above building was inspected by the undersigned along with the Assistant Engineer, NIT Kurukshetra on dated 24.07.2020. It is seen that the above quarters are in deteriorated condition and beyond economical repair. Retrofitting and strengthening measures will not serve the intended purpose for long duration & will require frequent maintenance. In this scenario, it will be futile to carry out the repair/renovation of these quarters. It is found that the building is constructed in 1971 onward as per details provided vide your letter dated 07.08.2020 which is approximately constructed 50 year back & have outlived there lives and beyond economical repair. The retrofitting and renovation work may not yield desirable increase in strength of the buildings and demand frequent maintenance. So based on the visual inspection this office is of the opinion that these quarters should be demolished and reconstructed. However, the structural assessment by conducting non-destructive testing may be carried out at your end for conformance of the same. 'A'

Further, if new buildings are to be constructed after demolishing then the site survey is to be carried out, so that architectural planning of the buildings can be done. The enabling estimate for carrying out site survey can be submitted, if asked for.

This is for your kind information and further necessary action please.

(Prashant Agarwal)
Executive Engineer-Karnal
CPWD, Karnal

Copy to:-

1. Superintending Engineer, Karnal Circle, Hafed Office Building, 2nd Floor, S.C.O. Sector-12 (Part), CPWD Karnal for information please.
2. Dean (P & D), NIT for information & necessary action please.

Prashant
Executive Engineer-Karnal

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For n.a. regarding 'A'.
14/09/2020
PI(Estate)
AE(C) Plase discuss 14.9.20

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NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. /CC/3581/440 | 3135 Dated 29.09.2020
30.09.2020

To

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001.

Subject: **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

Reference: **Your Office Letter No. 20(NIT)PS/CD/2020/746 dated 08.09.2020.**

With reference to this office letter vide Nos. CC/325/1918 dated 22.07.2020 & CC/349/2241 dated 07.08.2020 vide which you were requested to submit the report regarding special repairs/renovations, rehabilitation of structures and structural audit, investigations & structural stability for various staff quarters as cited in the subject. In response to Institute's letters, a letter received from CPWD, in which it was stated that *"Based on visual inspection these quarters should be demolished and reconstructed"*.

The investigation/inspection report received from CPWD regarding Staff Quarters as mentioned in the subject, is not satisfactory. Therefore, you are again requested to submit the following point-wise detailed report for the quarters, keeping in view of the fact that all the quarters cannot be demolished & reconstructed at once, because the Faculty and Staff are residing in these quarters.

a) How many quarters (as mentioned in the subject) are not fit for occupation and require immediate demolition and their reconstruction?

b) How many quarters (as mentioned in the subject) require major repairs for making them fit for occupation for the time being?

c) How many quarters (as mentioned in the subject) require minor repairs for making them fit for occupation for the time being?

Keeping in view of the above points, you are requested to submit the detailed investigation/inspection suggesting minor/major repairs, as required. You are also requested to submit the Cost Estimate for the same.

This is for information and further necessary action please.

29.09.2020

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Dean (P&D) for information please
3. A.E. (Civil), CPWD, NIT Camp Office
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. PS to Registrar for kind information of Registrar
6. Assistant Registrar to Director for kind information of the Hon'ble Director

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NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

Reminder

No. /CC/3581/13/106 Dated: 06.01.2021

To,

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001.

Subject: **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

With reference to this office letter vide Nos. CC/325/1918 dated 22.07.2020, CC/349/2241 dated 07.08.2020 & CC/3581/440/3135 dated 30.09.2020 vide which you were requested to submit the report regarding special repairs/renovations, rehabilitation of structures and structural audit, investigations & structural stability for various staff quarters as cited in the subject. In response to Institute's letters, a letter received from CPWD, in which it was stated that *"Based on visual inspection these quarters should be demolished and reconstructed"*.

The investigation/inspection report received from CPWD regarding Staff Quarters as mentioned in the subject, is not satisfactory. Therefore, you are again requested to submit the following point-wise detailed report for the quarters, keeping in view of the fact that all the quarters cannot be demolished & reconstructed at once, because the Faculty and Staff are residing in these quarters.

a) How many quarters (as mentioned in the subject) are not fit for occupation and require immediate demolition and their reconstruction?

b) How many quarters (as mentioned in the subject) require major repairs for making them fit for occupation for the time being?

c) How many quarters (as mentioned in the subject) require minor repairs for making them fit for occupation for the time being?

Keeping in view of the above points, it is to inform you that till date no reply/information has been received in this office. You are once again requested to submit the detailed investigation/inspection suggesting minor/major repairs, as required. You are also requested to submit the Cost Estimate for the same.

This is for information and further necessary action please.

06.01.2021

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Dean (P&D) for information please
3. A.E. (Civil), CPWD, NIT Camp Office
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. PS to Registrar for kind information of Registrar
6. Assistant Registrar to Director for kind information of the Hon'ble Director

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भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.krl.cpwd@nic.in

संख्याः- 20(NIT)/यो.शा./क.मं/2020/134 दिनांक...16.01.2021

To,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra.

AE(C) 22.01.2021

ESTATE SECTION
Diary No. 112
Dated. 22/01/21

S 25/01/2021

Sub :- **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-9 and DB-1 to DB-68 Regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

Ref :- i) Your office letter No. /CC/3581/440/3135 dated 29/30.09.2020
& No. CC/3581/13/106 dated 06.01.2021
ii) This office letter No. 1746 dated 08.09.2020

Sir,

Please refer to your letters under reference vide which, it has been stated that the report received from CPWD is not satisfactory and detailed inspection report quarter wise has been sought by NIT. In this regard, it is hereby intimated that inspection report submitted by this office was on the basis of visual inspection report and year of construction of building as provided by NIT. It was seen that buildings were constructed in the year 1971 and have more or less outlived their lives and are beyond economical repair and as per the visual inspection also structural cracks were observed in the buildings and accordingly this office was of the opinion that the buildings should be demolished and reconstructed. However, now vide your letter it has been asked to submit detailed report on the matter.

In this regard, it is hereby intimated that for detailed report a detailed technical/ structural audit of the building is required from some pioneer technical institution like IIT's/NIT's which performs all the destructive/non destructive testing of the building structures. CPWD does not do a structural audit as no means/testing facilities are available to perform such audit. It is, therefore, requested to get the detailed structural audit/ technical audit from some external agency or it can be done

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by your good self also as CPWD is getting many testing of its own works from NIT Kurukshetra and only then a point-wise detailed report can be prepared.

This is for your kind information and further necessary action please.

Your Faithfully,

Prashant 16/1/21

(Prashant Agarwal)
Executive Engineer-Karnal
CPWD, Karnal

Copy to:-

1. Superintending Engineer, Karnal Circle, Hafed Office Building, 2nd Floor, S.C.O., Sector-12 (Part-1), CPWD Karnal for information please.
2. Dean (P & D), NIT for information & necessary action please.

Executive Engineer-Karnal

-3/N-
Etc (minutes of 45th Meeting held on 29.01.2021)

15 **Investigation/Inspection of Staff Quarters E-1 to E-24, F-1 to F-12, DA-1 to DA-2 and DB-1 to DB-66 Regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.**

In this regard the EAC was apprised that the CPWD was intimated vide letter no. CC/3581/440/3135 dated 29/30.09.2020 & CC/3581/13/106 dated 06.01.2021 for Investigation/ Inspection of Staff Quarters regarding Structural Stability, Economical Repair, Type of ways of Repairs and any other suggestions, which CPWD deems fit.

In this regard the CPWD has submitted a report vide letter no. 20(NIT)PS/KC/2020/134 dated 16.01.2021 and the conclusive part of the report is reproduced below:

"In this regard, it is hereby intimated that for detailed report a detailed technical/structural audit of the building is required from some pioneer technical institution like IIT's/NIT's which perform all the destructive/non destructive testing of the building structures. CPWD does not do a structural audit as no means/testing facilities are available to perform such audit. It is, therefore, requested to get the detailed structural audit/technical audit from some external agency or it can be done by your good self also as CPWD is getting many testing of its own works from NIT Kurukshetra and only then a point-wise detailed report can be prepared".

The EAC discussed the letter in detail. The EAC resolved & recommended that since the matter has already been taken up by a special committee duly constituted by the competent authority, this matter may be referred to the same committee for further consideration.

16 **Provision of shed and flooring in the Open courtyard between G-102 and boundary wall of Non-Teaching Club.**

The matter was discussed in detail in the EAC. The EAC resolved and recommended that the construction of shed in the open courtyard between G-102 and boundary wall of Non-Teaching Club is not feasible due to aesthetic point of view. However, committee recommended that the flooring in the open courtyard may be provided with suitable material which is available in the Estate Store.

17 **Construction of Boundary Wall around Hostel No. 5 & 6.**

The matter was discussed in detail in the EAC. The EAC resolved and recommended that the boundary wall may be constructed partially towards East & West side of the safety and stopping the trespassing of that area. The CPWD may be requested to submit the cost estimate.

18 **Provision of dustbins, road of 6' wide on the East side of Hostel no.-5 and additional toilets in the bearer barracks.**

The matter was discussed in detail in EAC. The EAC was apprised that as per norms dustbins, road 6'wide and additional toilets have already been provided in bearer breaks. Hence EAC resolved and recommended that additional dustbins, toilets and 6' wide road would not be required. These additional dustbin will disturb the surround aesthetic.

19 **Provision of Inter locking paver blocks on ECO track from West side of Oxidation Pond to Near MBA/MCA Block, from main gate of STP to House No. CA-7 along the boundary wall, STP main gate to South West corner of the Kalpana Chawala Girl's hostel and South West Corner of the Kalpana Chawla girl's Hostel to main boundary wall of the Institute towards west along the main storm water drain.**

The matter was discussed in detail in the EAC. The EAC resolved and recommended that a letter may be written to CPWD for submission of cost estimate of the proposed work.

20 **To discuss regarding structural stability and economical repairs in the Guest House.**

The matter was discussed in detail in the EAC. The EAC resolved and recommended that a letter may be sent to CPWD for providing a report on structural stability & economical repairs of the Guest House.

21 **Provision of furniture for additional floor over the existing building of MBA/MCA Department**

22 **Provision of furniture for 2nd floor over Old MBA Block (New Workshop Building).**

The matter regarding provision of furniture items in additional floor over the existing building of MBA/MCA Department & 2nd floor over Old MBA Block (New Workshop Building) was discussed in detail in the EAC. The EAC resolved and recommended that firstly requirement of furniture items may be obtained from the concerned Head of Departments, so that after compilation the same may be put up in the EAC meeting.

Subject: Minutes of the meeting held on 30.11.2021 at 12:00 noon under the Chairmansh Sh. A.K. Singhal, Director General (Retd.), CPWD as nominee of Board on the B& of the Institute in the Board Room, Golden Jubilee Administrative Building at N Kurukshetra .

The following were present in the meeting.

1.	Sh. A.K. Singhal, Director General (Retd.), CPWD as nominee of Board on the B&WC of the Institute	Chairman
2.	Er. Sita Ram Aggarwal, Chief Engineer (Retd.), PWD (B&R)	Member
3.	Superintending Engineer (Civil), CPWD, Karnal	Member
4.	Prof. Brahmjit Singh, Dean (P&D)	Member
5.	Prof. Arun Goel, Prof. I/C (E&C)	Member
6.	Dr. H.D. Chalak, Faculty I/C (E&C)	Special Invitee
7.	Dr. Sandeep Kakran Faculty I/C (EM&T)	Special Invitee
8.	Er. S.N. Kaushik, A. E (Civil)	Special Invitee

The Prof. I/C (E&C) member of the committee welcomed all the members present for the meeting.

The Prof. I/C. (E&C) apprised the committee regarding the action taken as suggested by this committee in the earlier meeting held on 30.08.2019. The committee discussed technical/ structural aspects of the buildings to be demolished. The committee concluded with following remarks:

1. A reminder may be issued to Chief Architect, PWD (B&R) to provide the design, drawing and life span of the buildings as requested earlier vide letter dated 27.09.2019. Required details be obtained even on getting personal visits.

2. All the structures are load bearing structures and are 40-50 years old. The existing condition of the structures has been shown through presentation & the on-site inspection which gives a poor picture of the structures.

3. It is recommended to carry out the non-destructive testing of existing structures for getting the better idea of the structures. Further, the extent of testing for load bearing structure is also very much limited. So, it was decided that the internal committee of the Institute may be formed to perform the various non- destructive tests

(149)

on RCC members of the structures and also give necessary interpretation after the inspection of the load bearing walls and indicate extent of corrosion in the reinforcement.

4. The committee is of the opinion that no new residential and hostel structure can be constructed in the campus without dismantling the existing structure based on the report submitted by Chief Architect, CPWD during presentation. The report contains existing ground coverage and permissible ground coverage. The report indicates that the existing coverage in the residential area is 27.749 % and in the Hostel area it is 28.765% whereas the permissible coverage is restricted to 25%.

5. The committee also observed that the reinforcement in the existing structural members is in corroded state and also various walls are settled and the structure is in poor state of condition, after the visit to various old buildings in the campus.

6. After getting the structural audit report from the internal committee final recommendation will be communicated.

Meeting ended with a vote of thanks to the Chair.

(H.D. Chalak) 30/11

(Sandeep Kakran) 30-11-21

(S.N. Kaushik) 30/11/21

(C. B. Singh) 30/11/2021

(Brahmjit Singh)

(Arun Goel) 30.11.2021

(A.K. Singhal)

(Sita Ram Aggarwal) 30-11-2021

D(P&D)277
9/12/2021
D

In accordance with recommendation at Sr. no. 3, the following committee is proposed:

1. Prof. S.M. Gupta, Chairman
2. Prof. Ashwani Jain, Member
3. Dr. H.D. Chalak, convener

Brahmjeet
09.12.2021

Director

Approved.
09/12/21

Dean (P&D)
10.12.2021

Prof. i/c (ERC)

Appendix 29.3 (iii)

(146)

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. EO/757/5093 Dated: 10.12.2021

To

The Chief Architect,
PWD (B&R), Haryana,
Nirman Sadan, Plot No.-11,
Sector 33-A,
Chandigarh

Subject: Request to provide Design, Drawings and Life span of buildings - reg.

Sir,

This is with reference to this office letters no. EO/600/5741 dated 27.09.2019 & EO/98/596 dated 10.02.2021, vide which the information were sought from your good office regarding the Design, Drawings and Life span of the following Buildings which were constructed by Provincial Division of PWD (B&R) Haryana at NIT, Kurukshetra (formerly known as REC Kurukshetra). :

Sr. No.	Name of Buildings
1	Boys Hostel 1-5
2	Alaknanda Girls Hostel
3	Central Workshop
4	Residential Quarters BB-1 to 8, CA-1 to 13, CB-1 to 5, CC-1 to 12, DA-1 to 9, DB-1 to 68, E-1 to 24, F-1 to 12 and G-type houses.

In view of the above it is also intimated that no reply on the subject cited above has been received from your good office, so far.

Therefore, it is once again requested to provide the Design, Drawings and Life span of the above said buildings as early as possible.

An early action in this regard will be highly appreciated.

10.12.2021

Prof. I/C (Estate & Construction)

Copy to:

1. Dean (P&D) for information please
2. PS to Registrar for kind information of Registrar
3. AR to Director for kind information of the Hon'ble Director

(146)

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. EO/757/5093 Dated 10.12.2021

To

The Chief Architect,
PWD (B&R), Haryana,
Nirman Sadan, Plot No.-11,
Sector 33-A,
Chandigarh

Subject: Request to provide Design, Drawings and Life span of buildings - reg.

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Sr. No.	Name of Buildings
1	Boys Hostel 1-5
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4	Residential Quarters BB-1 to 8, CA-1 to 13, CB-1 to 5, CC-1 to 12, DA-1 to 9, DB-1 to 68, E-1 to 24, F-1 to 12 and G-type houses.

In view of the above it is also intimated that no reply on the subject cited above has been received from your good office, so far.

Therefore, it is once again requested to provide the Design, Drawings and Life span of the above said buildings as early as possible.

An early action in this regard will be highly appreciated.

10.12.2021

Prof. I/C (Estate & Construction)

Copy to:

1. Dean (P&D) for information please
2. PS to Registrar for kind information of Registrar
3. AR to Director for kind information of the Hon'ble Director

(157)
ESTATE SECTION
Diary No. 83
Dated 24-1-2022

DEPARTMENT OF CIVIL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. CED/2022/ 94 Dated: 24.01.2022

This is in reference to the committee constituted vide No. CC/3506/762 dated 13.12.2021 related to non-destructive testing of various structures in the institute.

The constituted committee met on 24.01.2022 to consider the matter as referred in the letter. It was resolved that looking at the nature and quantum of work involved and the required expertise, the estate section is advised to hire the services of some competent external agency having good expertise and logistical capability in the area of the stated work.

This is for your information please.

24.01.2022
(S M Gupta)

24/01/22
(Ashwani Jain)

24/01/22
(H D Chalak)

Prof.-in-Charge (Estate & Construction)

Dean (P&D)
25.01.2022

Copy to:-

1. Dean (P & D)
2. AR to Director for kind information of the Director

PL. propose certain action plan for the purpose so as to take the work further.
25.01.2022

Prof. I/C (E&C)
25.01.2022

For I/C (E&C)
A.E. (C)
25/01

25/1/22
P/I/(E&C)
25/01/22

For I/C (E&C)

The report may be discussed in the committee meeting in chairmanship of Sh. A.K. Sharma (Retd) CWO, CPWD
25/01/22

Department of Architecture, Haryana
वास्तुकला विभाग, हरियाणा
Plot No. 1, Nirman Sadan, Sector 33-A, Chandigarh. 160020
प्लॉट नं. 1, निर्माण सदन, सेक्टर -33 ए, चंडीगढ़ 160020
E-mail: cahry@hry.nic.in

To

Prof.I/C (Estate & Construction)
Estate Section,
National Institute of Technology
Kurukshetra.

...ETRA
Diary No. 919
Dated 15/02/2022

Memo. No. Arch-2022/SA 4/ CFMS
Dated Chandigarh, the

Subject : Regarding Design, Drawings and Life span of buildings.

*****

Ref:- Your office memo No.EO/757/5093 dated 10.12.2021.

In this regard, it is intimated that a request for Design/Drawing and Life span of existing building i.e. Boys Hostel 1-5, Alaknanda Girls Hostel, Central Workshop, Residential Quarters & G-type houses which are not traceable in this office record. Regarding Design and Life span of these buildings concerned Executive Engineer, Haryana, PWD B&R, Kurukshetra may please be consulted.

DA/Nil

(Sanjay Ahlawat)
Architect
for Chief Architect Haryana,
Deptt.of Architecture,
Chandigarh.

Endst. No. Arch-2022/SA-4/ CFMS 1309 Dated, the 10/2/22

Copy forwarded to the following for information/ necessary action:-

1. The Dean (P&D), NIT, Kurukshetra.
2. PS to Registrar for kind information of Registrar, NIT, Kurukshetra.
3. AR to Director for kind information of the Hon'ble Director. NIT Kurukshetra.

Architect
for Chief Architect Haryana,
Deptt.of Architecture,
Chandigarh.

DA/Nil

15/02/22

Prof. I/c (E/RC)
Fac Inc (E&C)
A.E.(C)
15/02/22
SE(A)
17/2/22

Department of Architecture, Haryana
वास्तुकला विभाग, हरियाणा
Plot No. 1, Nirman Sadan, Sector 33-A, Chandigarh. 160020
प्लॉट नं.1,निर्माण सदन, सेक्टर -33 ए, चंडीगढ़ 160020
E-mail: cahry@hry.nic.in

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To

Prof.I/C (Estate & Construction)
Estate Section,
National Institute of Technology
Kurukshetra.

Memo. No. Arch-2022/SA 4/ CFMS
Dated Chandigarh, the

Subject : Regarding Design, Drawings and Life span of buildings.

*****

Ref:- Your office memo No.EO/757/5093 dated 10.12.2021.

In this regard, it is intimated that a request for Design/Drawing and Life span of existing building i.e. Boys Hostel 1-5, Alaknanda Girls Hostel, Central Workshop, Residential Quarters & G-type houses which are not traceable in this office record. Regarding Design and Life span of these buildings concerned Executive Engineer, Haryana, PWD B&R, Kurukshetra may please be consulted.

DA/Nil

(Sanjay Ahlawat)
Architect
for Chief Architect Haryana,
Deptt.of Architecture,
Chandigarh.

Endst. No. Arch-2022/SA-4/ CFMS 1308 Dated, the 10/2/22

Copy forwarded to the following for information/ necessary action:-

1. The Dean (P&D), NIT, Kurukshetra.
2. PS to Registrar for kind information of Registrar, NIT, Kurukshetra.
3. AR to Director for kind information of the Hon'ble Director. NIT Kurukshetra.

DA/Nil

Architect
for Chief Architect Haryana,
Deptt.of Architecture,
Chandigarh.

15.02.22

PW(E&C)

Fac Sc (E&C)

A.E. (C)

SS(R) 17/2/22

(161)

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3487/93 Dated: 16.02.2022

To

The Executive Engineer
Provincial Division No.-1
Haryana PWD, B&R,
Kurukshetra

Subject: Regarding Design, Drawings and Life span of buildings -

Reference: Memo no. Arch-2022/SA 4/CFMS1307 dated 10.02.2022

In continuation to the above referred letter under reference received from Chief Architect Haryana, Department of Architecture, Chandigarh, vide which it is intimated that the design/drawing and life span of existing building i.e. Boys Hostel 1-5, Alaknanda Girls Hostel, Central Workshop, Residential Quarters & G-type houses are not traceable in this office record.

Further, it is also stated that regarding design and life span of these buildings concerned Executive Engineer, Haryana, PWD B&R, Kurukshetra may please be consulted.

It is therefore, requested to submit the design and life span of the above said buildings at the earliest, so that an early action may be taken accordingly.

This may please be treated as most urgent.

16.02.2022
Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Dean (P&D)
3. PS to Registrar for kind information of Registrar
4. AR to Director for kind information of the Hon'ble Director

(52)

ESTATE SECTION
Diary No. 631
Dated... 4/5/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

Office of Superintending Engineer-Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001

एस.सी.ओ.-19-20, सैक्टर-12 (पार्ट-1)

संख्या - (NIT-KKR)/अधी.अभि-करनाल/2022/ 528-36 दिनांक : 28/04/2022

सेवा में,

The Prof I/C (Estate & Construction),
Estate Section, NIT Kurukshetra,
Kurukshetra-136119.

Dean (P&D) 5.5.2022

विषय : Investigation/Inspection of the structures of NIT Kurukshetra for Structur.. Stability, viable solution for strengthening and any other suggestions, which IIT deems fit.

संदर्भ : NIT Kurukshetra, office letter No. /CC/173/932 dated 17.03.2022.

Dear Sir,

Vide above reference, requisition has been received to investigate the structure stability of buildings as mentioned in the letter. Most of the structures were constructed by PWD (Haryana) in 1965-1970 and are of load bearing Type Structure (G+1) storied.

In this regard it is proposed to constitute a committee from your end incorporati members from CBRI Roorkee, CPWD and NIT Kurukshetra for suggesting appropriate actior regarding existing structure with a view to ascertain the structural stability in order to find viat.. solution for strengthening OR any other suggestions whichever may deem fit.

28/04/2022
Superintending Engineer-Karnal
CPWD, Karnal

Copy to:-
1. Executive Engineer-Karnal (Civil), CPWD, Karnal for information please.

Superintending Engineer-Karnal

P II (E&C)

In view of the above, this letter may be forwarded to Hon'ble Director, requesting to constitute a committee pl. 5.05.22

Dean (P&D)

9/5/22

Minutes of the Meeting (MOM)

Subject: Structural Stability of old buildings/structures of NIT Kurukshetra.

An expert committee was constituted vide letter No. Dean(P&D)/2022/620/1059 dated 14.06.2022 for structural stability of old buildings/structures of NIT Kurukshetra. Accordingly, a meeting was called vide letter No. Dean(P&D)/2022/651/3345 dated 17.08.2022 on 22.08.2022 at 11.30 am in the Board Room of Golden Jubilee Administrative Building, NIT, Kurukshetra
The following were present in the meeting.

1.	Sh. C.B. Singh, Superintending Engineer, CPWD, Karnal	Chairman
2.	Prof. S.K. Singh, Sr. Principal Scientist Structural Engg. Division, CSIR-CBRI, Roorkee – 247667	Member
3.	Er. Devendra Singh Executive Engineer (Civil), CPWD, Karnal	Member
4.	Prof. K.K. Singh, Head, Civil Engg. Deptt.	Member- convener
5.	Prof. Brahmjit Singh, Dean(P&D)	Special Invitee
6.	Dr. H.D. Chalak, Faculty I/C (E&C)	Special Invitee
7.	Er. S.N. Kaushik, AE (Civil)	Special Invitee
8.	Er. Suresh Kumar AE(Civil) CPWD	Special Invitee

The Dean (P&D) NIT Kurukshetra welcomed the members of the expert committee and brief about the old buildings/structures of NIT Kurukshetra. After initially briefing a visit was planned by the committee members to the structures/buildings.
A detailed visual inspection was carried out by the committee members during the planned visit to the structures/buildings under consideration. The members observed that the buildings were load-bearing brick masonry building/structures. The buildings/structures were found in severe distressed condition. The majority of buildings/structure were found in dilapidated condition.

10/N

Most of the structure components of the buildings under consideration were reconstructed after its collapse. Differential settlement is also observed in all kind of buildings/structures and in addition the buildings/structures were not planned for earthquake resistance features as per IS 1893:2016. The grade of concrete in the structural members were observed below M15 grade. The corrosion in reinforcing bars was seen almost in all kinds of structural members. The buildings/structures were already completed its life (more than 50 years). The experts also opined that these buildings/structures were beyond repairable. Therefore, committee recommends dismantling of the buildings/structures including all ancillary structures/buildings (Example: Temporary shops near G type etc.) defined in the table below in the phase wise manner. Further the committee recommend that NIT Kurukshetra may take appropriate action as per recommendations.

Phase I (Immediate dismantling)

Sr. No.	Name of Buildings/Structures	Name of Houses/ Structures	Year of Construction	Remarks/ Justifications
1	E-Type Houses (G+1)	24	1971	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	F-Type houses (1-12) (G+1)	12	1971	
3	G-Type Houses (G+1)	92	1971	
4	DA Type Houses (1-9) (G)	9	1975	

Phase II (Dismantling within 2-3 years)

Sr No.	Name of Buildings/Structures	Name of Houses/Structures	Year of Construction	Remarks/ Justifications
1	CA Type Houses (G+1)	13	1973	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	DB Type Houses (1-68) (G+1)	68	1971	
3	Central Workshop Building (G)	1	1968	
4	Old Guest Houses Building (G)	1	1972	
5	Hostel No. 1, 2 & 3 (G+2)	3	1967	
6	CC Type Houses (G+1)	12	1975	
7	Girls Hostel (Alakhananda Bhawan) (G)	1	1971	
8	CB Type Houses (1-5) (G+1)	5	1973	

Phase III (Dismantling within 3-5 years)

Sr. No.	Name of Buildings/Structures	Name of Houses/Structures	Year of Construction	Remarks/ Justifications
1	BB Type Houses (1-8) (G+1)	8	1977	Cracking, deterioration, bulging and spalling, corrosion of reinforcement and other distresses
2	BA Type Houses (G+1)	6	1975	
3	Director's Residence A1 (G+1)	1	1971	
4	BC Type Houses (1-6) (G)	6	1973	

Meeting-ended with a vote of thanks to the Chair. consider in phase I & II.

(Devendra Singh)
Executive Engineer (Civil), CPWD

22/08/2022
(K. K. Singh)
Head of CED & Member Convener

22/08/2022
(S. K. Singh)
Sr. Principal Scientist, CSIR-CBRI

22/08/2022
(C.B. Singh)
Superintending Engineer, CPWD

BT

Subject: Constitution of Committee regarding Structural Stability

1.	Shri C B Singh Superintending Engineer CPWD, Karnal	Chairman
2.	Prof. S K Singh, Sr. Principal Scientist, Structural Engg. Group CSIR - CBRI, Roorkee – 247667	Member
3.	Shri Prashant Agarwal Executive Engineer CPWD, Karnal	Member
4.	Prof. HoD (Civil) Civil Engineering Department NIT Kurukshetra	Member

13/6/22

Director

-89-

D(P&D)/652
Dated: 23.08.2022

Subject: Structural stability of old buildings/structures of NIT Kurukshetra

Please find herewith attached the minutes of the committee designated for the purpose as mentioned under subject line.

Recommendations of the committee as decided in its meeting held on 22.08.2022 are hereby forwarded for your perusal and necessary action please.

Thanking you,

Brahmbut 24/08/2022
Dean (P&D)

Prof. in-Charge, (E&C)

Minutes of the Expert committee placed in the file may please be approved by competant Authority. 24.08.22

Dean (P&D) 24/08/2022

Registrar 24/08/22

Director 01/09/22

REGISTRAR OFFICE
Diary No. 1587
Dt. 24.08.22

12/09/22

Dean (P&D) 12/09/2022

13.09.22

Fac IIC (E&C) 13/09/22

D(P&D)/387
12/9/2022

A.E(E)

The information may be communicated to the committee.

SE(A) 14/9/22

13/9/22

Appendix 29.3 (iv)

Minutes of the Meeting (MOM)

Subject: Structural Stability of old buildings/structures of NIT Kurukshetra.

A committee was duly constituted by the competent authority of the Institute under the Chairmanship of Sh. A.K. Singhal, Director General (Retd.), CPWD on 05.08.2019 to inspect the buildings which are to be dismantled i.e. Hostel Buildings & Residential Buildings constructed 40-50 years back of NIT Kurukshetra. Accordingly, meetings were held on 30.08.2019 & 30.11.2021 and a meeting was also held on 03.02.2023 at 11:00 AM in the Board Room of Golden Jubilee Administrative Building, NIT, Kurukshetra vide letter No. CC/3581/2023/76/374 dated 27.01.2023 to discuss the following issues:

a) Structural integrity of old buildings & their life assessment.
b) "Demolition Plan of old Hostels and Residential Buildings.
c) Preparation of documents for the above.

The following were present in the meeting and Sh. C.B. Singh Superintending Engineer (Civil), CPWD could not attend the meeting due to some unavoidable circumstances and Er. Devendra Singh, Executive Engineer (Civil), CPWD attended the meeting as representative on behalf of the Superintending Engineer, CPWD, Kamal. Chief Architect, CPWD also could not attend the meeting.

1.	Sh. A.K. Singhal Director General (Retd.), CPWD Member of B&WC of the Institute	Chairman
2.	Er. Sita Ram Aggarwal Chief Engineer (Retd.), PWD (B&R)	Member
3.	Er. Devendra Singh Executive Engineer (Civil), CPWD, Kamal	Member
4.	Prof. Brahmjit Singh Dean(P&D)	Member
5.	Prof. Praveen Aggarwal Associate Dean P&D for (E&C)	Member
6.	Dr. H.D. Chalak Faculty I/C (E&C)	Special Invitee
7.	Dr. Kiran Kumar Jaladi Faculty I/C (EM&T)	Special Invitee
8.	Er. S.N. Kaushik, Assistant Engineer (Civil) SG-I	Special Invitee
9.	Er. Suresh Kumar Assistant Engineer (Civil) CPWD	Special Invitee

The Chairman of the committee welcomed all the committee members and Associate Dean P&D for (E&C) apprised the committee to brief about the minutes of Expert Committee dated 22.08.2022 constituted to find out the Structural Stability of old buildings/structures of NIT Kurukshetra. The Committee members had already inspected these buildings earlier on two occasions.

03-02-2023

3/2/2023

1. The minutes of meeting of the committee held on 22.08.2022 under the chairmanship of Sh. C.B. Singh, Superintending Engineer, CPWD Kamal has been placed before the committee. The committee deliberated on the finding of the committee regarding structural stability report. After due deliberations the committee accepted the report of the expert committee (a copy of the report placed in the file).

2. The committee was apprised by Dean (P&D) regarding the present status of the campus based on the communication received from Chief Architect, CPWD. As per the information received from Chief Architect CPWD :

   I) Maximum permissible ground coverage for construction of buildings/structures is 25% of plot area.
   II) The existing Academic ground coverege area is 13.357% as against permissible coverage of 25%
   III) The existing Hostel ground coverage area is 28.765% as against permissible coverage of 25%
   IV) The existing Residential ground coverage area is 27.749% as against permissible coverage of 25%

   The committee deliberated on the above matter and concluded that the ground coverage area for construction of buildings/structures in Hostel area & Residential area has already been exhausted for future construction of buildings/structures and limited scope of construction of buildings/structures is available in the Academic area.

3. The committee was also appraised by Dean (P&D) regarding the present and future requirement of the institute in the Academic, Residential & Hostel area.
   NIT Kurukshetra is facing shortage of space to meet its increasing requirements of space both for its academic, hostel, residential and general needs. Besides spaces are also required to meet its future expansion of academic activities/ programs.

   It will not out of context to place on record that not much have been done to meet the infrastructure requirements after 2010. No new civil infrastructures have been thought, may be due to certain difficulties/constrains and circumstances. Over and above the admissions intake in the Graduate Programs of the institute have increased in two folds, in comparison to the admissions intake in year 2010-2011. Similarly increase in admissions/intake of Post Graduate Programs and Doctorate/Ph.D programs and also other academic/research activities is also there.

   Initial assessment after the detailed discussions with the different stakeholder of the institution reveals that the institute needs the following building infrastructures urgently as well as in a period of next 2 to 5 years to cater the new requirement:

   i) Academic Block: comprising of about 30 Lecture Rooms & 25 Labs.
   ii) Hostel Block: Two Boys Hostel for 1500 capacity, Girls Hostel for 500 capacity, International Student Hostel for 200 capacity, Married Hostel for 200 capacity.
   iii) Residential Block: Teaching Quarters 300 nos. and Non-Teaching Staff Quarters 150 nos.

3/2/23

Further, it was observed that as the ground coverage in respect of Hostels, Residential area is already done than permissible coverage, therefore it may not be possible to take up the new construction without dismantling the related structures which are in dilapidated condition and needs demolition. The committee to provide report on structural stability of the old buildings has already given its report where it has been recommended that the buildings are not fit for use and need immediate dismantling.

4. The committee deliberated on the conditions of the existing buildings/structures in view of the report of the expert committee as well as the present requirement of the institute and concluded that the buildings/structures listed below should be demolished. Based on the report submitted by the committee constituted for structural stability after detailed visual inspection of the buildings/structures under consideration, the committee recommends for dismantling of the buildings/structures including all ancillary buildings/structures (Example: Temporary shops near G type etc.) defined in the table below in the phased manner. Further, the committee recommends that NIT Kurukshetra may take appropriate action as per recommendations of the committee.

Phase I (Immediate dismantling)

Sr. No.	Name of Buildings/Structures	Name of Houses/ Structures	Year of Construction	Remarks/ Justifications
1	E-Type Houses (G+1)	24	1971	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	F-Type houses (1-12) (G+1)	12	1971	
3	G-Type Houses (G+1)	92	1971	
4	DA Type Houses (1-9) (G)	9	1975	

Phase II (Dismantling within 2-3 years)

Sr. No.	Name of Buildings/Structures	Name of Houses/Structures	Year of Construction	Remarks/ Justifications
1	CA Type Houses (G+1)	13	1973	Cracking, Differential settlement, bulging and spalling, corrosion of reinforcement
2	DB Type Houses (1-68) (G+1)	68	1971	
3	Central Workshop Building (G)	1	1968	
4	Old Guest Houses Building (G)	1	1972	
5	Hostel No. 1, 2 & 3 (G+2)	3	1967	
6	CC Type Houses (G+1)	12	1975	
7	Girls Hostel (Alakhananda Bhawan) (G)	1	1971	
8	CB Type Houses (1-5) (G+1)	5	1973	

3/2/13

Phase III (Dismantling within 3-5 years)

Sr. No.	Name of Buildings/Structures	Name of Houses/Structures	Year of Construction	Remarks/ Justifications
1	BB Type Houses (1-8) (G+1)	8	1977	Cracking, deterioration, bulging and spalling, corrosion of reinforcement and other distresses
2	BA Type Houses (G+1)	6	1975	
3	Director's Residence A1 (G+1)	1	1971	
4	BC Type Houses (1-6) (G)	6	1973	

Meeting ended with a vote of thanks to the Chair.

(Brahmjit Singh)
Dean (Planning & Development)

3/2/2023
(Praveen Aggarwal)
Associate Dean P&D for (E&C)

(Devender Singh)
Executive Engineer (Civil), CPWD

03-02-2023
(Sita Ram Aggarwal)
Chief Engineer (Retd.), PWD (B&R)

(A.K. Singhal) 3/2/2023
Director General (Retd.) CPWD

D(P&D)/85
6/2/2023

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. CC/3581/2023/ 76 /374 Dated: 27.01.2023

Subject: Structural Stability of old buildings/structures of NIT Kurukshetra - Regarding.

A meeting of the committee will be held on 03.02.2023 (Friday) at 11:00 AM in the Board Room of Golden Jubilee Administrative Building at NIT Kurukshetra on the following issues:

a) Structural integrity of old buildings & their life assessment.
b) Demolition Plan of old Hostels and Residential Buildings.
c) Preparation of documents for the above.

All the members of the committee are requested to make it convenient to attend the meeting as per above scheduled date and time.

27/1/2023
Associate Dean P&D for (E&C)
27/01/23
27/01/23

All Concerned

Copy to:-

1. AR to Director for kind information of the Hon'ble Director please
2. SS to Registrar for information
3. Dean (Planning & Development)

BWC 29.4 **To consider and approve the preliminary cost estimate for the construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) Electrical Sub Station at NIT Kurukshetra, Haryana.**

The requisition was received from Chief Warden (Boys Hostels) vide letter No. CW/VK/2022/165 dated 13.08.2022. The request was put up before the Estate Affairs Committee Meeting held on 12.09.2022 vide item no.-7. The EAC deliberated on the matter and resolved that a multi-storey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No. 11 measuring of approx. size (175 mtr. X 102mtr.). The common amenities like mess, dining hall & common room etc. will be provided in a new multi-storey building for the above said proposed hostel as well as the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the preliminary cost estimate on plinth area basis will be put in the next meeting. After approval of the competent authority of the Institute, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide No. CC/3506/628/4781 dated 14.10.2022 for submission of preliminary cost estimate. Copies enclosed as **Appendix 29.4 (i) from pages 67 to 71.**

In response to the above a letter was received from Assistant Engineer(Civil), CPWD vide 24(NIT)/AE/KSD/2022/232 dated 19.10.2022 in which it is requested to provide the location plan, number of storeys and details of amenities i.e. Dining Room, Common Room, Sports Room or other special requirements. The matter was discussed in the EAC meeting held on 06.12.2022 vide item No. 05. The EAC discussed and resolved that instead of two seater, single seater rooms may be taken up in new multi-storeyed Boys Hostel.

A request letter was also sent to Special Director General, CPWD, Chandigarh vide No. CC/3506/01/02 dated 02.01.2023 alongwith a copy of as built sketch of vacant area lying behind Hostel No.-11 regarding for the preliminary cost estimate along with conceptual drawing. Accordingly, a letter was received from the Sr. Architect, CPWD, Chandigarh vide No. CA(SDGCH)/501/2023/ 14-H dated 20.01.2023 in which it is requested to forward the information/documents i.e. (i) approved layout plan of campus (ii) EIA status of the project (iii) Land ownership documents (iv) Fire approval of the campus/ existing buildings and (v) any other site relevant information which can affect the design. The required information/documents

was sent to Senior Architect, CPWD, Chandigarh vide No. CC/3613/104/537 dated 09.02.2023. Copies enclosed as **Appendix 29.4 (ii) from pages 72 to 78**.

Accordingly, the Preliminary Drawings and 3D view of the proposed Multi-storey Boys Hostel was received from the Senior Architect, CPWD, Chandigarh vide No. CA(SDGCH)/501/2023/42-H dated 24.02.2023. Also the preliminary cost estimate of Rs. 160,00,69,700/- was received from SE (Civil), CPWD vide letter No. 23(NIT-KKR)/SE-Karnal/2023/205 dated 02.03.2023.

The drawings and estimate were discussed in the meeting held on 11.04.2023 with CPWD officials under the chairmanship of Director. After detailed discussion, it was resolved that the building should be constructed for G+10 instead of G+9 and considering other minor observations such as width of corridors, No. of lifts etc. The observations have been conveyed to CPWD vide letter No. CC/3613/3771/1954 dated 04.05.2023 for further revision of building drawings and cost estimate.

The EAC discuss the matter and resolved & recommended that a reminder may be sent to CPWD for submission of revised cost estimate for construction of multi-storey Boys Hostel (G+10). As and when the cost estimate received from the CPWD and the same may be put up in the next B&WC after getting approval from the competent authority of the Institute. The preliminary cost estimate amounting to Rs. 224,73,45,000/- for an approximate plinth area of Hostel is 48589.54 sqm. has been received from Superintending Engineer, CPWD, Karnal vide No.23(NIT-KKR)/SE-Karnal/2023/912-H dated 14.09.2023 for the construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) and Electrical Sub Station at NIT Kurukshetra, Haryana. Accordingly, the preliminary cost estimate for an amount of Rs. 224,73,45,000/- for the above said work, was put up before the competent authority of the Institute for its approval. The same was approved on 06.10.2023 by the competent authority of the Institute and is placed before the Building & Works Committee for approval. Copies enclosed as **Appendix 29.4 (iii) from pages 79 to 117**.

The Building & Works Committee may *consider and approve the Preliminary Cost Estimate for an amount of Rs. 224,73,45,000/- for the work of construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) and Electrical Sub Station at NIT Kurukshetra, Haryana.*

Appendix 29.4 (i)

OFFICE OF THE CHIEF WARDEN
NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. CW/VK/2022/165 Dated: 13.08.2022

Subject: Requirement of additional Hostels and guest room facility for students and guests.

A meeting of Chief Warden (Hostels), DCWs and all the Wardens of Hostels was held in Conference room of School of Renewable Energy and Efficiency (SREE) of the Institute on 19.07.2022 at 3.30 P.M.

The decision no. 4 is reproduced below:-

"Considering increasing number of students due to EWS quota/Women Quota etc.

The proposal for new hostels was discussed and it was decided to send the proposal to the Director for new hostels as below:-

(a) The possibility of constructing additional residential blocks in Hostel Nos. 7, 8 and 9 be explored.

(b) A 1600 capacity multistory boys hostel with 800 rooms (double occupancy) is proposed for 1st year students. The hostel should be fully furnished and should be in "ready to move" condition.

(c) 600 capacity multistory girls hostel with 300 rooms (double occupancy) is proposed. The hostel should be fully furnished and should be in "ready to move" condition.

All equipments including automated mess should be there.

(d) One International hostel of 1000 capacity is proposed with international level facility. Three wings (towers/floors) are proposed for male, female and family with suitable partitions. The hostel should be full furnish and in "ready to move" condition. All equipments including automated mess should be there."

Further, the above decision was re-examined in the meeting of DCWs with Chief Warden, by taking in to account the data available from Academic Section and Hostels.
The revised observations and proposal are given below:-

The current capacity of Hostel are 4804 (Boys= 3739 and Girls =1065).

As per the data received from the academic section, the current strength of the students is more than 6600. (The no. of existing students in UG II, III & IV year is 3263, PG II year is 527 and around 220 is under PhD program. The expected first years in UG and PG are around 1650 students. The existing hostel facilities are not sufficient to provide the accommodation to all the students.

P.T.O.

By considering the above matter, in the meeting it is proposed to create new hostel facilities as under:-

(a) *The possibility of constructing additional residential block in Hostel Nos. 7, 8 and 9.*

(b) *A 1600 capacity multistory boys hostel with 800 rooms (double occupancy) is proposed for 1st year students. The hostel should be with all the necessary amenities including mess provision.*

(c) *400 capacity multistory girls hostel with 200 rooms (double occupancy) is proposed. The hostel should be with all the necessary amenities including automated mess facility.*

(d) *As per the academic data, the UG intake is about 1154 plus 10% of the supernumerary seats for DASA, MEA, ICSR and study in India quota (115/year). One International hostel of 600 capacity is proposed with international level facilities. Three wings (towers/floors) are proposed for male, female and family with suitable partitions. The hostel should be fully furnished and all equipments including automated mess facility with all the necessary amenities.*

The proposal as above may be considered for further necessary action, please.

13.8.22
DCW (GH)
(Dr. Sarika Jain)

13/08/22
DCW-2
(Dr. Y.Dwivedi)

13/8/22
DCW-1
(Dr. Chetti Prabhakar)

13.8.22
CW (Hostels)
(Prof. V.K.Bajpai)

Director

18/8/22

Dean P/A D

18/08/2022

P/I (E&C)

18.08.2022

For Dr (E&C)

For Dr (EM&T)

A.E (E)

23/8/22

May be put in BAC.

Rakesh
22/8/2022

SS(1)

23/8/22

23/8/22

ESTATE SECTION
Diary No. 457
Dated 05/04/22

N.I.T. KURUKSHETRA
Diary No. 1836
Dated 30/03/2022

OFFICE OF THE CHIEF WARDEN
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Ph: 01744-233249

CW/DG/2022/52

Dated: 14.03.2022

In view of the requirements of more rooms/seats in the Boys Hostels in the coming time, it is suggested that two more floors may be built up in the Hostels No. 7, 8 and 9. We will be able to accommodate around 500 more students in this way. Feasibility of this may please be explored.

14.3.22

Chief Warden (Boys Hostels)

Dean (P & D)

(0/3/2022

Work should start ASAP.

30/3/22

Copy to:

Dean (P&D)

Assistant Registrar to Director for kind information of Director — 15/03/2022

PI (E&C)

06.04.2022

for D/(E&C), for Dr (E&T)

A.E/(W)

07/04/22

AE(E)

7/4/22

07.04.22

The above matter needs to be discussed in the E&C meeting

08/04/22

for D/(E&C)

EAC Meeting minutes, meeting held on 12.09.2022

5. **To discuss the preliminary cum detailed cost estimate of Rs. 34,52,000/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1740 dated 20.07.2022 regarding Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra (received on 22.07.2022).**

The preliminary cost estimate of Rs. 34,52,000/- for Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval. Further, regarding the request received from Prof. I/C (Student Club) for the installation of 8 nos. ACs in the SAC, the EAC resolved that the installation of ACs in the SAC building may be taken up after completion of the above said renovation works.

6. **To discuss the preliminary cum detailed cost estimate of Rs. 78,03,300/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1741 dated 20.07.2022 regarding finishing work in the all Academic buildings at NIT Kurukshetra (SH: finishing walls with exterior paints & misc. repair).**

The preliminary cum detailed cost estimate of Rs. 78,03,300/- for finishing work in the all Academic buildings (SH: finishing walls with exterior paints & misc. repair) received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval.

7. **To discuss the request received from Chief Warden (Hostels) vide no. CW/VK/2022/165 dated 13.08.2022 regarding requirement of additional hostels and guest room facilities for students and guests.**

The request received from the Chief Warden (Hostels) was put up before the Estate Affairs Committee. The Estate Affairs Committee deliberated on the matter and resolved that a multistorey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No.-11 measuring of approx. size (175 mtr. x 102 mtr.). Further, it was resolved that a requisition may be sent to CPWD to submit the preliminary cost estimate on plinth area basis for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts etc. The common amenities like mess, dinning hall & common room etc. will be provided in a new multistorey building for the above said proposed hostel and the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the trees/plants of different species are standing in the pocket is to be removed/replanted by H&L Section for the construction of the above said work. The preliminary cost estimate on plinth area basis will be put in the next EAC meeting.

8. **To discuss the detailed cum preliminary cost estimate of Rs. 14,09,500/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1933 dated 20.08.2022 regarding water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra.**

The detailed cum preliminary cost estimate of Rs. 14,09,500/- for water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the cost estimate may be put before the ensuing B&WC meeting for approval.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA 136119

No: CC/3506/628/4781

Dated 14.10.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: To submit the preliminary cost estimate for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts.

The necessary approval has been accorded by the competent authority of the Institute regarding submission of preliminary cost estimate on plinth area basis for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts etc. (reference EAC meeting dated 12.09.2022 vide item No.-7). Further, it is intimated that this hostel may be planned on the vacant space lying behind Hostel No.-11 measuring a plot of approx. size (175 mtr. x 102 mtr.).

In this regard, it is therefore requested to submit the preliminary cost estimate for the above said work so that an early action may be taken accordingly.

This is for your kind information and further necessary action please.

14.10.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Executive Engineer (Elect.), CPWD, 208-D, HSIIDC, Sector-3, Karnal – 132001
6. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office Kurukshetra
7. Assistant Engineer (Elect.), CPWD Sub-Division, NIT Camp Office Kurukshetra

भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कुरुक्षेत्र उप–मण्डल, कुरुक्षेत्र

संख्या:– 24(NIT)/स.इ./कु.उ.म./2022/232 दिनांक 19/10/22

ESTATE SECTION
Diary No. 1625
Dated. 20/10/22

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

विषय: **To submit the preliminary cost estimate for the construction of multi-storey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts.**

संदर्भ:– Dean Estate office letter no. CC/3506/628/4781 dated 14.10.2022.

R/sir,

Please refer your above cited letter, the requisition for preparing preliminary estimate for the "Construction of multi-storey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts" have been received. The location of hostel is mentioned in the available plot size approximate (175 mtr X 102 Mtr) behind Hostel No. 11. In this regard following information is required to prepare conceptual drawings/plans so that preliminary estimate can be prepared.

1. Location plan.
2. No. of Storeys.
3. Details of amenities – Dining Room, Common Room, Sports Room or other special requirements.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपी:–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल with a request to write a letter to the Chief Architect CPWD for necessary action please.

सहायक अभियन्ता

24(NIT)

20/10/2022

CPWD (CMII)

EAC Minutes of Meeting held on 06.12.2022

Further, the design may be submitted to Expert from Civil Engineering Department /CED NIT Kurukshetra for structural stability.
Architectural drawings of the lift block may be put up in the next EAC after getting it from CPWD. CPWD may be intimated to carry out the work of lift block only after getting the necessary approval from the authority.

5. **To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/232 dated 19.10.2022 regarding construction of multi-storey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts.**
A letter received from the Assistant Engineer (Civil), CPWD was put up before the Estate Affairs Committee. The EAC deliberated on the matter and recommends that as per the UGC guidelines two seater room may be avoided and single seater room may be taken in the proposal of new multi-storey (G+10) boys hostel in vacant area lying on East Side of Hostel No.-11. EAC also recommends that the proposal of multi-storey single seater (G+10) boys hostel may be processed along with the provision of lifts & toiles, recreation rooms etc. and other amenities like mess, dinning hall & development area etc. in the adjacent block across the road towards Hostel No.1. Accordingly, a fresh requisition after approval of the competent authority of the Institute be conveyed to CPWD to submit the cost estimate alongwith conceptual drawings (copy of as built sketch of area). The process of required statutory permissions for (G+10) storey structure from aviation department may also be initiated. Further, it is also resolved that before finalizing the proposed Boys Hostel behind Hostel No.-11, a team comprising of Chief Warden (Hostels), Associate Dean P&D for (E&C), Faculty I/C (E&C), A.E. (Civil) and A.E (E) may plan to visit the multi-storey Hostel (under construction) at NIT Jalandhar.

6. **To discuss the letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/233 dated 19.10.2022 regarding construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities.**
A letter received from the Assistant Engineer (Civil), CPWD was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the typical floor plan (oval shape) be submitted to CPWD incorporating requirements of Computer Engineering & IT Department for the New Computer Engineering Block (G+5) including provision of lifts and other amenities.

7. **To discuss a request received from HoD (MED) vide no. MED/2022/4097 dated 01.11.2022 regarding modification of partition in the CFD Lab.**
A request received from HoD (MED), was discussed in the Estate Affairs Committee. The EAC resolved that the request may be filed as per the input received from HoD Mechanical regarding reworking on the request. Further EAC recommended that a common policy may be framed for the whole Institute regarding modification in existing building structure.

8. **To discuss a request received from the Chief Warden vide no. KCH/2022 dated 01.11.2022 regarding supply of fresh water in the Kalpana Chawla Hostel at NIT Kurukshetra.**
A request received from the Chief Warden was discussed in the Estate Affairs Committee. The EAC resolved that in multistoried structure fresh water supply will not be provided at all the floors.

9. **To discuss the work of providing furniture for two nos. works: (Under EWS).**
   i) **Additional floor over the existing building of MBA/MCA.**
   ii) **Pre-feb construction of 2nd floor over the Old MBA Block.**
The matter regarding providing furniture for two nos. works was discussed in the Estate Affairs Committee. The EAC was apprised that the tenders have been invited by CPWD and likely to be awarded soon.

10. **To discuss the work of provision of installation of lifts along with toilet facilities for physically challenged students in various buildings (Civil + Electrical Works) (Under EWS).**
The matter regarding provision of installation of lifts along with toilet facilities for physically challenged students in various buildings was discussed in the Estate Affairs Committee. During discussion several issues were raised by CPWD officials regarding the work. The EAC resolved and recommended that reassessment of the locations of lifts, their capacities and the number may be carried out by the team comprising the officials from CPWD and Estate section.

Contd.....P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/01/02 Dated .12.2022
02/01/2023

To

The Special Director General, CPWD
Kendriya Sadan, Sector 9 A,
Chandigarh-160009

Subject: To submit the preliminary cost estimate for the proposed multi-storey boys hostel (G+10) at NIT Kurukshetra.

The approval of Competent Authority of the Institute is hereby conveyed to submit the preliminary cost estimate for proposed multi storey boys Hostel (G+10) comprising of single seater room alongwith provision of lifts & toilets, recreation room and other amenities like mess, dinning hall & development area etc. in the adjacent block across the road towards Hostel No.1.

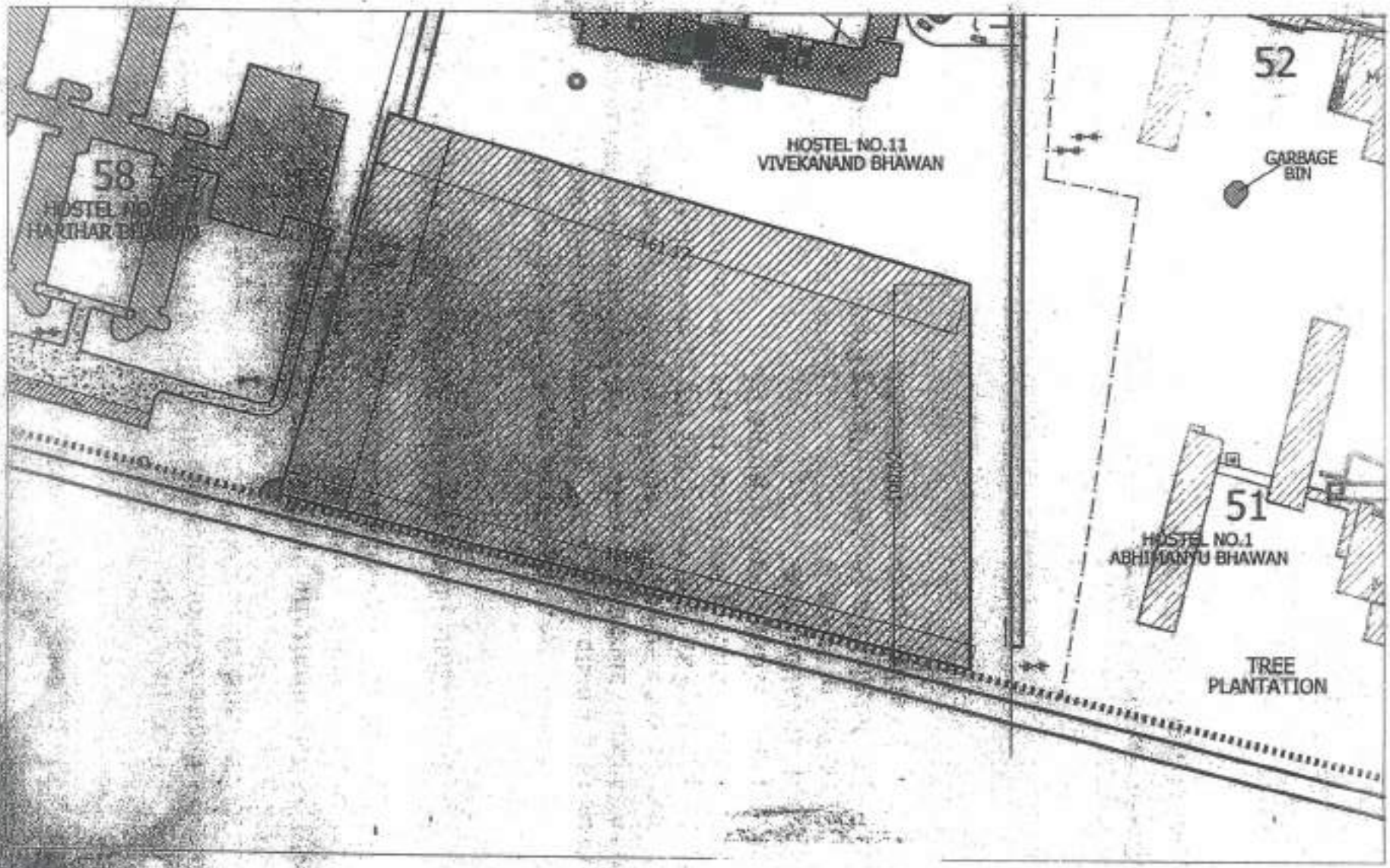
It is therefore requested to submit the preliminary cost estimate alongwith conceptual drawings, copy of as built sketch of vacant area lying behind Hostel No.-11 is attached.

An early action in this regard shall be highly appreciated.

Brahmdeep 02.01.2023
Dean (Planning & Development)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Associate Dean P&D for (E&C)
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. Executive Engineer (Civil), CPWD, NDRI Campus, Near State Bank of India, Karnal-132001
7. Executive Engineer (Elect.), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001


58
HOSTEL NO.
HARTHAR BHAWAN
HOSTEL NO.11
VIVEKANAND BHAWAN
52
GARBAGE
BIN
51
HOSTEL NO.1
ABHIMANYU BHAWAN
TREE
PLANTATION

NIT KURUKSHETRA
523
Dated 20/01/2023

- 76 -
105
Dt.

registrar . <registrar@nitkkr.ac.in>

To submit the preliminary cost estimate for the proposed multi-storey boys hostel (G+10) at NIT Kurukshetra.

1 message

Sreedhar Kokkula <saprch.cpwd@gmail.com> Fri, Jan 20, 2023 at 6:03 PM
To: "deanpnd@nitkkr.ac.in" <deanpnd@nitkkr.ac.in>
Cc: sdg-chnd@cpwd.gov.in, registrar@nitkkr.ac.in, Chief Architect Cpwd <ajayria@yahoo.co.in>, Superintending Engineer Karnal <secpwdkarnal@gmail.com>, Executive Engineer Civil <cpwdnewkarnal@gmail.com>, eekced.knl.cpwd@nic.in

ESTATE SECTION
Diary No. 204
Dated 23.01.23

Sir,
Please find attached the covering letter pertaining to the above project.

Regards

Senior Architect
CPWD Chandigarh

Dean.pdf
825K

20/01/23

1 of 23/1/2023

Asso. Dean (P&D)
for E&C

F/E (E&C)
23/01/23

A.E/(C)
24/01/23

भारत सरकार
केन्द्रीय लोक निर्माण विभाग

कार्यालय मुख्य वास्तुक
के० लो० नि० वि०, केन्द्रीय सदन
सैक्टर 9–ए,चण्डीगढ़–160009
दूरभाष सं० 0172–2743565
फैक्स सं० 0172–2742712

Office of the Chief Architect
C. P. W. D., KendriyaSadan
Sector 9-A, Chandigarh-160009
Phone No. 0172-2743565
Fax No. 0172-2742712
e-mail ID: saprch.cpwd@gmail.com

संख्या : CA(SDGCH)/501/2023/14-हि0 दिनांक: 20 / 01 / 2023

सेवा में,

डीन (योजना और विकास)
राष्ट्रीय प्रोद्योगिकी संस्थान
कुरुक्षेत्र (हरियाणा)–136119

विषयः– **To submit the preliminary cost estimate for the proposed multi-storey boys hostel (G+10) at NIT Kurukshetra.**

संदर्भः– 1. Your office letter No. CC/3506/01/02 dated 02.01.2023 addressed to SDG Chandigarh and received in this office from SDG office on dated 12.01.2023.

In response to your office letter referred at sl no.1 above, the undersigned along with officers of CPWD visited the proposed site on 17.01.2023 and had meeting with Associate Dean P&D & other officers of client department. Accordingly as discussed, it is requested to forward the following information / documents at the earliest to this office.

1. Approved layout plan of campus.
2. EIA status of the project.
3. Land ownership documents.
4. Fire approval of the campus / existing buildings.
5. Any other site relevant information which can affect the design.

20/1/23
(कोक्कुला श्रीधर)
वरिष्ठ वास्तुक

Copy to:-

1. SDG Chandigarh, CPWD, Chandigarh for kind information.
2. Registrar, NIT Kurukshetra for kind information.
3. CA O/o SDG Chandigarh, CPWD, Chandigarh for kind information.
4. SE (C) Karnal, CPWD, Hafed Office Building, 2nd floor, SCO 19-20, Sector-12 (Part-I), Karnal-132001 for kind information.
5. EE (C), CPWD, NDRI Campus, Near SBI, Karnal-132001 With a request to provide the digital site survey plan of the campus showing the existing structures, trees, drainage line, electrical line, other relevant features etc.
6. EE (E), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001 for information.
7. Guard File.

वरिष्ठ वास्तुक

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136118

No./CC/3613/104/537 Dated 09.02.2023

To

The Senior Architect
CPWD, Kendriya Sadan
Sector 9-A, Chandigarh-160009

Subject: To submit the preliminary cost estimate for the proposed multi-storey boys hostel (G+10) at NIT Kurukshetra.

Reference: Vide no. CA(SDGCH)/501/2023/14-H dated 20.01.2023 received from Senior Architect CPWD, Chandigarh.

In continuation to letter under reference, it is intimated that the required information regarding the proposed multi-storey boys hostel (G+10) is as under:

1.	Approved layout Plan of Campus	Preparation of Institute Master Layout Plan is in progress with CPWD
2.	EIA status of the Project	Not required for the Educational Institute as per the Notification of Ministry of Environment, Forest and Climate Change Impact Assessment Division vide F. No. 19-131/2019-IA-III[128798] dated 19 May, 2022 (copy attached)
3.	Land Ownership documents	Attached
4.	Fire approval of the campus/ existing buildings	Necessary provision may be taken care of in the upcoming structures
5.	Any other site relevant information which can affect the design.	---

This is for information and further, necessary action please.

9/2/2023
Associate Dean P&D for (E&C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (EM&T)
5. A.E. (Civil), NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001
8. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
9. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
10. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

Appendix 29.4 (iii)
ESTATE SECTION
Diary No. 519
Dated. 20.03.23

भारत सरकार
केन्द्रीय लोक निर्माण विभाग

कार्यालय मुख्य वास्तुकार
के० लो० नि० वि०, केन्द्रीय सदन
सैक्टर 9–ए, चण्डीगढ़–160009
दूरभाष सं० 0172–2743565
फैक्स सं० 0172–2742712

Office of the Chief Architect
C. P. W. D., KendriyaSadan
Sector 9-A, Chandigarh-160009
Phone No. 0172-2743565
Fax No. 0172-2742712
e-mail ID: saprch.cpwd@gmail.com

संख्या : CA(SDGCH)/501/2023/42 -हि० दिनांक: 24/02/2023

Associate Dean (P&D) f E&C. 28/03/2023

सेवा में,

Dean (Planing & Development)
राष्ट्रीय प्रोद्योगिकी संस्थान
कुरूक्षेत्र (हरियाणा)–136119

HI(E&C)/F&E(ENGT) Kindly give ya

विषय:– **C/o Multi-Storied Boys Hostel (G+9) For NIT Kurukshetra (Haryana).**

संदर्भ :– 1. Letter No. CC/3613/104/537 dated 09.02.2023 from Associate Dean P&D for (E&C), NIT. Kurukshetra.
2. E-mail from O/o EE (C), CPWD, Karnal on dated 04.02.2023.
3. Your Letter No. CC/3506/01/02 dated 02.01.2023 addressed to O/o SDG CPWD Chandigarh.

With reference to above subject, please find enclosed herewith the following the Preliminary Drawings and **3D Views** of the above project.

Sl. No.	Name	Drawings Nos.
1.	Part Lay Out Plan	CA(SDGCH)/622/4046/PD/01
2.	Ground Floor Plan	CA(SDGCH)/622/4047/PD/02
3.	First Floor Plan	CA(SDGCH)/622/4048/PD/03
4.	Second Floor Plan	CA(SDGCH)/622/4049/PD/04
5.	Typical Floor Plan (Third to Ninth)	CA(SDGCH)/622/4050/PD/05
6.	Section –XX	CA(SDGCH)/622/4051/PD/06
7.	Typical Room Detail	CA(SDGCH)/622/4052/PD/07
8.	Dinning Hall (Ground Floor Plan)	CA(SDGCH)/622/4053/PD/08
9.	View - 01	FRONT VIEW
10.	View - 02	REAR VIEW
11.	View - 03	LEFT CORNER OF FRONT VIEW
12.	View - 04	LEFT CORNER OF REAR VIEW
13.	View - 05	SIDE VIEW

A.E/(W)

SS/(A)/JE(C) 21/03/23

21/03/23

The above drawings and views are prepared based on the requisition letters referred above an also as per site survey plan received from O/o EE (C), CPWD, Karnal on dated 04.02.23. It is requested to go through the drawings, views and forward one set of the same duly stamped and signed by the competent authority as a token of approval to the drawings and views to this offic for record and for further necessary action.

This is issued with the approval of Chief Architect o/o SDGCH.

Encl. As above.

24/2/23

(कोक्कुला श्रीधर)
वरिष्ठ वास्तुक

Copy to:-

1. SDG Chandigarh, CPWD, Chandigarh for kind information.
2. Associate Dean P&D for (E&C), NIT, Kurukshetra-136119 for kind information.
3. CA O/o SDG Chandigarh, CPWD, Chandigarh for kind information.
4. Superintending Engineer (Civil), Karnal CPWD, Hafed Office Building, 2nd Floor, SCO 19-20, Sector-12, (Part-I), Karnal-132001. for information and necessary action.
5. EE (C), CPWD, Karnal NDRI Campus, Near State Bank of India, karnal-132001.For feasibility check at Site and also from **Local Body Approval** point of view and report.
6. EE (E), CPWD, Karnal NDRI Campus, Near State Bank of India, karnal-132001. For Electrical inputs and also from **Fire Approval** from Haryana state Fire Department and report.
7. Guard File.

वरिष्ठ वास्तुक

F. No. 19-131/2019-IA-III [128798]
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division
***

Indira Paryavaran Bhawan
3rd Floor, Vayu Wing, JorBagh Road
Ali Ganj, New Delhi-3

19th May, 2022

OFFICE MEMORANDUM

Subject: Clarification on the applicability of EIA Notification 2006 for Educational Institutions – regarding.

Ministry of Environment, Forest and Climate Change vide Notification No. S.O. 3252 (E) dated 22.12.2014, amended the schedule 8 of EIA Notification 2006 to state that Industrial shed, school, college, hostel for educational institution shall be exempted from requirement of Environmental Clearance (EC) but shall ensure sustainable environmental management etc.

2. Further, Ministry has issued an OM dated 9th June 2015 clarifying that Notification dated 22.12.2014 provides exemption to buildings of educational institutions including universities from obtaining prior EC under the provisions of EIA Notification 2006 subject to sustainable environmental management and provided a set of guidelines to be followed for building projects to ensure sustainable environment management.

3. In this regard, the Ministry is in receipt of request for clarification on the definition of 'educational institution' for which the above mentioned exemption is applicable. The matter was referred to the sectoral Expert Appraisal Committee (EAC) of the Ministry and based on their recommendation the matter was further referred to the Ministry of Education for seeking clarification regarding the definition of Educational Institution.

4. In this regard, Department of Higher Education, Ministry of Education has informed that different types of education institutions in terms of school, college, university, technical institutions, etc., have been defined in various statutes for the purpose of recognition, affiliation, accreditation etc. However, there is no specific definition of the term 'educational institutions'. Further, Department of Higher Education informed that as per Noise Pollution (Regulation and Control) Rules, 2000 under the Environment Protection Act, 1986, the term 'educational institutions' has been defined, as:

"educational institution" means a school, seminary, college, university, professional academies, training institutes or other educational establishment, not necessarily a chartered institution and includes not only buildings, but also all grounds necessary for the accomplishment of the full scope of educational instruction, including those things essential to mental, moral and physical development."

5. The matter has been examined in the Ministry and it has been decided that the exemption provided for educational institutions vide Ministry's Notification No. S.O. 3252 (E) dated 22.12.2014 shall be applicable to all educational institutions covered under the definition of educational institution as mentioned in Noise Pollution (Regulation and Control) Rules, 2000. However, these educational institutions shall strictly implement the guidelines issued vide OM dated 9th June 2015 to ensure sustainable environment management.

6. This is issued with the approval of the competent authority.

19/5/

(Sundar Ramanathan)
Scientist F

To

1. The Chairman, CPCB, New Delhi.
2. The Chairperson/Member Secretaries of all the SEIAAs/SEACs.
3. The Chairman of all the Expert Appraisal Committees
4. The Chairpersons/Member Secretaries of all SPCBs/UTPCCs.
5. All the officers of IA Division

Copy for information to:

1. PS to Hon'ble MEF&CC
2. PS to Hon'ble MoS, EF&CC
3. PPS to Secretary, EF&CC
4. PPS to AS (TK)/ JS(SKB)
5. Website, MoEF&CC /Guard file

ESTATE SECTION
Diary No. 430
Dated 03/03/23

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता- करनाल
हैफेड ऑफिस बिल्डिंग, द्वितीय तल,
एस.सी.ओ.-19-20, सैक्टर-12 (पार्ट-1)
करनाल-132001

Office of Superintending Engineer - Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001
E-Mail : knl-sekcd@cpwd.gov.in

संख्या - 23(NIT-KKR)/अधी-अभि-करनाल/2023/205 दिनांक 02.03.2023

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra-136119

विषय : **Construction of the proposed Multi-Storey Boys Hostel (G+9) with room capacity 1580 Nos. including Dinning hall at NIT Kurukshetra, Haryana. (Civil & Electrical Work).**

संदर्भ : आपके कार्यालय का पत्र संख्या : **letter No. CC/3506/01/02 Dated : 02.01.2023**

महोदय,

With reference to above letter please find enclosed herewith a Preliminary Estimate in duplicate amounting to Rs. 160,06,99,700/- (One Hundred Sixty Crore Six Lacs Ninety Nine Thousand & Seven Hundred Only) for the subject work for obtaining A/A & E/S of competent authority. The necessity for preparing the estimate has been explained in history part of the estimate.

It is requested to return one copy of the sanctioned estimate at the time of conveying the administrative approval & expenditure sanction.

Encl : As Above

02/03/2023
(C B Singh)
अधीक्षण अभियन्ता-करनाल
के.लो.नि.वि. करनाल

प्रतिलिपि :-

1. विशेष महानिदेशक, परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
2. Chief Architect, O/o विशेष महानिदेशक, परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
3. कार्यपालक अभियन्ता (सि.) के.लो.नि.वि. करनाल के सूचनार्थ।
4. कार्यपालक अभियन्ता (वै.) के.लो.नि.वि. करनाल के सूचनार्थ।

02/03/2023
अधीक्षण अभियन्ता-करनाल

GENERAL ABSTRACT OF COST

Name of Work:-	Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including Dining hall at NIT Kurukshetra, Haryana. (Civil Work + Electrical Work)		
S.No.	Description	Amount	Remarks
1	Civil Work	1036101481.00	Annexure- 'A' (As per abstract of Civil)
2	Electrical Work	340844492.00	Annexure- 'B' (As per Abstract of Elect.)
	Total	**1376945973.00**	(X)
	Add EPF & ESIC @ 4.25% on (X)	58520204.00	
	Add 3% Contingencies on (X)	41308379.00	
	Add for Anticipated increase @3 % As per circular issued by SE (TAS), New Delhi vide letter No. 68/SE(TAS)/Cost Index/2020/483-H dated 18.12.2020 on (X)	41308379.00	
	Add for anticipated increase @ 6.0% (3% per annum or past therefore for the increase in the cost during the period of completion work. (As per Circular No. 68/SE(TAS) Cost Index/2020/483-H dated 18.12.2020) on (X)	82616758.00	
	Grand Total	**1600699693.00**	
	Say	1600699700.00	

The Preliminary Estimate amounting to Rs. 160,06,99,700/- (One Hundred Sixty Crore Six Lacs Ninety Nine Thousand & Seven Hundred Only) is submitted for obtaining A/A & E/S of the competent authority.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

02/03/2023.

Superintending Engineer-Karnal
CPWD, Karnal

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: B & R
Kurukshetra

Division: Karnal
Sub-Division:

NAME OF WORK: Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including Dining hall at NIT Kurukshetra, Haryana. (Civil & Electrical Work)

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Preliminary Estimate framed by Er. Devendra Singh, Executive Engineer (Civil), Karnal Division & Er. Savita Ray, Executive Engineer (Elect.) and further processed in the Office of Superintending Engineer-Karnal, CPWD, Karnal for the probable cost of **Rs. 160,06,99,700/-** i/c contingencies.

REPORT

History: This Preliminary Estimate amounting to **Rs.160,06,99,700/-** i/c contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **the Dean (Planning & Development), NIT Kurukshetra** vide letter No. CC/3506/01/02 dated 02.01.2023. Hence this preliminary estimate has been prepared.

Design & Scope: The estimate has been prepared on the basis of following Architectural preliminary drawings issued by Chief Architect, O/o SDG-Chandigarh ,CPWD, Kendriya Sadan, Sector-9A, Chandigarh vide letter no. CA(SDGCH)/ 501/ 2023/42-gh dated 24.02.2023:-

1. Part Lay Out Plan - CA(SDGCH)/622/4046/PD/01
2. Ground Floor Plan - CA(SDGCH)/622/4047/PD/02
3. First Floor Plan - CA(SDGCH)/622/4048/PD/03
4. Second Floor Plan - CA(SDGCH)/622/4049/PD/04
5. Typical Floor Plan (Third to Ninth) - CA(SDGCH)/622/4050/PD/05
6. Section - XX - CA(SDGCH)/622/4051/PD/06
7. Typical Room Detail - CA(SDGCH)/622/4052/PD/07
8. Dining Hall (Ground Floor Plan) - CA(SDGCH)/622/4053/PD/08

The following provisions have been incorporated in this estimate:-

I) Civil Works :-

1. The proposed hostel building is G+9 storied with Reinforced Concrete Cement (RCC) framed structure. Floor to Floor height of each storey is 3150mm with total capacity of 1580 rooms (single occupancy). Floor wise Plinth Area statement is as below:-

Sr. No.	Floor	No. of Rooms (Single occupancy)	Area	Balcony Area	Total
1.	Ground Floor	124	3457.06 Sqm	267.12 Sqm	3724.18 Sqm
2.	First Floor	128	2914.59 Sqm	277.20 Sqm	3191.79 Sqm
3.	Second Floor	166	3457.06 Sqm	342.72 Sqm	3799.78 Sqm
4.	Third Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
5.	Fourth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
6.	Fifth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
7.	Sixth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
8.	Seventh Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
9.	Eighth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
10.	Ninth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
11.	Portico (Double Height 6.30 mtr)	-	90.17 Sqm	-	90.17 Sqm
12.	Mummty	-	400.00 Sqm	-	400.00 Sqm
13.	Dining Hall (Ground Floor Double Height 6.3 mtr)	-	1251.30 Sqm	-	1251.30 Sqm
14.	Porch (Ground Floor Double Height 6.3 mtr)	-	21.28 Sqm	-	21.28 Sqm
	Total	**1580 Rooms**			**39182.80Sqm**

2. Floor to floor height in Dinning area i/c Porch, Recreation room, Reading room, front entrance lobbies and Portico is 6300mm.
3. RCC raft foundation for Hostel block (Ground floor area only).
4. Internal water supply and sanitary installations, external service connection.
5. Underground sump with capacity 250000 litres.
6. Internal roads with Cement concrete pavement, footpath, external sewerage, Filtered water supply lines, Storm water drains, rain water harvesting, trenches for services, leveling of site/plot and boundary wall etc.
7. **Provision for furniture not taken in this estimate.**

II) Electrical Works :-

1. Internal & External Electrical Installations for Hostel and Dining Hall including MS conduiting for Light and Power Points, LAN, telephone conduiting, wiring with FRLS wires, MCB, DBs, Rising Mains, Energy Efficient LED Fittings & Fans, Occupancy Sensor, landscape Lighting and all other miscellaneous associated works and accessories.
2. 250KVA DG Set including AMF Panel set to meet Critical Load requirements.
3. 200 HP VRV/VRF system for Dining Hall & Common Areas in Hostel
4. Fire Fighting with Down comer system, Fire Extinguishers & Fire Suppression system as per NBC Provisions
5. Manual Fire Alarm with PA system as per NBC provisions.
6. IP based CCTV system for Common areas

7. LAN/Wi-Fi on 10 G Backbone for Hostel Building and Dining hall
8. 17 Nos. 13 Passenger Lifts with 1.5 m/s speed for Hostel Building including pressurization system for Staircase, Lifts Shaft & Lobby as per NBC Provisions.
9. Water Supply pumps system including control panel, associated valves, piping, switchgears, interconnections etc.
10. Emergency Lighting & Illuminated signage
11. 60 Nos. Water heater & Water Cooler cum RO for Hostel.
12. Grid interactive Solar Roof top PV system of 200 kWp.
13. 3 phase UPS of 50 kVA with 30 minutes backup.
14. Electrical Panel, Feeder Pillars, XLPE insulated Cables with HDPE pipes etc. for Electrical power distribution from nearest available source to Hostel Building & Dining Hall.
15. Kitchen Equipment with washing, storage, preparation equipment, Ducting for exhaust system etc.

(Note – No Provision of additional sub-station has been kept in this estimate assuming that existing sub-stations are having spare load capacity to cater the additional load of the hostel)

Specifications: Work shall be carried out as per CPWD Specifications 2019 Vol. I & II with up to date correction slip.

Obligations of the Client Department:-

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on PAR – 2021 & Market Rates.
Method:	Through contract after call of tender.
Time:	**24 months (4 months for Planning & 20 months for Execution)**
Cost:	**Rs. 160,06,99,700/- I/c contingencies.**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. **This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.**

-sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

-sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal, CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal, CPWD, Karnal

02/03/2023

Superintending Engineer-Karnal
CPWD-Karnal

Annexure - 'A'

Preliminary Estimate (Civil Work)

Name of work:- Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including dining hall at NIT Kurukshetra, Haryana.

S.No	Description	Qty	Unit	Rate	Amount	PAR, 2021
1	BUILDING COST (Specifications as per Annexure-I)					1
1.1	R.C.C. framed structure (upto six storeys)					1.1
1.1.1	Floor height 3.00mtr.(Hostels/ Quarters)	39182.80	sq.mtr.	20685.00	810496218.00	1.1.2
1.2	EXTRA FOR					1.3
1.2.0.1	Set of six additional storeys (i.e from 7th to 12th storey)	15659.60	sq.mtr.	105.00	1644258.00	1.3.1.1
1.2.1	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/ less height) (3.15-3.00/0.30x370.00=185.00	33877.58	sq.mtr.	185.00	6267352.00	1.3.2
1.3	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/less height) (6.30-3.00/0.30x370.00)=4070.00	1906.22	Sqm	4070.00	7758315.00	1.3.2
				Total Building Cost Rs.	**826166143.00**	
1.3.2	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	4819.81	sq.mtr.	200.00	963962.00	1.3.4
1.3.3	RCC raft foundation (on ground floor area only)	3547.23	sq.mtr.	10700.00	37955361.00	1.3.6
1.3.4	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./ sqm.	550.65	sq.mtr.	1800.00	991170.00	1.3.8
	Sub-Total				**866076636.00**	
2	SERVICES					2
2.1	Internal water supply & sanitary installations (Building cost = cost of item no. 1.1.2+1.3.1.1+1.3.2+1.500 (810496218.00+1644258.00+6267352.00+7758315.00)=826 166143.00					2.1
2.1.1	Internal water supply & sanitary installations. (Hostel with common toilet)	826166143.00	100 B.cost	8.00	66093291.00	2.1.4
2.2	External services connections and local body approval charges.					2.2
2.2.1	Civil external services connections					2.2.2
2.2.1.1	Civil external services connections.(Office/ College)	826166143.00	100 B.cost	1.25	10327077.00	2.2.2.1
	Sub-Total				**76420368.00**	
3	WATER TANKS (RCC ONLY)					4
3.1	Underground sump	250000.00	litre	20.00	5000000.00	4.5
	Sub-Total				**5000000.00**	
4	DEVELOPMENT OF SITE					5
4.1	Levelling	11827.00	sq.mtr.	300.00	3548100.00	5.1
4.2	Internal roads & paths					5.2
4.2.1	Cement concrete pavement with vaccum dewatered concrete	3690.00	sq.mtr.	2040.00	7527600.00	5.2.3
4.2.2	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	2702.00	sq.mtr.	2600.00	7025200.00	5.2.4
4.3	External Sewerage	425.00	metre	3350.00	1423750.00	5.3
4.4	Filtered water supply					5.4
4.4.1	Distribution lines 100mm dia.	500.00	metre	1700.00	850000.00	5.4.1
4.5	Storm water drains	250.00	metre	8920.00	2230000.00	5.5
4.6	Rain water harvesting (RWH)	260.00	metre	3350.00	871000.00	5.6
4.7	Trenchs for services	300.00	meter	6400.00	1920000.00	5.7

4.8	Boundary wall with 1500 mm height from ground level & 600 mm high MS grill including 2100 mm steel gates at every 100 meters.					5.8
5.8.1	With brickwork structure and RCC band at ground level and coping.	160.00	meter	9550.00	1528000.00	5.8.1
	Sub-Total				26923650.00	
	Total				974420654.00	
	Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022				61680827.00	
	Total				1036101481.00	

Assistant Engineer-Karnal(Civil)
O/o SE-Karnal,CPWD,Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure - 'B'

PRELIMINARY ESTIMATE (Electrical Works)

Name of Work:- Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including Dining hall at NIT Kurukshetra, Haryana.

S. No.	Description	Qty.	Unit	Rate	Amount	PAR, 2021
	Total Building Cost				826166143.00	As per Annexure-A
	Electrical Provisions					
	External service connections and local body approval charges shall be as hereunder or as estimates given by the local body whichever is higher.					
1	Electrical External service connections	826166143.00	100 B.cost	3.75%	30981230.00	2.2.1
2	Internal Electrical Installations	826166143.00	100 B.cost	12.50%	103270768.00	2.3
3.0	EXTRA FOR :-					
3.1	Power wiring and plugs	826166143.00	100 B.cost	4.00%	33046646.00	2.4.1
3.2	Lightening conducters	826166143.00	100 B.cost	0.25%	2065415.00	2.4.2
3.3	Telephone conduits	826166143.00	100 B.cost	0.25%	2065415.00	2.4.3
4	FIRE FIGHTING					
4.1	Down comer system (For Boys Hostel)	39182.80	P/sqm	400.00	15673120.00	1.5.1
4.2	Fire Extinguishers and Fire Suppression System	1.00	Job	1000000.00	1000000.00	LS
5	FIRE ALARM SYSTEM					
5.1	Manual Fire Alarm System (For Boys Hostel)	39182.80	P/sqm	250.00	9795700.00	1.6.1
6	Lifts					
6.1	13 Passengers Lift with power operated centre opening doors and AC variable vatage & variable frequency controls	17.00	Nos.	2360000.00	40120000.00	3.1.3
6.2	Lift Well & Lobby Presurisation	17.00	Job	250000.00	4250000.00	LS
6.3	Stair case Presurisation	10.00	Job	250000.00	2500000.00	LS
7	CCTV Survellience System					
7.1	Supplying, installation, testing & commissioning of IP based CCTV system for building security comprising of PTZ/Fixed camera, cabling, digital recording, HD display system with minimum display of 5" X 8 " per camera and hard ware software support- for indoors only. (15% of the Total area)	5877.42	P/sqm	200.00	1175484.00	6.10.1
8	LIGHTING AUTOMATION INCLUDING OCCUPANCY SENSORS					
8.1	Supplying, installation, testing and commissioning of lighting automation including occupancy sensors. (40% of the Total area). (Common areas, Toilet and Coridoor)	15673.12	P/sqm	200.00	3134624.00	6.14.1
9	LAN SYSTEM					
9.1	Supplying, installation, testing and commissioning of LAN system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (For total PAR of BoysHostel)	39182.80	P/sqm	500.00	19591400.00	6.16.1
10	Emergency light & illuminated signages	39182.80	P/sqm	20.00	783656.00	6.28.1
11	Provision of Water Supply System consisting of pumps, control panel, inter connecting pipes, valves, cabling, switchgear etc. as reqd.	1.00	Job	1500000.00	1500000.00	MR
12	Supplying, Installation, Testing & Commissioning of VRV/VRF type Air Conditioning in Mess/Common areas as required complete etc. ss required.	200.00	HP	55000.00	11000000.00	6.6.1
13	DG SET					
13.1	Supplying ,installation, testing and commissioning of DG sets,AMF panel, bus ducting cables from DG sets to essential panel, DG SET enclosure room sound insulation/ventilation / smoke exhaust as required ,earthing of DG set system, control cabling ,fuel tank/ piping ,DG set exhaust piping /exhaust chimney as per CPCB norms. civil works connected with DG sets including foundation as required. (For Critical Loads)	250.00	per kVA	10000.00	2500000.00	6.3.1

S. No.	Description	Qty.	Unit	Rate	Amount	PAR, 2021
14	WATER HEATER (GYSER) AND WATER COOLER INBUILT R.O					
14.1	Supplying, Installation, testing and commissioning of 50 ltr capacity water heater, 5 Star rated, suitable for 230V, 50Hz single phase AC supply with adjustable thermostat, outer body made out with SS, ABS-Body alongwith wall mounting accessories and inlet and outlet flexible connection pipe (OEM make) of actual length required at site etc complete as reqd. (01 for each toilet)	60.00	Each	20000.00	1200000.00	MR
14.2	Supplying, Installation, Testing & Commissioning of 120 Ltr Storage Water Cooler Cum Purifier with Seven Stage Reverse Osmosis purification System suitable for operation on 230 VAC ,50 Hz complete as required.	60.00	Each	150000.00	9000000.00	MR
15	SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM					
15.1	Supplying, installation,testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame	200.00	per kWp	55000.00	11000000.00	6.8.1
16	STREET LIGHTING WITH LED					
16.1	Supplying, installation, testing and commissioning of LED street/ compound/ high mast/ pathway/ landscape lighting. i/c cubical panel feeder pillar etc	1.00	Job	2500000.00	2500000.00	MR
17	RISING MAIN					
17.1	Supplying installation testing and commissioning of suitable capacity of compact Sandwich type Rising Main for use on 3phase 4 wire 415 volts, 50 Hz A.C.Rising mains comprising of end feed units and tap off boxes with suitable capacity 4 pole MCCB, separators, flexible joints, i/c bends, elbows and earthing having 35KA breaking capacity and IP 54 protection complete as	1.00	Job	2500000.00	2500000.00	MR
18	KITCHEN EQUIPMENT					
18.1	Supplying of kitchen equipment such as Washing, Strorage, Preparation equipment and ducting exhaust fresh air complete as required.	1.00	Job	8900000.00	8900000.00	MR
19	UNINTERRUPTED POWER SUPPLY					
19.1	Supplying, installation, testing and commissioning of online 3 phase UPS System with 30 minutes back up including batteries, interconnecting cables, battery racks etc.	50.00	kVA	20000.00	1000000.00	6.4.1
	Total				**320553458.00**	
	Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022				20291034.00	
	Total				**340844492.00**	

Assistant Engineer-Karnal (Elect)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

GENERAL ABSTRACT OF COST

Name of Work:-	Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including Dining hall at NIT Kurukshetra, Haryana. (Civil Work + Electrical Work)		
S.No.	Description	Amount	Remarks
1	Civil Work	1036101481.00	Annexure- 'A' (As per abstract of Civil)
2	Electrical Work	340844492.00	Annexure- 'B' (As per Abstract of Elect.)
	Total	**1376945973.00**	(X)
	Add EPF & ESIC @ 4.25% on (X)	58520204.00	
	Add 3% Contingencies on (X)	41308379.00	
	Add for Anticipated increase @3 % As per circular issued by SE (TAS), New Delhi vide letter No. 68/SE(TAS)/Cost Index/2020/483-H dated 18.12.2020 on (X)	41308379.00	
	Add for anticipated increase @ 6.0% (3% per annum or past therefore for the increase in the cost during the period of completion work. (As per Circular No. 68/SE(TAS) Cost Index/2020/483-H dated 18.12.2020) on (X)	82616758.00	
	Grand Total	**1600699693.00**	
	Say	1600699700.00	

The Preliminary Estimate amounting to Rs. 160,06,99,700/- (One Hundred Sixty Crore Six Lacs Ninety Nine Thousand & Seven Hundred Only) is submitted for obtaining A/A & E/S of the competent authority.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

02/03/2023.

Superintending Engineer-Karnal
CPWD, Karnal

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: B & R
Kurukshetra

Division: Karnal
Sub-Division:

NAME OF WORK: Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including Dining hall at NIT Kurukshetra, Haryana. (Civil & Electrical Work)

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Preliminary Estimate framed by Er. Devendra Singh, Executive Engineer (Civil), Karnal Division & Er. Savita Ray, Executive Engineer (Elect.) and further processed in the Office of Superintending Engineer-Karnal, CPWD, Karnal for the probable cost of **Rs. 160,06,99,700/-** i/c contingencies.

REPORT

History: This Preliminary Estimate amounting to **Rs.160,06,99,700/-** i/c contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from the **Dean (Planning & Development), NIT Kurukshetra** vide letter No. CC/3506/01/02 dated 02.01.2023. Hence this preliminary estimate has been prepared.

Design & Scope: **The estimate has been prepared on the basis of following Architectural preliminary drawings issued by Chief Architect, O/o SDG-Chandigarh ,CPWD, Kendriya Sadan, Sector-9A, Chandigarh vide letter no. CA(SDGCH)/ 501/ 2023/42-gh dated 24.02.2023:-**

1. Part Lay Out Plan - CA(SDGCH)/622/4046/PD/01
2. Ground Floor Plan - CA(SDGCH)/622/4047/PD/02
3. First Floor Plan - CA(SDGCH)/622/4048/PD/03
4. Second Floor Plan - CA(SDGCH)/622/4049/PD/04
5. Typical Floor Plan (Third to Ninth) - CA(SDGCH)/622/4050/PD/05
6. Section - XX - CA(SDGCH)/622/4051/PD/06
7. Typical Room Detail - CA(SDGCH)/622/4052/PD/07
8. Dining Hall (Ground Floor Plan) - CA(SDGCH)/622/4053/PD/08

The following provisions have been incorporated in this estimate:-

I) Civil Works :-

1. The proposed hostel building is G+9 storied with Reinforced Concrete Cement (RCC) framed structure. Floor to Floor height of each storey is 3150mm with total capacity of 1580 rooms (single occupancy). Floor wise Plinth Area statement is as below:-

Sr. No.	Floor	No. of Rooms (Single occupancy)	Area	Balcony Area	Total
1.	Ground Floor	124	3457.06 Sqm	267.12 Sqm	3724.18 Sqm
2.	First Floor	128	2914.59 Sqm	277.20 Sqm	3191.79 Sqm
3.	Second Floor	166	3457.06 Sqm	342.72 Sqm	3799.78 Sqm
4.	Third Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
5.	Fourth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
6.	Fifth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
7.	Sixth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
8.	Seventh Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
9.	Eighth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
10.	Ninth Floor	166	3457.06 Sqm	357.84 Sqm	3814.90 Sqm
11.	Portico (Double Height 6.30 mtr)	-	90.17 Sqm	-	90.17 Sqm
12.	Mummty	-	400.00 Sqm	-	400.00 Sqm
13.	Dining Hall (Ground Floor Double Height 6.3 mtr)	-	1251.30 Sqm	-	1251.30 Sqm
14.	Porch (Ground Floor Double Height 6.3 mtr)	-	21.28 Sqm	-	21.28 Sqm
	Total	**1580 Rooms**			**39182.80Sqm**

2. Floor to floor height in Dinning area i/c Porch, Recreation room, Reading room, front entrance lobbies and Portico is 6300mm.
3. RCC raft foundation for Hostel block (Ground floor area only).
4. Internal water supply and sanitary installations, external service connection.
5. Underground sump with capacity 250000 litres.
6. Internal roads with Cement concrete pavement, footpath, external sewerage, Filtered water supply lines, Storm water drains, rain water harvesting, trenches for services, leveling of site/plot and boundary wall etc.
7. **Provision for furniture not taken in this estimate.**

II) <u>Electrical Works :-</u>

1. Internal & External Electrical Installations for Hostel and Dining Hall including MS conduiting for Light and Power Points, LAN, telephone conduiting, wiring with FRLS wires, MCB, DBs, Rising Mains, Energy Efficient LED Fittings & Fans, Occupancy Sensor, landscape Lighting and all other miscellaneous associated works and accessories.
2. 250KVA DG Set including AMF Panel set to meet Critical Load requirements.
3. 200 HP VRV/VRF system for Dining Hall & Common Areas in Hostel
4. Fire Fighting with Down comer system, Fire Extinguishers & Fire Suppression system as per NBC Provisions
5. Manual Fire Alarm with PA system as per NBC provisions.
6. IP based CCTV system for Common areas

7. LAN/Wi-Fi on 10 G Backbone for Hostel Building and Dining hall
8. 17 Nos. 13 Passenger Lifts with 1.5 m/s speed for Hostel Building including pressurization system for Staircase, Lifts Shaft & Lobby as per NBC Provisions.
9. Water Supply pumps system including control panel, associated valves, piping, switchgears, interconnections etc.
10. Emergency Lighting & Illuminated signage
11. 60 Nos. Water heater & Water Cooler cum RO for Hostel.
12. Grid interactive Solar Roof top PV system of 200 kWp.
13. 3 phase UPS of 50 kVA with 30 minutes backup.
14. Electrical Panel, Feeder Pillars, XLPE insulated Cables with HDPE pipes etc. for Electrical power distribution from nearest available source to Hostel Building & Dining Hall.
15. Kitchen Equipment with washing, storage, preparation equipment, Ducting for exhaust system etc.

(Note – No Provision of additional sub-station has been kept in this estimate assuming that existing sub-stations are having spare load capacity to cater the additional load of the hostel)

Specifications: Work shall be carried out as per CPWD Specifications 2019 Vol. I & II with up to date correction slip.

Obligations of the Client Department:-

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on PAR – 2021 & Market Rates.
Method:	Through contract after call of tender.
Time:	**24 months (4 months for Planning & 20 months for Execution)**
Cost:	**Rs. 160,06,99,700/- i/c contingencies.**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.

This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

-sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

-sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal, CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal, CPWD, Karnal

02/03/2023
Superintending Engineer-Karnal
CPWD-Karnal

Annexure - 'A'

Preliminary Estimate (Civil Work)

Name of work:- Construction of the proposed Multi-Storied Boys Hostel (G+9) with room capacity 1580 Nos. including dining hall at NIT Kurukshetra, Haryana.

S.No	Description	Qty	Unit	Rate	Amount	PAR, 2021
1	BUILDING COST (Specifications as per Annexure-I)					1
1.1	R.C.C. framed structure (upto six storeys)					1.1
1.1.1	Floor height 3.00mtr.(Hostels/ Quarters)	39182.80	sq.mtr.	20685.00	810496218.00	1.1.2
1.2	EXTRA FOR					1.3
1.2.0.1	Set of six additional storeys (i.e from 7th to 12th storey)	15659.60	sq.mtr.	105.00	1644258.00	1.3.1.1
1.2.1	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/ less height) (3.15-3.00/0.30x370.00=185.00	33877.58	sq.mtr.	185.00	6267352.00	1.3.2
1.3	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/less height) (6.30-3.00/0.30x370.00)=4070.00	1906.22	Sqm	4070.00	7758315.00	1.3.2
		Total Building Cost Rs.			**826166143.00**	
1.3.2	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	4819.81	sq.mtr.	200.00	963962.00	1.3.4
1.3.3	RCC raft foundation (on ground floor area only)	3547.23	sq.mtr.	10700.00	37955361.00	1.3.6
1.3.4	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./ sqm.	550.65	sq.mtr.	1800.00	991170.00	1.3.8
	Sub-Total				**866076636.00**	
2	SERVICES					2
2.1	Internal water supply & sanitary installations (Building cost = cost of item no. 1.1.2+1.3.1.1+1.3.2+1.500 (810496218.00+1644258.00+6267352.00+7758315.00)=826 166143.00					2.1
2.1.1	Internal water supply & sanitary installations. (Hostel with common toilet)	826166143.00	100 B.cost	8.00	66093291.00	2.1.4
2.2	External services connections and local body approval charges.					2.2
2.2.1	Civil external services connections					2.2.2
2.2.1.1	Civil external services connections.(Office/ College)	826166143.00	100 B.cost	1.25	10327077.00	2.2.2.1
	Sub-Total				**76420368.00**	
3	WATER TANKS (RCC ONLY)					4
3.1	Underground sump	250000.00	litre	20.00	5000000.00	4.5
	Sub-Total				**5000000.00**	
4	DEVELOPMENT OF SITE					5
4.1	Levelling	11827.00	sq.mtr.	300.00	3548100.00	5.1
4.2	Internal roads & paths					5.2
4.2.1	Cement concrete pavement with vaccum dewatered concrete	3690.00	sq.mtr.	2040.00	7527600.00	5.2.3
4.2.2	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	2702.00	sq.mtr.	2600.00	7025200.00	5.2.4
4.3	External Sewerage	425.00	metre	3350.00	1423750.00	5.3
4.4	Filtered water supply					5.4
4.4.1	Distribution lines 100mm dia.	500.00	metre	1700.00	850000.00	5.4.1
4.5	Storm water drains	250.00	metre	8920.00	2230000.00	5.5
4.6	Rain water harvesting (RWH)	260.00	metre	3350.00	871000.00	5.6
4.7	Trenchs for services	300.00	meter	6400.00	1920000.00	5.7

5.8	Boundary wall with 1500 mm height from ground level & 600 mm high MS grill including 2100 mm steel gates at every 100 meters.					
5.8.1	With brickwork structure and RCC band at ground level and coping.	160.00	meter	9550.00	1528000.00	5.8.1
	Sub-Total				**26923650.00**	
	Total				**974420654.00**	
	Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022				61680827.00	
	Total				**1036101481.00**	

Assistant Engineer-Karnal(Civil)
O/o SE-Karnal,CPWD,Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure - 'B'

PRELIMINARY ESTIMATE (Electrical Works)

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3.3	Telephone conduits	826166143.00	100 B.cost	0.25%	2065415.00	2.4.3
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7.1	Supplying, installation, testing & commisioning of IP based CCTV system for building security comprising of PTZ/Fixed camera, cabling, digital recording, HD display system with minimum display of 5" X 8 " per camera and hard ware software support- for indoors only. (15% of the Total area)	5877.42	P/sqm	200.00	1175484.00	6.10.1
8	LIGHTING AUTOMATION INCLUDING OCCUPANCY SENSORS					
8.1	Supplying, installation, testing and commissioning of lighting automation including occupancy sensors. (40% of the Total area). (Common areas, Toilet and Coridoor)	15673.12	P/sqm	200.00	3134624.00	6.14.1
9	LAN SYSTEM					
9.1	Supplying, installation, testing and commissioning of LAN system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (For total PAR of BoysHostel)	39182.80	P/sqm	500.00	19591400.00	6.16.1
10	Emergency light & illuminated signages	39182.80	P/sqm	20.00	783656.00	6.28.1
11	Provision of Water Supply System consisting of pumps, control panel, inter connecting pipes, valves, cabling, switchgear etc. as reqd.	1.00	Job	1500000.00	1500000.00	MR
12	Supplying, Installation, Testing & Commissioning of VRV/VRF type Air Conditioning in Mess/Common areas as required complete etc. as required.	200.00	HP	55000.00	11000000.00	6.6.1
13	DG SET					
13.1	Supplying ,installation, testing and commissioning of DG sets,AMF panel, bus ducting cables from DG sets to essential panel, DG SET enclosure room sound insulation/ventilation / smoke exhaust as required ,earthing of DG set system, control cabling ,fuel tank/ piping ,DG set exhaust piping /exhaust chimney as per CPCB norms. civil works connected with DG sets including foundation as required. (For Critical Loads)	250.00	per kVA	10000.00	2500000.00	6.3.1

S. No.	Description	Qty.	Unit	Rate	Amount	PAR. 2021
a14	WATER HEATER (GYSER) AND WATER COOLER INBUILT R.O					
14.1	Supplying, Installation, testing and commissioning of 50 ltr capacity water heater, 5 Star rated, suitable for 230V, 50Hz single phase AC supply with adjustable thermostat, outer body made out with SS, ABS-Body alongwith wall mounting accessories and inlet and outlet flexible connection pipe (OEM make) of actual length required at site etc complete as reqd. (01 for each toilet)	60.00	Each	20000.00	1200000.00	MR
14.2	Supplying, Installation, Testing & Commissioning of 120 Ltr Storage Water Cooler Cum Purifier with Seven Stage Reverse Osmosis purification System suitable for operation on 230 VAC 50 Hz complete as required.	60.00	Each	150000.00	9000000.00	MR
15	SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM					
15.1	Supplying, installation,testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame	200.00	per kWp	55000.00	11000000.00	6.8.1
16	STREET LIGHTING WITH LED					
16.1	Supplying, installation, testing and commissioning of LED street/ compound/ high mast/ pathway/ landscape lighting. i/c cubical panel feder pillar etc	1.00	Job	2500000.00	2500000.00	MR
17	RISING MAIN					
17.1	Supplying installation testing and commissioning of suitable capacity of compact Sandwich type Rising Main for use on 3phase 4 wire 415 volts, 50 Hz A.C.Rising mains comprising of end feed units and tap off boxes with suitable capacity 4 pole MCCB, separators, flexible joints, i/c bends, elbows and earthing having 35KA breaking capacity and IP 54 protection complete as	1.00	Job	2500000.00	2500000.00	MR
18	KITCHEN EQUIPMENT					
18.1	Supplying of kitchen equipment such as Washing, Stroage, Preparation equipment and ducting exhaust fresh air complete as required.	1.00	Job	8900000.00	8900000.00	MR
19	UNINTERRUPTED POWER SUPPLY					
19.1	Supplying, installation, testing and commissioning of online 3 phase UPS System with 30 minutes back up including batteries, interconnecting cables, battery racks etc.	50.00	kVA	20000.00	1000000.00	6.4.1
	Total				**320553458.00**	
	Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022				20291034.00	
	Total				**340844492.00**	

Assistant Engineer-Karnal (Elect)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

102 N/1

Subject: Minutes of the meeting held on 11.04.2023 with the Senior Architect, CPWD along with other officers of CPWD & NIT Kurukshetra to discuss regarding the proposed multi-storey G+10 Boys Hostel at NIT Kurukshetra.

A meeting was held under the Chairmanship of Dean (P&D) in the Board Room of Golden Jubilee Administrative Building on 11.04.2023 at 11:00AM to discuss regarding the proposed multi-storey G+10 Boys Hostel at NIT Kurukshetra.

The followings were present in the meeting:

1. Prof. Brahmjit Singh, Dean (P&D)
2. Ar. Kokkula Shridhar, Senior Architect, CPWD, Chandigarh
3. Sh. C.B. Singh, Superintending Engineer, CPWD, Karnal
4. Er. Devendra Singh, Executive Engineer (Civil), CPWD, Karnal
5. Er. Savita Ray, Executive Engineer (Elect.), CPWD, Karnal
6. Er. Suresh Kumar, Assistant Engineer (Civil), CPWD
7. Er. Chandrajeet Kumar Singh, Assistant Engineer (Elect.), CPWD
8. Prof. Praveen Aggarwal, Associate Dean P&D for (E&C)
9. Dr. Kiran Kumar Jaladi, Faculty I/C (EM&T)
10. Er. S.N. Kaushik, A.E. (Civil)
11. Er. Ashish Choudhury, A.E. (Electrical)
12. Sh. Rajesh Kumar, J.E. (Civil)
13. Sh. Rakesh Kumar, J.E. (Elect.)

Before the start of the deliberations, the Chairman of the committee welcomed all the members present in the meeting.

In the meeting the committee discussed the preliminary drawings submitted by Senior Architect, CPWD, Chandigarh based on the digital survey plan conveyed by Executive Engineer, CPWD, Karnal. During discussion the following points were observed and resolved as under:

Hostel Structure:

1. The matter regarding the preliminary drawings of proposed Boys Hostel (G+9) submitted by Senior Architect, CPWD instead of G+10 was discussed. After detailed discussion, it is resolved that proposed Boys Hostel G+10 may be incorporated in the preliminary drawings instead of G+9.
2. The location of proposed multi-storey Boys Hostel may be shifted as a whole towards Hostel No -8.
3. The matter regarding nos. of lifts (17 nos.) as proposed in the preliminary drawings and preliminary cost estimate was discussed in details. After detailed discussion, it is resolved that provision of 12 nos. lifts may be consider in the preliminary drawings & preliminary cost estimate.
4. The matter regarding Provision of individual Electrical Sub-Station for proposed multi-storey hostel was discussed. During discussion it was apprised that the existing electrical sub-stations will be insufficient to cater the electrical load requirement for the proposed structures (Hostel and Mess). It is resolved that an individual sub station may be provided and must be shown in the preliminary drawings of proposed structures and the same may be included in the preliminary cost estimate.
5. The width of corridor i.e. 1.5 meter taken in the preliminary drawings was discussed in details and resolved that the width of corridor may be kept 2.0 meter instead of 1.5 meter.

N/2

6. The provision of centralized filtration plant with chiller plant along with the provision of plumbing work i.e. normal & chilled water supply lines at each floor may be included in the preliminary drawings & preliminary cost estimate to cater the requirement of drinking water supply to the students of hostels and dining area instead of Water Cooler (inbuilt R.O.).
7. Provision of Warden Room, MMCA Rooms & Guard Rooms near main entrance gates may be taken in the proposed Boys Hostel.
8. Provision of SS wire net in the balcony for safety purpose may be included in the preliminary drawings & preliminary cost estimate.
9. It is resolved that the provision taken for recreational & reading room in the proposed preliminary drawings at ground & first floor be converted into rooms for students.
10. Provision of RCC water tank at roof terrace instead of PVC water tank may be included in the preliminary drawings & preliminary cost estimate.

Mess Structure:

1. Provision of VRV/VRF system may be provided only in the Dining area at 1st floor & Recreation area at 2nd floor.
2. Un-interrupted power supply (UPS) not required in the proposed Hostel and Dinning area.
3. Mess Block G+2 may be constructed including the provision of G+4 in foundation for future extension. The ground floor may be used for Cooking, storage area, washing area while first floor may be used as dining area and second floor may be used for recreation area. The provision of washrooms at each floor & provision of service lift may be included in the preliminary drawings & preliminary cost estimate.
4. Provision of connecting corridor be made from Hostel Block to Mess Block at each floor.

The meeting ended with vote of thanks to the chair.

The minutes of meeting are submitted for kind consideration & approval please.

A.E. (Elect.) J.E. (Civil) J.E. (Elect.)

Associate Dean P&D for (E&C) Faculty I/C (EM&T) A.E. (Civil) SG-I

Dean (P&D)

Registrar I/C

Director

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3613/371 1954

Dated: 04.05.2023

To

The Senior Architect,
CPWD, Kendriya Sadan,
Sector -9 A,
Chandigarh-160009

Subject: Proposed Multi-storey Boys Hostel (G+10) at NIT Kurukshetra, Haryana.

Reference: Meeting held on 11.04.2023 at NIT Kurukshetra for the above cited subject between the officers/officials of CPWD & NIT Kurukshetra.

The approval of the competent authority of the Institute, is hereby conveyed to incorporate the suggestions/modifications in the preliminary drawings & cost estimate of proposed multi-storey Boys Hostel (G+10). The list of suggestions/modifications is on overleaf.

This is for information and further, necessary action please.

This may be treated as most urgent.

4/5/23
Associate Dean P&D for (E & C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (E&C)
5. Faculty I/C (EM&T)
6. A.E. (Civil), NITK
7. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
8. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001
9. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
10. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
11. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

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2. The location of proposed multi-storey Boys Hostel may be shifted as a whole towards Hostel No.-6.
3. The matter regarding nos. of lifts (17 nos.) as proposed in the preliminary drawings and preliminary cost estimate was discussed in details. After detailed discussion, it is resolved that provision of 12 nos. lifts may be consider in the preliminary drawings & preliminary cost estimate.
4. The matter regarding Provision of individual Electrical Sub-Station for proposed multi-storey hostel was discussed. During discussion it was apprised that the existing electrical sub-stations will be insufficient to cater the electrical load requirement for the proposed structures (Hostel and Mess). It is resolved that an individual sub-station may be provided and must be shown in the preliminary drawings of proposed structures and the same may be included in the preliminary cost estimate.
5. The width of corridor i.e. 1.5 meter taken in the preliminary drawings was discussed in details and resolved that the width of corridor may be kept 2.0 meter instead of 1.5 meter.
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4. Provision of connecting corridor be made from Hostel Block to Mess Block at each floor.

ESTATE SECTION
Diary No. 1649...
Dated. 16/9/23...

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता– करनाल
हैफेड ऑफिस बिल्डिंग, द्वितीय तल,
एस.सी.ओ.–19–20, सैक्टर–12 (पार्ट–1)
करनाल–132001

Office of Superintending Engineer - Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001
E-Mail : knl-sekcd@cpwd.gov.in

संख्या – 23(NIT-KKR)/अधी–अभि–करनाल/2023/911-15 दिनांक 14/09/2023

सेवा में,-

21/9/23 Dean (E&C) for information please.
Field C, Field Employment

Associate Dean P&D (Estate & Construction)
National Institute of Technology
Kurukshetra-136119

23/9/2023

विषय : **Construction of the proposed multi-storey Boys Hostel (G+10) with room capacity 1787 Nos. including Mess block (G+2), Electrical Sub Station at NIT Kurukshetra, Haryana.**

संदर्भ : आपके कार्यालय का पत्र संख्या : CC/3613/486 दिनांक 04.07.2023.

महोदय,

With reference to above subject, please find enclosed herewith a Revised Preliminary Estimate in duplicate amounting to Rs. 224,73,45,000/- (Two Hundred Twenty Four Crore Seventy Three Lacs Forty Five Thousand Only) for the subject work for obtaining A/A & E/S of the competent authority. The necessity for preparing the estimate has been explained in history part of the estimate.

It is, therefore, requested to return one copy of Sanctioned Estimate at the time of conveying the administrative approval & expenditure sanction.

Encl : As Above

14.09

अधीक्षण अभियन्ता–करनाल
के.लो.नि.वि. करनाल

प्रतिलिपि :–

1. विशेष महानिदेशक, परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
2. कार्यपालक अभियन्ता (सि.) के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(एन.आई.टी)/यो.शा./क.मं./2023/1504 दिनांक 16.08.2023 एवं सम पत्र संख्या : 1676 दिनांक 06.09.2023 के संदर्भ में सूचनार्थ।
3. कार्यपालक अभियन्ता (वै.) के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(7)/क.वै.मं./2023/1355 दिनांक 14.09.2023 के संदर्भ में सूचनार्थ।

अधीक्षण अभियन्ता–करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: B & R

Division: KD
Sub-Division: KSD

NAME OF WORK: **Construction of the proposed multi-storey Boys Hostel (G+10) with room capacity 1787 Nos. including Mess block (G+2), Electrical Sub Station at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Revised Preliminary Estimate framed by Er. Devendra Singh, Executive Engineer (Civil), Karnal Division & Er. Smt. Savita Ray, Executive Engineer (Elect.) and further processed in the Office of Superintending Engineer-Karnal, CPWD, Karnal for the probable cost of **Rs. 224,73,45,000/-** i/c contingencies.

REPORT

History:

This Revised Preliminary Estimate amounting to **Rs. 224,73,45,000/-** i/c 3% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining A/A & E/S by the competent authority. The requisition for the above mentioned work has been received from the **Dean (Planning & Development)**, NIT Kurukshetra vide letter No. CC/3506/01/02 dated 02.01.2023 and further revision in proposal vide letter No. **CC/3613/486 dated 04.07.2023** along with copy of approved modified drawings. Hence this revised Preliminary Estimate has been framed to obtain A/A & E/S by the competent Authority.

Design & Scope:

Earlier Preliminary Estimate amounting to Rs. 160,06,99,700/- (Civil + Electrical) was prepared on the basis of Architectural preliminary drawings (CA(SDGCH) /622/4046/PD/01 to CA(SDGCH) /622/4046/PD/08) for Hostel building G+9 and Dining Hall Ground Floor only issued by office of Chief Architect, CPWD Kendriya Sadan Sector-9A Chandigarh vide letter no. CA(SDGCH)/501/2023/42-gh dated 24.02.2023 and submitted to client for obtaining A/A & E/S vide letter No. 23(NIT-KKR)/SE-KARNAL/2023/205 dated 02.03.2023.
Later the revised drawings were issued by the office of Chief Architect, CPWD Kendriya Sadan Sector-9A Chandigarh vide letter no. CA(SDGCH)/622/2023/138 dated 26.05.2023 on request of the client department vide letter no. CC/3613/37/1954 dated 04.05.2023 via Email in which hostel building was changed from G+9 to G+10 and mess block from G.F. to G+2. The client department has approved the following drawings vide letter No. **CC/3613/486 dated 04.07.2023**

1. Part Layout Plan - CA(SDGCH)/622/4389/PD/09
2. Ground Floor Plan - CA(SDGCH)/622/4390/PD/10
3. First Floor Plan - CA(SDGCH)/622/4391/PD/11
4. Second Floor Plan - CA(SDGCH)/622/4392/PD/12
5. Third Floor Plan - CA(SDGCH)/622/4393/PD/13
6. Typical Floor Plan (Fourth to Tenth) - CA(SDGCH)/622/4394/PD/14
7. Section - XX - CA(SDGCH)/622/4395/PD/15
8. Typical Room Detail - CA(SDGCH)/622/4396/PD/16
9. Dining Hall (Ground Floor Plan) - CA(SDGCH)/622/4397/PD/17
10. Dining Hall (First Floor Plan) - CA(SDGCH)/622/4398/PD/18
11. Dining Hall (Second Floor Plan) - CA(SDGCH)/622/4399/PD/19
12. Electrical Sub Station - CA(SDGCH)/622/4400/PD/20

Note:- Area on the back side of dining hall marked by the client in the above approved Drawings has been incorporated in addition to the area shown in drawing no. CA(SDGCH)/622/4397/PD/17, 18 & 19 as per clients request vide letter dated 04.07.2023.

The Following provision have been incorporated in this estimate.

Civil work:

1. The proposed hostel building is G+10 storied with Reinforced cement concrete (RCC) framed structure, floor to floor height of each storey is 3150mm with total capacity of 1787 rooms (single occupancy), floor wise plinth area statement is as below:-

Sr. No.	Floor	No. of Rooms	Area	Balcony Area	Total
1.	Ground Floor (Hostel)	147	3662.23 Sqm	287.28 Sqm	3949.51 Sqm
2.	First Floor	164	3587.15 Sqm	337.68 Sqm	3924.83 Sqm
3.	Second Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
4.	Third Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
5.	Fourth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
6.	Fifth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
7.	Sixth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
8.	Seventh Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
9.	Eighth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
10.	Ninth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
11.	Tenth Floor	164	3662.23 Sqm	347.76 Sqm	4009.99 Sqm
11.	Portico (Double Height 6.30 mtr)	-	90.17 Sqm	-	90.17 Sqm
12.	Mummty (2.85 mtr height)	-	400.00 Sqm	-	400.00 Sqm
13.	Dining Hall			Additional Area	
	Ground Floor (Single Height 3.15 Mtr)	-	1232.88 Sqm	73.35 Sqm	1306.23 Sqm
	First floor (Double Height 6.30 mtr)	-	1232.88 Sqm	73.35 Sqm	1306.23Sqm
	Second floor (Double Height 6.30 mtr)	-	1232.88 Sqm	73.35 Sqm	1306.23Sqm
14.	Portico (Single Height 3.15Mtr)	-	16.70 Sqm	-	16.70 Sqm
15.	Connecting Corridor (Double Height 6.30 Mtr)	-	60.00 Sqm	-	60.00 Sqm
16.	Electrical Sub Station (Height 4.65 Mtr)	-	139.73 Sqm	-	139.73 Sqm
	Total	**1787 Rooms**			**48589.54 Sqm**

2. Floor to floor height in Dinning area, Recreational hall, Entrance lobby and Portico in Hostel is 6300mm.
3. RCC raft foundation for Hostel block & Mess Block (Ground floor area only).
4. Internal water supply and sanitary installation, external service connection.
5. Provision of Underground sump of capacity 250000 liters is taken and design is yet to be done.
6. Internal Cement concrete pavement, external sewerage, Filtered water supply lines, Storm water drains, rain water harvesting, trenches for services, leveling of site/plot and boundary wall etc.
7. Provision for Making stronger foundation to take additional load of two storeys on later date considering storey height 6.30 mtr each for dining hall building has been taken as per discussion by AE-in-charge with the client.
8. Provision for SS wire net in balconies have been taken as per client request vide letter no. CC/3613/37/1954 dated 04.05.2023.

9. Provision for furniture not taken in this estimate as per discussion by AE in charge with the client.
10. Bulk services :- Following is considered as informed by division office.
    a. Water Supply: - Underground water through tube wells including distribution network system is maintained by Institute itself.
    b. Storm water drain :- Existing storm water drain in the campus is connected with the drain maintained by irrigation department of Haryana for disposal of rain water.
    c. Waste disposal are being maintained by client itself.
11. Provision for STP not taken in this estimate as existing services will be used for disposal as informed by the AE-in-charge.
12. As per Guidelines, the work will be called under EPC mode-1.

Electrical Work:

1. Internal & External Electrical Installations for Hostel and Dining Hall including conduiting for Light and Power Points, LAN, telephone conduiting, wiring with FRLS wires, MCB, DBs, Rising Mains, Energy Efficient LED Fittings & Fans, Occupancy Sensor, landscape Lighting and all other miscellaneous associated works and accessories.
2. 500KVA DG Set including AMF Panel set to meet Critical Load requirements.
3. 220 HP VRV/VRF systems for Dinning area at 1st floor & Recreation area at 2 nd floor.
4. Fire Fighting with Wet Riser system, Fire Extinguishers & Fire Suppression system as per NBC Provisions
5. Manual Fire Alarm with PA system as per NBC provisions.
6. IP based CCTV system for Common areas
7. LAN/Wi-Fi on 10 G Backbone for Hostel Building and Dining hall
8. 17 Nos. 13 Passenger Lifts for Hostel Building& Dinning area including pressurization system for Staircase, Lifts Shaft & Lobby as per NBC Provisiofis.
9. Water Supply pumps system including control panel, associated valves, piping, switchgears, interconnections etc.
10. Emergency Lighting & Illuminated signage
11. 70 Nos. Storage Water heater.
12. 3000 Ltr. Centralized Filtration Plant with chiller plant along with the provision of plumbing work i.e. normal & chilled water supply lines at each floor & Kitchen Area.
13. Grid interactive Solar Roof top PV system of 200 KWp.
14. Electrical Panel, Feeder Pillars, XLPE insulated Cables with HDPE pipes etc. for Electrical power distribution from nearest available source to Hostel Building & Dining Hall.
15. Kitchen Equipment with washing, storage, preparation equipment, Ducting for exhaust system etc.
16. 11 kV/0.433 kV substation with 3000 KVA Transformer Capacity i/c 50% standby.

Specification:

Civil Part: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Electrical Part: Electrical work Internal 2013 and External (Part-I) Amended up to date, CPWD General Specifications for Electrical Works Part-IV- Sub-Station –2013, Generation Specifications for Heating, Ventilation & Air- Conditioning (HVAC)- 2017. CPWD, Generation Specifications for Electrical Works, Part-VI Fire Detection and Alarm System – 2018, Part-V Wet Riser & Sprinkler system-2020.

Obligations of the client department:

1. Client department vide their letter no. CC/3613/624 dated 01.09.2023 has intimated that for local body approvals, Fire NOC and other statutory body approvals etc. institute shall explore any such approval whenever required, at its own level and therefore no provision for local body approvals has been taken in the estimate.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration

proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.

4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Civil : Based on PAR-2023 & Market Rates.
Elect.: Based on PAR-2023 & Market Rates.

Method: Through contract after call of tender under EPC mode-1.

Time:

Pre Construction	:	6 Months
Construction Period	:	24 Months
Total	:	30 Months (After receipt of A/A & E/S or receipt of funds whichever is later)

Cost: Rs. 224,73,45,000/-

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

-Sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

-Sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD-Karnal

GENERAL ABSTRACT OF COST

Name of Work:-	Construction of the proposed multi-storey Boys Hostel (G+10) with room capacity 1787 Nos. including Mess block (G+2), Electrical Sub Station at NIT Kurukshetra, Haryana.		
S.No.	Description	Amount	Remarks
1	Civil Work	1479227094	Annexure- 'A' (As per abstract of Civil)
2	Electrical Work	459141898	Annexure- 'B' (As per Abstract of Elect.)
	Total	1938368992.00	(X)
	Add EPF & ESIC @ 3.94% on (X)	76371738.00	
	Add 3% Contingencies on (X)	58151070.00	
	Add for Anticipated Increase in the total cost of work @3% as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 from the date of submission of PE to the completion of pre-construction activities.	58151070.00	
	Add for Anticipated Increase in the total cost of work @3% per Annum as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 for increase during the period of completion of work (24 months).	116302140.00	
	Grand Total	2247345010.00	
	Say	2247345000.00	

This Revised Preliminary Estimate amounting to Rs. 224,73,45,000/- (Two Hundred Twenty Four Crore Seventy Three Lacs Fourty Five Thousand Only) is submitted to Client Department for obtaining A/A & E/S.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD, Karnal

Annexure - A

Preliminary Estimate (Civil Part)

Name of work:- Construction of the proposed multi-storey Boys Hostel (G+10) with room capacity 1800 Nos. including Dining hall (G+2), Electrical Sub Station at NIT Kurukshetra, Haryana.

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	BUILDING COST (Specifications as per Annexure-I)					1
1.1	R.C.C. framed structure (upto six storeys)					1.1
1.1.1	Floor height 3.00mtr.(Hostels/ Quarters)	48589.54	sq.mtr.	23530.00	1143311876.00 (A)	1.1.2
1.2	EXTRA FOR					1.3
1.2.0.1	Set of six additional storeys (i.e from 7th to 12th storey)	20049.95	sq.mtr.	120.00	2405994.00 (B)	1.3.1
1.2.1	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/less height (3.15-3.00/0.30x421.00=210.50)	45212.10	sq.mtr.	210.50	9517147.00 (C)	1.3.2
1.2.2	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only) (6x230.00=1380.00)(3.00-1.20)/0.30=6	5272.44	sq.mtr.	1380.00	7275967.00	1.3.4
1.2.3	Making stronger foundations to take load of one additional floor at a later date (on ground area only) (For RCC framed structures only) (2x1820.00=3640.00)	1306.23	sq.mtr.	3640.00	4754677.00	1.3.5
1.2.4	RCC raft foundation (on ground floor area only)	5272.44	sq.mtr.	12170.00	64165595.00	1.3.6
1.2.5	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./ sqm.	550.65	sq.mtr.	2050.00	1128833.00	1.3.9
1.3	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional/less height) (6.30-3.00/0.30x421.00)=4631.00	5450.17	Sqm	4631.00	25239737.00 (D)	1.3.2
1.4	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 4.65mtr./ 3.00mtr. (4.65-3.00/0.30x421.00)=2315.50	139.73	Sqm	2315.50	323545.00 (E)	1.3.2
1.5	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 2.85-3.00/0.30x421.00=-210.50	400.00	Sqm	-210.50	-84200.00 (F)	1.3.2
	Sub-Total				**1258039171.00**	
2	SERVICES					2
2.1	Internal water supply & sanitary installations					2.1
2.1.1	Internal water supply & sanitary installations. (Hostel with common toilet)	1180714099.00 (A+B+C+D+E+F)	100 B.cost	8.00	94457128.00	2.1
2.2	External services connections and local body approval charges.					2.2
2.2.1	Civil external services connections					2.2.2
2.2.1.1	Civil external services connections.(Hostels)	1180714099.00	100 B.cost	1.25	14758926.00	2.2.2
2.3	EXTRA FOR					2.4
2.3.1	Third party quality assurance					2.4.4
2.3.1.1	Third party quality assurance.(Hostels)	1180714099.00	100 B.cost	1.00	11807141.00	2.4.4
2.3.1.2	Consultancy services for designing and planning of project, if out sourced	1180714099.00	100 B.cost	1.00	11807141.00	2.4.5
	Sub-Total				**132830336.00**	
3	WATER TANKS (RCC ONLY)					4
3.1	Underground sump	250000.00	litre	23.00	5750000.00	4.5
	Sub-Total				**5750000.00**	
4	DEVELOPMENT OF SITE					5
4.1	2.1:- compact site, comprising of a single huge area building with a few ancillary buildings around or few high rise (higher than 12 storey) building blocks inclose cluster.	1180714099.00	100 B.cost	4.50	53132134.00	As per Note-3, P-09, PAR 2023

4.2	Boundary wall with 1500 mm height from ground level & 600 mm high MS grill including 2100 mm steel gates at every 100 meters.					5.8
4.2.1	With brickwork structure and RCC band at ground level and coping.	160.00	meter	10870.00	1739200.00	5.8.1
4.3	Providing and fixing stainless steel invisible wire safety net made of SS grade 316, 3mm thick 50mm gap for protection of beards including fixing arrangement complete as per direction of Engineer-in-charge.	11150.88	Sqm	2487.36	27736253.00	
	Sub-Total				**82607587.00**	
	Total				**1479227094.00**	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure - H

REVISED PRELIMINARY ESTIMATE (Electrical Work)

Name of Work: - Construction of the proposed Multi -storied Boys Hostel (G+10) with room capacity 1787 Nos. including Mess Block (G+2),Electrical Substation at NIT Kurukshetra. (Electrical Provision).

S. No.	Description	Qty.	Unit	Rate	Amount	PAR 2023
	Electrical Provision					
	Internal service connections and local body approval charges shall be as hereunder or as estimates given by the local body whichever is higher.					
3	Electrical External service connections	1180714099.00	100 B.cost	3.75%	44276779.00	2.2.1
4	Internal Electrical installations	1180714099.00	100 B.cost	12.50%	147589262.00	2.3
5.0	EXTRA FOR :-					
5.1	Power wiring and plugs	1180714099.00	100 B.cost	4.00%	47228564.00	2.4.1
5.2	Lightning conductors	1180714099.00	100 B.cost	0.25%	2951785.00	2.4.2
5.3	Telephone conduits	1180714099.00	100 B.cost	0.25%	2951785.00	2.4.3
6	FIRE FIGHTING					
6.1	Wet Riser system (For Boys Hostel)	48589.54	per sqm	890.00	43244691.00	1.5.2
6.2	Fire Extinguishers and Fire Suppression System	1.00	Job	2863468.00	2863468.00	MR
7	FIRE ALARM SYSTEM					
7.1	Manual Fire Alarm System (For Boys Hostel)	48589.54	per sqm	280.00	13605071.00	1.6.1
8	Lifts					
8.1	21 Passengers Lift with power operated centre opening doors and AC variable vtage & variable frequency controls (Speed 1.5 m/s)	13.00	Nos.	2765250.00	35948250.00	3.1.4
8.2	13 Passengers Lift with power operated centre opening doors and AC variable vtage & variable frequency controls (speed 1.0 m/s)	4.00	Nos.	2538160.00	10152640.00	3.1.3
8.3	Lift Well & Lobby Pressurisation	17.00	Job	104195.00	1771315.00	MR
8.4	Stair case Pressurisation	12.00	Job	104874.00	1258488.00	MR
9	CCTV Surveillence System					
9.1	Supplying, installation, testing & commisioning of IP based CCTV system for building security comprising of PTZ/Fixed camera, cabling, digital recording, HD display system with minimum display of 5" X 8 " per camera and hard ware software support- for indoors only. (15% of the Total area)	7288.43	per sqm	210.00	1530571.00	6.10.1
10	LIGHTING AUTOMATION INCLUDING OCCUPANCY SENSORS					
10.1	Supplying, installation, testing and commissioning of lighting automation including occupancy sensors. (40% of the Total area).	19435.82	per sqm	220.00	4275880.00	6.14.1
11	LAN SYSTEM					
11.1	Supplying, installation, testing and commissioning of LAN system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (For total PAR of Boys Hostel) (70% of Total Areas)	34012.68	per sqm	560.00	19047099.68	6.16.1
12	Emergency light & illuminated signages	48589.54	per sqm	22.00	1068969.88	6.28.1
13	HYDRO PNEUMATIC WATER SUPPLY SYSTEM					
13.1	Supplying, installation, testing and commissioning of hydro pneumatic water supply system consisting of pumps, pneumatic tank, microprocessor based control panel, VFD, inter connecting pipes, valves, cabling, switchgear etc. as required (1787 x 135 litre=241245 litre)	900.00	per LPM.	1640.00	1476000.00	6.13.1
14	Supplying, Installation, Testing & Commissioning of VRV/VRF type Air Conditioning in Dinning area at 1st floor & Recreation area at 2 nd floor complete etc as required.(Area-1634.42 sq. mtr. Approx. with Height 6.3 mtr.)	220.00	per HP	58480.00	12865600.00	6.6.1
15	DG SET					
15.1	Supplying ,installation, testing and commissioning of DG sets,AMF panel, bus ducting cables from DG sets to essential panel, DG SET enclosure room sound insulation/ventilation / smoke exhaust as required ,earthing of DG set system, control cabling ,fuel tank/ piping ,DG set exhaust piping /exhaust chimney as per CPCB norms civil works connected with DG sets including foundation as required. (For Critical Loads)	500.00	per kVA	11560.00	5780000.00	6.3.1
16	WATER HEATER (GYSER) AND CENTRALIZED FILTRATION PLANT WITH CHILLER PLANT					
16.1	Supplying, Installation, testing and commissioning of 50 ltr capacity water heater, 5 Star rated, suitable for 230V, 50Hz single phase AC supply with adjustable thermostat, outer body made out with SS, ABS-Body alongwith wall mounting accessories and inlet and outlet flexible connection pipe (OEM make) of actual length required at site etc complete as reqd. (01 for each toilet & kitchen Area)	70.00	Each	26147.00	1830290.00	MR
16.2	Supplying, Installation, Testing & Commissioning of 3000 Ltr. Centralized Filtration Plant with chiller plant along with the provision of plumbing work i.e. normal & chilled water supply lines at each floor & kitchen Area.	1.00	Job	3047578.00	3047578.00	MR
17	SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM					
17.1	Supplying, installation,testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame	200.00	per kWp	58480.00	11696000.00	6.8.1
18	STREET LIGHTING WITH LED					6.19
18.1	Supplying, installation, testing and commissioning of LED street/ compound/ high mast/ pathway/ landscape lighting for the entire campus (Rate applicable on total plot area) (PLOT AREA- approx 23656 Sqmtr)	23656.00	per sqm	160.00	3784960.00	6.19.1
19	KITCHEN EQUIPMENT					
19.1	Supplying of kitchen equipment such as Washing, Storage, Preparation equipment and ducting exhaust fresh air complete as required.	1.00	Job	11672415.00	11672415.00	MR
20	SUB-STATION EQUIPMENTS					

S. No.	# Description	Qty.	Unit	Rate	Amount	PAR 2023
20.1	Supplying, installation, testing and commissioning of33 kV/0.433 kV or 11 kV/0.433 kV substation equipment comprising HT panel, dry type/Oil type transformers, HT cable, bus trunking from transformer to LT panel, LT panels, automatic power factor correctionpanel, active harmonic filters, TVSS (transient voltage suppression system), SPD (surge protection system), essential panel, earthing, required inter-connections, substation safety equipments including LT cabling from substation to the buildings fed by the substation.	3000.00	per KVA	9000.00	27000000.00	6.2.1
	Total				458917462.00	
	Add Labour cess (on MR, LS items)@	1.00%	22443554.00		224436.00	
	Total				459141898.00	

Assistant Engineer-Karnal(Electrical)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

Subject: Construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) Electrical Sub Station at NIT Kurukshetra, Haryana.

The requisition was received from Chief Warden (Boys Hostels) vide letter No. CW/VK/2022/165 dated 13.08.2022. The request was put up before the Estate Affairs Committee Meeting held on 12.09.2022 vide item no.-7. The EAC deliberated on the matter and resolved that a multi-storey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No. 11 measuring of approx. size (175 mtr. X 102mtr.). The common amenities like mess, dining hall & common room etc. will be provided in a new multi-storey building for the above said proposed hostel as well as the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the preliminary cost estimate on plinth area basis will be put in the next meeting. After approval of the competent authority of the Institute, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide No. CC/3506/628/4781 dated 14.10.2022 for submission of preliminary cost estimate.

In response to the above a letter was received from Assistant Engineer(Civil), CPWD vide 24(NIT)/AE/KSD/2022/232 dated 19.10.2022 in which it is requested to provide the location plan, number of storeys and details of amenities i.e. Dining Room, Common Room, Sports Room or other special requirements. The matter was discussed in the EAC meeting held on 06.12.2022 vide item No. 05. The EAC discussed and resolved that instead of two seater single seater rooms may be taken up in new multi-storeyed Boys Hostel.

A request letter was also sent to Special Director General, CPWD, Chandigarh vide No. CC/3506/01/02 dated 02.01.2023 alongwith a copy of as built sketch of vacant area lying behind Hostel No.-11 regarding for the preliminary cost estimate along with conceptual drawing. Accordingly, a letter was received from the Sr. Architect, CPWD, Chandigarh vide No. CA(SDGCH)/501/2023/ 14-H dated 20.01.2023 in which it is requested to forward the information/documents i.e. (i) approved layout plan of campus (ii) EIA status of the project (iii) Land ownership documents (iv) Fire approval of the campus/ existing buildings and (v) any other site relevant information which can affect the design. The required information/documents was sent to Senior Architect, CPWD, Chandigarh vide No. CC/3613/104/537 dated 09.02.2023.

Accordingly, the Preliminary Drawings and 3D view of the proposed Multi-storey Boys Hostel was received from the Senior Architect, CPWD, Chandigarh vide No. CA(SDGCH)/501/2023/42-H dated 24.02.2023. Also the preliminary cost estimate of Rs. 160,00,69,700/- was received from SE (Civil), CPWD vide letter No. 23(NIT-KKR)/SE-Karnal/2023/205 dated 02.03.2023.

Contd n/2-

The drawings and estimate were discussed in the meeting held on 11.04.2023 with CPWD officials under the chairmanship of Director. After detailed discussion, it was resolved that the building should be constructed for G+10 instead of G+9 and considering other minor observations such as width of corridors, No. of lifts etc. The observations have been conveyed to CPWD vide letter No. CC/3613/3771/1954 dated 04.05.2023 for further revision of building drawings and cost estimate.

The matter was discussed in the EAC in its meeting held on 18.07.2023 under the action taken on the previous meeting. In the meeting EAC resolved that *"The cost estimate is awaited from CPWD. Further, a reminder may be sent to CPWD for submission of revised cost estimate for construction of multi-storey Boys Hostel (G+10). As and when the cost estimate received from CPWD the same may be put up in next B&WC after getting approval from the competent authority of the Institute".*

Now, the Superintending Engineer, CPWD, Karnal submitted the Revised Preliminary Cost Estimate amounting to Rs.224,73,45,000/- for an approximate plinth area of Hostel is 48589.54 sqm. vide No.23(NIT-KKR)/SE-Karnal/2023/912-H dated 14.09.2023 for the construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) and Electrical Sub Station at NIT Kurukshetra, Haryana.

In view of the above, if agreed, the Hon'ble Director may accord approval for revised preliminary cost estimate amounting to Rs.224,73,45,000/- for the construction of proposed Multi-Storey Boys Hostel (G+10) with room capacity 1787 nos. including Mess Block (G+2) and Electrical Sub Station at NIT Kurukshetra, Haryana. The approval may also be accorded to put up the above said work before the Building & Works Committee in its ensuing meeting.

Submitted for approval please.

A.E. (Civil) SG-I 4/10/23

A.E. (Elect.) SG-II 4/10/23

Assistant SG-I 04/10/23

Associate Dean P&D for (E&C) 5/10/23

Faculty I/C (E,C&ID) 04/10

Faculty I/C (EM & T) 4/10/23

Dean (Estate & Construction) 5/10/2023

Registrar I/C 05/10/23

Director 06/10/23.

6/10/23

06/10/23

AE c c/SG-I

BWC 29.5 **To consider and approve the preliminary cost estimate for the construction of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.**

The requisition was received from Head of Computer Engineering Department vide No. Co/2022/481 dated 29.07.2022 tentative dimensions for the Space requirements of Computer Engineering Department. The request highlighted that the allocated built-up space for the Computer Engineering Department is not adequate for the current intake of students of the academic programs of the department. The request was put up before the Estate Affairs Committee Meeting held on 12.09.2022 vide item no.-3(iii). The EAC discussed the matter and resolved that a new Computer Engineering Block (G+5) equipped with lifts and other amenities to accommodate the increasing strength of the students should be considered. The new computer block was proposed on the vacant land lying behind the MBA/MCA Department and South Side of SCoE Block. EAC also resolved that the preliminary cost estimate on plinth area basis may be obtained from CPWD.

Accordingly, a letter was sent to Executive Engineer (Civil), CPWD Karnal vide no. CC/3506/627/4782 dated 14.10.2022 for the submission of preliminary cost estimate for the construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities. In response to above a letter was received from Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/233 dated 19.10.2022 regarding to submit the location plan so that conceptual drawings/plan may be obtained from CPWD Architect to prepare the preliminary estimate. Copies enclosed as **Appendix 29.5 (i) from pages 120 to 125**.

Further, a letter was sent to Head, Computer Engineering vide no. CC/3506/12 dated 06.01.2023 regarding to submit the requirement for New Computer Engineering Block (G+5) including provision of lifts and other amenities. The requirement was communicated to the Chief Architect, CPWD, Chandigarh vide no. CC/3616/62/290 dated 20.01.2023 for submitting the conceptual drawings for the construction of new Computer Engineering Block (G+5) including provision of lifts & other amenities.

The Head of Computer Engineering again submit the revised space requirements for Construction of new Computer Engineering Block (G+5) approved by DAC vide letter no. Co/2023/96 dated 27.01.2023. Accordingly, the same was

conveyed to Senior Architect, CPWD, Chandigarh vide no. CC/3616/182/826 dated 28.02.2023 and CC/3616/370/1955 dated 04.05.2023. As informed by Senior Architect, CPWD, Chandigarh telephonically that the space available at proposed site is about 4500 Sqm (in a G+5 structure). Accordingly a meeting was held on 22.05.23 under the Chairmanship of Director and requirements for the above said building were reviewed. In response to above mentioned letter Architectural drawings were submitted by Senior Architect, CPWD, Chandigarh for approval vide no. CA{SDGCH}/501/2023/35 dated 23.05.2023, the same was conveyed to Senior Architect, CPWD, Chandigarh after approval of the competent authority of the Institute vide letter no. CC/3616/487/2707 dated 04.07.2023.

Further, the matter was discussed in the Estate Affairs Committee meeting held on 18.07.2023 under the discussion of action taken on previous meetings held on 24.01.2023. The EAC resolved & recommended that a reminder may be communicated to CPWD for submission of the cost estimate for construction of New Computer Engineering Block (G+5). EAC was also resolved that as and when the cost estimate received from the CPWD and the same may be put up in the next B&WC after getting approval from the competent authority of the Institute.

The preliminary cost estimate amounting to Rs.52,40,75,950/- for an approximate plinth area of New Computer Engineering Block (G+5) is 7929.44 sqm. has been received from Superintending Engineer, CPWD, Karnal vide No.23(NIT-KKR)/SE-Karnal/2023/913-H dated 14.09.2023 for the construction of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana. Accordingly, the preliminary cost estimate for an amount of Rs. 52,40,75,950/- for the above said work was put up before the competent authority of the Institute for its approval. The same was approved on 06.10. 2023 by the competent authority of the Institute, and is placed before the Building & Works Committee for approval. Copies enclosed as **Appendix 29.5 (ii) from pages 126 to 159.**

The Building & Works Committee may *consider and approve the Preliminary Cost Estimate for an amount of Rs. 52,40,75,950/- for the work of construction of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana.*

COMPUTER ENGINEERING DEPARTMENT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

No: Co/2022/ 481

Dated: 29-07-2022

ESTATE SECTION
Diary No. 1121
Dated. 29/07/22

Sub: Tentative dimensions for the Space Requirements of Computer Engg Dept

With ref to our telephonic conversation about the proposal of a new building for the additional space requirements, the AE (Estate) has desired to suggest tentative dimensions of our various labs/rooms. **It is submitted that the management of academics and administration will be difficult if Co/IT dept has scattered space in existing Co dept, Siemens 2nd floor, MCA 2nd floor and the new proposed building.** Hence it will be better if the new building is made sufficient for one atleast department as an independent unit and this is directly dependent on the planning of students intake in Co, in IT and creation of separate IT dept. **Following space requirements are based on B Tech intake of 400 and M Tech intake of 45, combined together for Co & IT, as sent in Feb & Mar 2022. The estimated dimensions are provided below:**

Sr	Type of Space	Number Needed	Current in Co Dept	New Allocatn in MCA/SCOE block	New/ Addl Req	Tentative dimensions (for each of the respective units)
1	Lab with a capacity of 25-30 students each 150 x 22 = 3300 Sqm	22	6	5	11	5 labs of 24*41 feet(40-44 students) 17 labs of 24*20 feet Approx 10 labs should have additional space for small cabins for technical staff
2	Project Labs for UG/PG with a capacity of 50 each (one per lecture group)	5	Nil	Nil	5	2/ 15 feet
3	Servers' Room & CCTV surveillance	3	Nil	1	2	11*19 feet
4	Space for UPS	2	Nil	1	1	11*19 feet
5	Seminar Rooms (1 per lecture group of 80 students shared among all years) 80 x 2 = 160 Sqm2 = 800 Sqm	5+1 for PG	1	Nil	5	?
6	Conference/Meeting/Expert Lectures Room with capacity of 80 people 80 x 3 = 240 x 3 = 720 Sqm	4	Nil	1	3	1 compulsory + 2 desirable

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7	Rooms/Cabins for faculty seating Approx 16Prof+32 Assoc+65AP	113	Approx 20	5	88	Prof: 16 rooms: 16*20 feet Assoc Prof: 32: 14*20 AP/Off/Store etc:70 rooms:12*20
8	Cabins for PhD scholars (assuming 3 scholars per faculty)	339	4	8	327	Few big rooms having partitions so that each scholar gets 8*10 feet space
9	Library & Repository for Thesis & Dissertation	2	Nil	Nil	2	Desirable
10	Pantry Room	2	Nil	Nil	2	Compulsory
11	Visitor's/Waiting Room	2	Nil	Nil	2	Compulsory
12	Space for Sponsored Research projects & Labs with capacity of 20-25 (assuming one shared among five faculty members	23	Nil	Nil	23	20 * 30 feet
13.	HOD Room with attached toilet	1	-	-	1	20*24 feet + additional space for attached toilet
14	Misc & future growth based	Toilets, Stores, dept-office, Storage Room for old records/answer-sheets etc and 10-15% extra for future				compulsory
15	Lecture Rooms** (it will be better if some lecture rooms are provided in the dept for UG/PG lectures)	**There will be approx 300-350 lectures in total per week as per current scheme. Assuming occupancy of 5 periods daily per lecture room, there is need of 12-14 lecture rooms in total. Atleast 3-4 rooms should be of capacity of approx 150 and others should be of capacity as per lecture group policy of the Institute. Some of these should be given inside the dept building For good-quality classroom teaching and as per our existing lecture rooms capacity, lecture group of 60-65 will be better than a lecture group of 80-90.				
16	Tutorial Rooms** (it will be better if some tut rooms are provided in the dept for UG students)	**There will be approx 170 tutorials in total (for all years) per week as per current scheme. Assuming occupancy of 5 periods daily per lecture room, there is need of 7 tut-rooms in total. Presently no room is being allocated for tut in the Institute time table. But it is recommended that tut-rooms should exist and some of these should be given inside the dept building.				

29.7.22
Head, Computer Engg Dept

1. **Dean (P & D)**
2. **Prof InCharge Estate**

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EAC Minutes of Meeting held on 12.09.2022

iii) Substitute Gate of KUK and NITK Gate.

It will be decided after the finalization of the Institute Master Layout Plan.

3 **To discuss the requests received from the HoD, Computer Engineering vide no. Co./2022/476 dated 28.07.2022, Co./2022/477 dated 28.07.2022 & Co./2022/481 dated 29.07.2022 - regarding**

i) **Step width and furniture for the new lecture halls on the 2nd floor of MBA Block (Urgent).**

The request received from HoD, Computer Engineering was discussed in the EAC. The EAC resolved and recommended that the capacity of benches in the new lecture halls on the 2nd floor of MBA Block be increased by adding one additional row as per site conditions.

ii) **Change of step width and benches in LHC lecture halls to increase seating capacity and avoid inconvenience of students in studying in the classes.**

The request received from HoD, Computer Engineering was discussed in the Estate Affairs Committee. The EAC resolved that the change of width of step is not feasible and capacity of benches may be increased by adding one additional row as per site condition. Further, the width of steps may be reviewed for enhancement during the construction of additional floor over the 2nd floor of the LHC block.

iii) **Construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities. (for additional space requirements of Computer Engineering Department) Co./2022/481 dated 29.07.2022.**

The request received from HoD, Computer Engineering was discussed in the Estate Affairs Committee. The Head of the Computer Engineering Department apprised the EAC that the available built-up space in the existing building of the Computer Engineering Department plus additional rooms scattered over the SCoE building and MBA/MCA block is not adequate for the current intake of students in the academic programs of the department. In the following academic years, the strength of students in the department encompassing both Computer Engineering and Information Technology Programs will increase accumulatively.

In view of these developments, the EAC considered the opinion of HoD, Computer Engineering and resolved to propose a new Computer Engineering Block (G+5) equipped with lifts and other amenities to accommodate the increasing strength of students for smooth conduct of their teaching, learning, lab work, and research activities. Further, the details of labs and facilities may obtained from Computer Engineering Department. It is resolved to construct this block on the vacant space lying behind the MBA/MCA Department and South Side of SCoE block. The committee resolved that the trees/plants of different species are standing in the pocket is to be removed/replanted by H&L Section for the construction of the above said work. The preliminary cost estimate on plinth area basis for about 1400 sqm. at each floor for G+3 and additional provision of two more floor in future including lifts and other amenities may be obtained from CPWD. The same will be put in the next EAC meeting.

4 **To discuss a letter received from Dean (Academic) vide no. Acad./2022/1260 dated 04.08.2022 regarding space requirement for construction of an Academic Building (New Lecture Hall Complex).**

The request received from Dean (Academic) was discussed in the Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to Dean (Academic) to submit the details of existing and proposed requirement of no. of Lecture Halls/Tutorial Rooms/Drawing Halls so that an early action may be taken accordingly.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No CC/3506/627/4782

Dated 14.10.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: To submit the preliminary cost estimate for the construction of New Computer Engineering Block (G+5) including provision of lifts and other emenities.

The necessary approval has been accorded by the competent authority of the Institute regarding submission of preliminary cost estimate on plinth area basis for about 1400 sqm. at each floor for G+3 and additional provision of two more floors in future including lifts and other amenities for the construction of New Computer Engineering Block (G+5).

In this regard, it is therefore requested to submit the preliminary cost estimate for the above said work so that an early action may be taken accordingly.

This is for your kind information and further necessary action please.

14.10.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Executive Engineer (Elect.), CPWD, 208-D, HSIIDC, Sector-3, Karnal – 132001
6. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office Kurukshetra
7. Assistant Engineer (Elect.), CPWD Sub-Division, NIT Camp Office Kurukshetra

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कुरूक्षेत्र उप–मण्डल, कुरूक्षेत्र

संख्या:– 24(NIT)/स.ई./कु.उ.म./2022/233 दिनांक 19/10/22

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

ESTATE SECTION
Diary No. 1624
Dated 20/10/22.

विषय: **To submit the preliminary cost estimate for the construction of New Computer Engineer Block (G+5) including provision of lifts and other amenities.**

संदर्भ:– Dean Estate office letter no. CC/3506/4782 dated 14.10.2022.

R/sir,

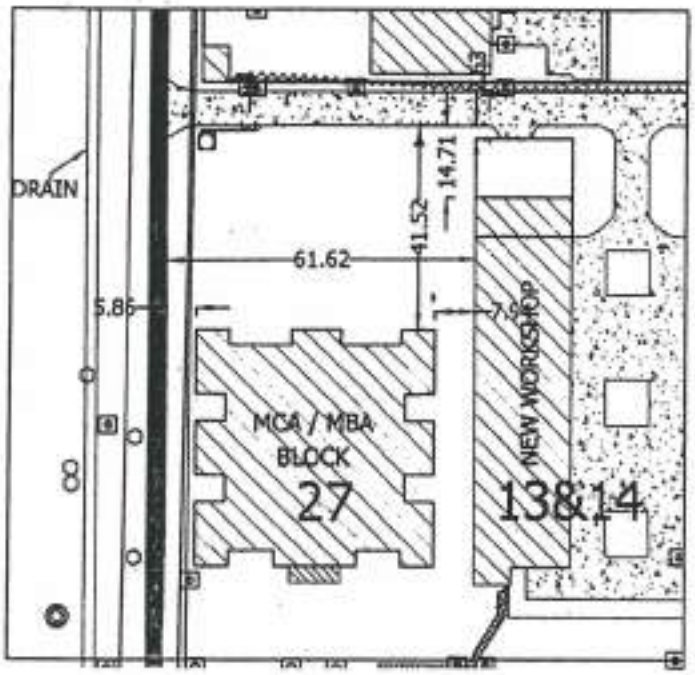
Please refer your above cited letter, the requisition for preparing preliminary estimate for above work have been received for plinth area 1400 sqm' at each floor for (G+3) and additional provision of two more floors in future including lifts and other amenities. In this regard you are requested to please submit location plan so that conceptual drawings/plans may be obtained from CPWD Architect to prepare the preliminary estimate. The details of other amenities mentioned in the letter may please elaborated.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपी:–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल with a request to write a letter to the Chief Architect CPWD for necessary action please.

सहायक अभियन्ता

20/10/2022


DRAIN
14.71
41.52
61.62
5.86
7.99
MCA / MBA
BLOCK
27
NEW WORKSHOP
13&14

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

Appendix 29.5 (ii)

No: CC/3506/12 Dated 06.01.2023

Subject: Construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra (Vide Item No.-6 of EAC meeting held on 06.12.2022)

The matter regarding construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities was discussed in the Estate Affairs Committee meeting held on 06.12.2022. The EAC resolved and recommended that the requirement may be obtained from the computer Engineering & IT Department including provision of lifts & other amenities. So that the same may be conveyed to CPWD for submission of preliminary cost estimate.

In this regard, it is requested to submit the requirement for New Computer Engineering Block (G+5) including provision of lifts and other amenities.

This is for your kind information and further necessary action please.

This is being issued after approval of competent authority of the Institute.

6/1/2023
Associate Dean P&D for (E&C)

HoD, Computer Engineering

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3616/62 [990 Dated: 20.01.2023

To

The Chief Architect,
CPWD, Kendriya Sadan,
Sector -9 A,
Chandigarh-160009

Subject: To submit the conceptual drawings for the construction New Computer Engineering Block (G+5) including provision of lifts & other amenities at NIT Kurukshetra.

Reference: This office letter no. CC/3506/627/4782 dated 14.10.2022

The necessary approval has been accorded by the competent authority of the Institute regarding submission of preliminary cost estimate on plinth area basis of about 1400 sqm. at each floor for construction of New Computer Engineering Block (G+5) including provision of lifts & other amenities

In this regard, it is therefore, requested to submit the conceptual drawings for the above said work at the earliest, so that the cost estimate may be obtained from the Executive Engineer Civil & Elect., CPWD, Karnal.

This is for kind information and further, necessary action please.

20/1/2023
Associate Dean P&D for (E & C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (EM&T)
5. A.E. (Civil), NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001
8. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
9. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
10. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

ESTATE SECTION
Diary No. 244
Dated. 27/1/23

DEPARTMENT OF COMPUTER ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. CO/2023/ 96

Dated: 27.01.2023

Subject: Tentative dimensions for the Space Requirements of Construction of New Computer Engineering Block (G+5)

Ref.: letter No. CC/3506/12 dated 06.01.2023

Please find attached herewith the tentative dimensions for the Space Requirements of Construction of New Computer Engineering Block (G+5) approved by DAC.

27.1.23

Head of Department

27/1/2023

Associate Dean P&D for (E&C)

F/I(E/EC) 27/01/23

A.E/(W)
P/. marked the area required

SE(A)/JE(C) 03/02/23

DEPARTMENT OF COMPUTER ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. CO/2023/95 **Dated: 27.01.2023**

Subject: Tentative dimensions for the Space Requirements of Construction of New Computer Engineering Block (G+5)

The document related to above subject was discussed and finalized in the faculty meeting held on 25.01.2023 at 04:30 PM. The DAC members are requested to consider and approve the same by rotation.

27.1.23

Chairman, DAC

Encls.: Document

Prof. J.K. Chhabra is on leave

Approval of DAC: Approved

27.1.23
(M. K. Murmu)

27-01-2023
(Vikram Singh)

(R.K. Aggarwal)

(S.K. Jain)

Dave 27.1.23
(Mayank Dave)

27.1.23
(A. K. Singh)

COMPUTER ENGINEERING DEPARTMENT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

No: Co/Z 23/

Dated: 25-01-2023

Sub: Tentative dimensions for the Space Requirements of Computer Engineering Department

With reference to letter no. CC/3506/12 dated 06.01.2023 about the proposal of a new building for the additional space requirements of Department of Computer Engineering/IT, please find below the requirements duly approved by DAC. It is submitted that the management of academics and administration will be difficult if Co/IT dept. has scattered space in existing Co dept., Siemens 2nd floor, MCA 2nd floor and the new proposed building.
It is proposed that the new building is made sufficient for at least one department as an independent unit and this is directly dependent on the planning of students intake in Co, in IT and creation of separate IT dept.. Following space requirements are based on B Tech intake of 400 and M Tech intake of 45, combined together for Co & IT, as sent in Feb & Mar 2022. The estimated dimensions are also provided. Faculty seating/rest room area should preferably be kept separate from student area.
It is also proposed that suitable solar panels may be installed on top of the building for energy generation.

Sr. No	Type of Space	Number Needed	Current in Co Dept.	New Allocation in MCA/SCOE block	New/ Addl. Req.	Tentative dimensions (for each of the respective units)	Tentative Amenities List
LABORATORIES							
1.	Labs	22	6	5	**11**	5 labs of 24*41 feet(40-44 students, 50 LAN I/O ports each) 17 labs of 24*20 feet (25-30 students, 35 LAN I/O ports each) Approx. 10 labs should have additional space for small cabins for technical staff	White-Board (4*10 sq. feet), Computer Chairs, Computer Tables with 5A Power Socket, Ceiling Mounted Projectors with Screen, CCTV, LAN Ports, Open Racks, Faculty Table, Faculty Chairs, Notice Board, Air Conditioners, Desktop Computer Systems, CCTV, Vanishing Blinds/Curtains
2.	Project Labs for UG/PG with a capacity of 50 each (one per lecture group)	5	Nil	Nil	**5**	24*45 feet, 55 LAN I/O ports each	

3.	Multipurpose Lab (Computing Facility) Seating capacity of 25-30 Students	1	Nil	Nil	**1**	24*45 feet (24x7 Hrs. open for Computing Purpose etc.), 35 LAN I/O ports	10-PCs, 25-Tables, 35-Chairs,ACs, 25-LAN I/O Ports
4.	Multipurpose Lab	1	Nil	Nil	**1**	48*45 feet (with moveable walls, lightweight podiums, portable projectors that can be used as a computer lab as well lecture room), 65 LAN I/O ports each	
ROOMS							
5.	Space for Sponsored Research projects & Labs with capacity of 20-25 (assuming one shared among five faculty members	23	Nil	Nil	**23**	20 * 30 feet	White-Board (4*10 sq. feet), Computer Chairs, Computer Tables with 5A Power Socket, Ceiling Mounted Projectors with Screen, 30 LAN Ports, Open Racks, 2 Notice Boards, Air Conditioners, Desktop Computer Systems, CCTV, Vanishing Blinds/Curtains
6.	Servers' Room & CCTV surveillance	3	Nil	1	**2**	11*19 feet	Server Racks with KVM Switch, GPU Servers, Rack Servers, Air Conditioners, 600 LAN I/O Ports terminate in each server room via structured cabling, Network Switches, CCTV control panels, Vanishing Blinds/Curtains

7.	Space for UPS	2	Nil	1	**1**	11*19 feet	UPS for load of approx. 3000 PCs, Air Conditioners., 20 LAN I/O ports each
8.	Seminar Rooms (1 per lecture group of 80 students shared among all years)	5+1 for PG	1	Nil	**5**		White Board (4*10 sq. feet), Notice Board , Audio System, Projector with screen, Chairs with Writing Pad, Computer System, Air Conditioners, CCTV, Vanishing Blinds/Curtains, 10 LAN I/O ports each
9.	Conference/Meeting/Expert Lectures Room with capacity of 80 people	4	Nil	1	**3**	1 compulsory + 2 desirable	U-Table with wide intra width Audio/Video Conferencing System with suitable speakers on power backup, Notice Board, Projector with screen, Revolving Chairs, Computer System, White Board (4*10 feet), Air Conditioners, CCTV, Vanishing Blinds/Curtains, 100 LAN I/O ports each
10.	Rooms/Cabins for faculty seating Approx 16 Prof + 32 Associate Prof. + 65 Assistant Prof	113	Approx. 20	5	**88**	14*20 sq. feet (One open slab 2 feet below the ceiling on the one-side to be finalized by onsite discussion.)	Each room will have: Faculty 1 Table / 1 Chair, 4 Visitor Chairs, Desktop PC, White Board, AC, 4 LAN Ports Almirahs, Book Shelf, Power Backup, Vanishing Blinds/Curtains, Wall Clock, 36" LED Display Wi-Fi and Touch enabled

11.	Cabins for PhD scholars (assuming 3 scholars per faculty)	339	4	8	327	Few big rooms having partitions so that each scholar gets 8*10 sq. feet space	Each room will have: Scholar 1 Table / 1 Chair, 2 Visitor Chair, Desktop PC, White Board, AC, 4 LAN Ports Almirahs, Book Shelf, Power Backup, Vanishing Blinds/Curtains
12.	Library, Reading Room & Repository for Thesis & Dissertation	2	Nil	Nil	2	Desirable	Book shelves, 4 Almirahs, Tables and Chairs, AC, 20 LAN I/O ports each
13.	Pantry Room	1-per floor	Nil	Nil	1-per floor	Compulsory	For each pantry room: Microwave Oven, Fridge, Tea/Coffee Vending Machine, Electric kettle & stove, 2 Heating Pans, Wash Basin,
14.	Visitor's/Waiting Room	2	Nil	Nil	2	Compulsory	Centre table with book keeping facility, 10 visitors chairs each, 10 LAN I/O ports each
15.	HOD Room with attached toilet	2	-	-	2	20*24 feet + additional space for attached toilet	Each room will have: 1 Table / 1 Chair, 6-Visitor Chairs, 5-Seater Sofa Set with Center Table, LED Display 56" size, Desktop PC, White Board, AC, 4-LAN Ports, 4-Almirahs, Book Shelf, Paper Shredder, Photo Copier Machine, Power Backup, Vanishing Blinds/Curtains, Wall Clock
16.	Recreational Room/Spaces	2	Nil	Nil	2	24*45 feet (Possibly one room on ground	10 LAN I/O ports each

						floor with first aid facilities)	
17.	Store Room	2	Nil	Nil	**2**	20*20 feet	For Each Room 5-Almirahs, Open Racks on all walls, 2-Tables,4-Chairs, 4 LAN I/O ports each
18.	Kiosk Facility in the Corridors	4-per floor IoT Enabled Interactive Kiosk (for Quick/Standing Browsing etc.)	Nil	Nil	4-per floor IoT Enabled Interactive Kiosk (for Quick/Standing Browsing etc.)		10 LAN I/O ports each
19.	Video Conferencing Studio with Recording facility	1			**1**	14*20 feet	1-PC with touch enabled monitor, Stylus, 32" LED Display, Codec with speaker microphone facility(possibly Cisco room kit), the room should have well acoustics, 8-10 LAN I/O ports each
20.	Documents Storage Room	2			**2**	20*20 feet, Storage facility for old records/answer-sheets etc.	Open Racks along the walls + 6-Steel racks, 5 LAN I/O ports each
21.	Discussion Room	2- per floor			**2-per floor**	10*10 feet Transparent	1-Office table, 6-Chairs, 43" LED Touch Screen White Board, Glass Door, 2 LAN I/O ports each
22.	Miscellaneous & future growth based	Toilets including PH/PWD toilet in each floor for Male/Female, Dept.-offices with photo copier, LAN ports, and 10-15% extra for future, Water Coolers with RO on each floor along with proper drainage.				Compulsory	Corridors will have notice board areas, 4 transparent lifts each of 20 people capacity, 2 sets of Staircases, fire exits, fire extinguishing facility.

23.	Lecture Theatre (It will be better if some lecture rooms are provided in the dept. for UG/PG lectures)	There will be approx. 300-350 lectures in total per week as per current scheme. Assuming occupancy of 5 periods daily per lecture room, there is need of 12-14 lecture rooms in total. At least 3-4 rooms should be of capacity of approx. 150 and others should be of capacity as per lecture group policy of the Institute. Some of these should be given inside the dept. building For good-quality classroom teaching and as per our existing lecture rooms capacity, lecture group of 60-65 will be better than a lecture group of 80-90. Each room should be equipped with adequate no of I/O Ports and amenities like white board, projectors, blinds etc.	
24.	Tutorial Rooms (It will be better if some tut rooms are provided in the dept. for UG students)	There will be approx. 170 tutorials in total (for all years) per week as per current scheme. Assuming occupancy of 5 periods daily per lecture room, there is need of 7 tut-rooms in total. Presently no room is being allocated for tut in the Institute time table. But it is recommended that tut-rooms should exist and some of these should be given inside the dept. building. Each room should be equipped with adequate no of I/O Ports and amenities like white board, projectors, blinds etc.	

Email

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कुरुक्षेत्र उप–मण्डल, कुरुक्षेत्र

संख्याः– 24(NIT)/स.इ./कु.उ.म./2023/27 दिनांक 03/02/2023

ESTATE SECTION
Diary No. 354
Dated 14/02/23

सेवा मे,

14/2/23 कार्यपालक अभियन्ता,
करनाल केन्द्रीय मण्डल,
के.लो.नि.वि करनाल

P/S(E&C) 14/2/23

विषयः **Construction of New Computer Engineering Block (G+5) including provision of lifts & other amenities at NIT Kurukshetra.**

A.E(W) SS(W) 15/2/23 14/2/23

संदर्भः– Associate Dean P&D for (E & C) office letter no. CC/3616/62/290 dated 20.01.2023.

R/sir,

Enclosed please find herewith soft copy of surveyed site layout plan and contour plan for above cited proposed work at NIT Kurukshetra.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः–

1. Chief Architect, office of Special Director General, CPWD, Kendriya Sadan, Sector-9A, Chandigarh with request to release conceptual drawings to prepare preliminary estimate.
2. Superintending Engineer (Civil), CPWD Karnal, HAFED Office Building 2nd floor SCO 19-20, Sector-12(Part-1), Karnal for information and necessary action please.
3. Dean (Planning & Development), NIT Kurukshetra for information and necessary action please.
4. Executive Engineer (Elect.), CPWD Karnal, 208-D, HSIIDC, Sector-03, Karnal for information and necessary action please.

सहायक अभियन्ता

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. CC/3506/631

Dated 14.10.2022

Subject: Construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities (for additional space requirements of Computer Engineering Department) vide EAC meeting Item No.-3(iii), dated 12.09.2022.

The matter regarding construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities (for additional space requirements of Computer Engineering Department) was discussed in the Estate Affairs Committee meeting held on 12.09.2022. The EAC resolved and recommended as under:

> *"The EAC considered the opinion of HoD, Computer Engineering and resolved to propose a new Computer Engineering Block (G+5) equipped with lifts and other amenities to accommodate the increasing strength of students for smooth conduct of their teaching, learning, lab work and research activities. Further, the details of labs and facilities may obtained from Computer Engineering Department. It is resolved to construct this block on the vacant space lying behind the MBA/MCA Department and South Side of ScoE block".*

In the light of the above decision, it is requested to submit the details of labs and facilities related to Computer Engineering Department so that an early action may be taken accordingly.

It is for your kind information please.

This is being issued after approval of competent authority of the Institute.

14.10.2022

Prof. I/C (Estate & Construction)

HoD (Computer Engineering)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)

S. No.	Type of Space	Per Unit Area	Source	Notes
1	Labs with a capacity of 25-30 students each	5 sq m per student	Neufert	150 m2 for 30 students
2	Project Labs for UG/PG with a capacity of 50 each (one per lecture group)			
3	Servers Room & CCTV Surveillance			
4	Space for UPS			
5	Seminar Rooms (1 per lecture group of 80 students shared among all years)	1.90-2.00 m2 per student	Neufert	Space required per student in seminar rooms 1.90-2.00sq m
6	Conference / Meeting / Experts Lecture Room with capacity of 80 people	• 2.5 m2 per seat (without subsidiary areas) Space requirement: 0.3-1.0 m2 per workstation.	Neufert	• A conference area requires about 2.5 m2 per seat (without subsidiary areas) • Space requirement: 0.3-1.0 m2 per workstation. • Areas for storage and staff rooms- a room for technical staff to maintain the facilities; for cleaning staff; storeroom for replacement parts, light, black-/whiteboard, clothing etc. Min. size per room 15 m2
7	Rooms/ Cabins for faculty seating Approx 16 Prof + 32 Assoc + 65 AP	Offices for personnel •Professor : 20-24 m2, •Assistant : 20 m2 • Scientific Assistant : 15 m2, • Secretary : 15 m2 (Double Occupation 20 m2)	Neufert	
8	Cabins for PHD Scholars (assuming 3 scholars per faculty)			
9	Library & Repository for Thesis and Dissertation	Reading places • Width 0.9-1.0 m/ depth 0.8 m •Space required 2.4-2.5 m2 per place •Distance between bookcases 1.50-1.60 m •Space required 1.0-1.2 m2/200 vols	Neufert	
10	Pantry Room		TSS	Work aisle Guide • For 1 person working: 0.6m - 0.9 m (24 -36 inch) • For 2 persons working back to back: 1.06 m (42 inch)
11	Visitor's / Waiting Room	0.8-1 m2 per seat	Neufert	0.8m (2'6") Circulation betweeen edges of chairs and tables/side tables

S. No.	Type of Space	Per Unit Area	Source	Notes
12	Space for Sponsored Research projects & Labs with capacity of 20-25 (assumed one shared among five faculty members)			
13	Misc. and future growth based			
14	Lecture Rooms **	0.8 -1.10 m2	Neufert	The space requirement per student depends on type of seating, desk depth and floor pitch. Per student (including all walking areas), the space requirement is 1.10 m2, in smaller lecture rooms and in a normal situation 0.80-0.95 m2
15	Tutorial Room **			

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3616/ 182/826 Dated 27.02.2023
28

To

The Senior Architect
CPWD, Kendriya Sadan
Sector 9-A, Chandigarh-160009

Subject: To submit the conceptual drawings for the proposed construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

Reference: Vide no. 24(NIT)/AE/KSD/2022/233 dated 19.10.2022 received from Assistant Engineer (Civil), CPWD, Kurukshetra Sub-Division NITK.

In continuation to letter under reference, please find enclosed herewith the details of space requirement for the proposed construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

In this regard, it is therefore requested to issue the conceptual drawings for the above said work, so that an early action may be taken accordingly.

This is for information and further, necessary action please.

28/2/23
Associate Dean P&D for (E&C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (EM&T)
5. A.E. (Civil), NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001
8. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
9. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
10. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

Details of Space Requirement for Proposed New Computer Engineering Block at NIT Kurukshetra

Sr. No.	Type of Space	Additional Requirement	Tentative dimensions (for each of the respect units)/no. of persons
1.	Lab	11	5 labs for 45 students each 6 labs for 30 students each
2.	Project Labs for UG/PG with a capacity of 50 each (one per lecture group)	5	5 labs for 50 students each
3.	Multipurpose Lab (Computing Facility) Seating capacity of 25-30 Students	1	1 labs for 30 students
4	Multipurpose Lab	1	1 labs for 60 students
5.	Space for Sponsored Research projects & Labs with capacity of 20-25 (assuming one shared among five faculty members	23	23 labs for 25 students each
6.	Server Room & CCTV surveillance	2	11x19 feet
7.	Space for UPS	1	11x19 feet
8.	Seminar Rooms (1 per lecture group of 80 students shared among all years)	5	8 Seminar/conference rooms for 80 students each
9.	Conference/Meeting/Expert Lectures Room with capacity of 80 people	3	
10	Rooms/Cabins for faculty seating Approx. 16 Prof. + 32 Associate Prof. + 65 Assistant Prof.	88	Faculty Rooms for Professor/ Associate Professors 44 each
11	Cabins for Ph. D scholars (assuming 3 scholars per faculty)	327	PhD cabins for 339 - 12 = 327
12	Library, Reading Room & Repository for Thesis & Dissertation	2	Department library
13	Pantry Room	1	As required at each floor
14	Visitor's/ Waiting Room along with HoD Cabin	1	For 10 persons
15	HOD Room with attached toilet	1	HOD office
16	Recreational Room/Spaces	2	24x45 feet (Possibly one room on ground floor with first aid facilities)
17	Store Room/ Documents Storage Room	2	20 x 20 feet
18	Kiosk Facility in the Corridors		
19	Video Conferencing Studio with Recording facility	1	14 x 20 feet

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3616/370/1955 Dated: 04.05.2023

To

The Senior Architect,
CPWD, Kendriya Sadan,
Sector -9 A,
Chandigarh-160009

Subject: To submit the conceptual drawings for the proposed construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

Reference: This office letter no. CC/3616/182/826 dated 27/28.02.2023.

In continuation to letter under reference vide which it is requested to issue the conceptual drawings for the above said work.

Therefore, it is once again requested to issue the conceptual drawings for the above said work, so that an early action may be initiated accordingly.

This may please be treated as most urgent.

4/5/23
Associate Dean P&D for (E & C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (E&C)
5. A.E. (Civil), NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001
8. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
9. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

Subject: A meeting with the Hon'ble Director held on 22.05.2023 regarding proposed construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

A meeting was held on 22.05.2023 (Monday) at 10:30 AM with the Hon'ble Director regarding to finalize the space requirement for the **"Proposed construction of New Computer Engineering Block (G+5)"**.

The following were present in the meeting:

1. Dean (P&D)
2. HoD, Computer Engineering
3. Associate Dean P&D for (E&C)
4. Faculty I/C (E&C)

The Committee discussed the input communicated by Shri Kokulla Shridhar, Senior Architect, CPWD Chandigarh, that the available carpet area on each floor of the New Computer Engineering Block (G+5) may be approximately to 700 m². The total carpet area of available for Proposed New Computer Engineering Block, which is a 06-storied structure, may be approximately 4200-4500 m². The requirement of New Computer Engineering Block, which is received from Head of the Department of Computer Engineering, has been reviewed as per the available carpet area (List attached).

The meeting ended with a vote of thanks to the chair.

Associate Dean P&D for (E&C)

Faculty I/C (E&C)

Dean (P & D) 25/05/2023

HoD, Computer Engineering

Registrar I/C 25/05/23

DIRECTOR

1. The new facility, proposed by C&G dept and further reviewed as per available carpet area (4500 sqm) is approved
2. This facility being developed will be judiciously assigned to all computer related Courses, including the new 3 B.Tech programs being launched from Acadyear 2023-24.
3. Extension/raising of additional floors over Existing Comp. Engg building be explored.

26/5/23

D(P&D)249
25/5/2023

REGISTRAR
Dt. 25.05.23

Gmail Associate Dean P&D for E&C <professorinchargeestate@gmail.com>

Re: conceptual drawings for the proposed construction of new Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

1 message

ESTATE SECTION
Diary No. 687
Dated. 24/5/23

Sreedhar Kokkula <saprch.cpwd@gmail.com> Tue, May 23, 2023 at 7:21 PM
To: Associate Dean P&D for E&C <professorinchargeestate@gmail.com>
Cc: sdg-chnd@cpwd.gov.in, Chief Architect Cpwd <ajayria@yahoo.co.in>, SE Karnal Chandra Bhushan Singh <knl-sekcd@cpwd.gov.in>, Executive Engineer Karnal Central Division CPWD Karnal CPWD MO Urban Development <eekcd.knl@cpwd.gov.in>, registrar@nitkkr.ac.in, cpwdknl@yahoo.in, cpwdknl@hotmail.com, "praveen_agg@hotmail.com" <praveen_agg@hotmail.com>, sreedhar1in@yahoo.com, akhilesh 1gautam <akhilesh.1gautam@gmail.com>, deanpnd@nitkkr.ac.in

Sir,
Please find attached covering letter & drawings in PDF format pertaining to the above project .
Regards
Architect -02
for S.A.

On Fri, May 5, 2023 at 11:32 AM Associate Dean P&D for E&C <professorinchargeestate@gmail.com> wrote:

> Dear Sir
> Please find the attached document herewith a subject cited above.
>
> **With Regards**
>
> **Associate Dean P&D for (E&C)**
> **National Institute of Technology,**
> **Kurukshetra**

8 attachments

- **covering letter.pdf** 294K
- **05-Third floor Plan.pdf** 354K
- **03-First floor Plan.pdf** 353K
- **02-Ground floor Plan.pdf** 354K
- **01. Part Layout Plan.pdf** 413K
- **04-Second floor Plan.pdf** 353K
- **06-Fourth floor Plan.pdf** 354K
- **07-Fifth floor Plan.pdf** 356K

भारत सरकार
केन्द्रीय लोकनिर्माणविभाग

कार्यालय मुख्य वास्तुकार
चण्डीगढ़
के० लो० नि० वि०, केन्द्रीय सदन
सैक्टर 9–ए, चण्डीगढ़–160009
दूरभाष सं० 0172–2742711

Office of the Chief Architect,
Chandigarh,
C. P. W. D., Kendriya Sadan,
Sector 9-A, Chandigarh-160009
Phone No. 0172-2742711

e-mail ID: saprch.cpwd@gmail.com

संख्या : CA(SDGCH)/501/2023/ 82-1 दिनांक: 23-05-2023

सेवा में,

Dean (Planning & Development)
NIT Kurukshetra-136119.

Sub: Consruction of proposed Computer Engineering block (G+5) at NIT Kurukshetra.

Ref: 1. Letter No. CC/3616/370/1955 dated 04-05-2023 from associate Dean P&D for (E&S) NIT Kurukshetra.
2. E-mail from O/o EE (C), CPWD, Karnal dated 11.05.2023

With respect to the above mentioned subject, please find enclosed herewith two sets of the following Architectural Preliminary Drawings (A-3 size) of the above project:-

S.No.	Drawing No.	Description of drawing (A3-Size).
01	4361/CA(SDGCH)/501/PD/01	PART LAYOUT PLAN
02	4362/CA(SDGCH)/501/PD/02	GROUND FLOOR PLAN
03	4363CA/(SDGCH)/501/PD/03	FIRST FLOOR PLAN
04	4364CA/(SDGCH)/501/PD/04	SECOND FLOOR PLAN
05	4365CA/(SDGCH)/501/PD/05	THIRD FLOOR PLAN
06	4366CA/(SDGCH)/501/PD/06	FOURTH FLOOR PLAN
07	4367CA/(SDGCH)/501/PD/07	FIFTH FLOOR PLAN

The above drawings are prepared based on your office letter referred above and also as per Site Survey Plan received from the O/o EE(C) CPWD, Karnal by email on dated 11.05.2023

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3616/ 487/2707 Dated: 04.07.2023

To

The Senior Architect
CPWD, Kendriya Sadan
Sector 9-A, Chandigarh-160009

Subject: Proposed construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

Reference: Your office letter no. CA(SDGCH)/501/2023/32 dated 23.05.2023

In continuation to letter under reference the approval of the competent authority of the Institute is hereby conveyed on the following Architectural Preliminary Drawings subject to incorporate the observations in the Architectural Preliminary Drawings is as under for the work of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

Sr. No.	Drawing No.	Description of drawing (A3- Size)
1.	4361/CA(SDGCH)/501/PD/01	Part Layout Plan
2.	4362/CA(SDGCH)/501/PD/02	Ground Floor Plan
3.	4363/CA(SDGCH)/501/PD/03	First Floor Plan
4.	4364/CA(SDGCH)/501/PD/04	Second Floor Plan
5.	4365/CA(SDGCH)/501/PD/05	Third Floor Plan
6.	4366/CA(SDGCH)/501/PD/06	Fourth Floor Plan
7.	4367/CA(SDGCH)/501/PD/07	Fifth Floor Plan
8.	List of drawings of Lift Block, Center of Excellence Block is also enclosed. (G.F., F.F. Plan & Drawing nos.12051 to 12057) 9 Nos.	

The following observations to incorporate in the Architectural Preliminary Drawings						
Sr. No.	Description	Required No.	Required Tentative Dimension given by CoE	Proposed No.	Dimension given in the drawings by Architect CPWD	Remarks
1	Multipurpose Lab (Computing Facility) seating capacity of 25-30 Students)	1	24'x45'	1	23'x23'	Size of Lab be increased as required
2	Seminar/Conference Rooms	4+2=6	40'x40'	8	14.11'x26.3'	Size of Rooms are required to be increased and reduce the nos. of Rooms as required.
3	Faculty Cabins	50	12'x14'	102	8.5'x7.11'	Size of Rooms are required to be increased and reduce the nos. of Rooms as required.
4	Ph.D. Scholar Room	10	24'x20'	16	23'x23'	Only 10 nos. rooms are required

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

5	The roof level of Entrance/Porch may be kept at double storey height.
6	Pantry at all floor should be in a line vertically.
7	Provision of escape gate at the end of the corridor at Ground Floor towards East side along the MBA/MCA Deptt.
8	Provision of connecting path between proposed Computer Engineering Block and SCoE Block be explored at 2nd floor of proposed Computer Engineering Block. For providing the connecting path a passage of width 2 – 2.5mtr. infront of stairs may be extended upto the exterior wall (as shown in preliminary drawings no. 04/12)

This is for information and further, necessary action please.

4/7/23
Associate Dean P&D for (E&C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (EM&T)
5. A.E. (Civil)SG-I, NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Executive Engineer (Civil), Karnal Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001 with the request to submit the preliminary cost estimate for the work as cited in the subject.
8. Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001 with the request to submit the preliminary cost estimate for the work as cited in the subject.
9. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
10. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

BAC meeting held on 7/8/07.2023

	24(NIT)/AE/KSD/2022/213 dated 27.09.2022 regarding the Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains. Work may be expedite	8,16,000/- vide letter no. 20(NIT-KKR)/PS/CD/2023/1197 dated 03.07.2023.	metal logo of the In. may be put up in ensuing B&WC meeting
3 EAC Dec 2022	To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 regarding provision of cycle path parallel to the existing roads.	A letter has been sent to Executive Engineer (Civil & Elect.), CPWD Karnal for submission of the fresh cost estimate for the work of provision of cycle path parallel to the existing roads. (Detail of works attached)	To expedite the matter with CPWD regarding the cost estimate.
6 EAC Dec. 2022	Construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities. Work is in process.	Architect, CPWD, Chandigarh, submit the Architectural Preliminary Drawings vide No. CA(SDGCH) /501/2023/132 dated 23.05.202323. Accordingly, the same was scrutinized by NIT Kurukshetra and found some observations. Further, after approval of the competent authority of the Institute a letter was sent to Senior Architect, CPWD Chandigarh vide no. CC/3616/487/2707 dated 04.07.2023 subject to incorporate the observations in the Architectural Preliminary drawings and Executive Engineer (Civil) & Elect.) are requested to submit the preliminary cost estimate for the said work.	The cost estimate is awaited form CPWD. Further, a reminder may be sent to CPWD for submission of cost estimate for construction of New Computer Engineering Block (G+5). As and when the cost estimate received from CPWD the same may be put up in next B&WC after getting approval from the competent authority of the Institute.
9 EAC Dec. 2022	To discuss the work of providing furniture for two nos. works: (under EWS). i) Additional floor over the existing building of MBA/MCA ii) Pre-feb construction of 2nd floor over the Old MBA Block. Work is in progress	The work has been physically completed. Final inspection will be held shortly.	The final inspection has been fixed on 20.07.2023 for the work of providing furniture for two nos. works: (under EWS). i) Additional floor over the existing building of MBA/MCA ii) Pre-feb construction of 2nd floor over the Old MBA Block.
10 EAC Dec. 2022	To discuss the work of provision of installation of lifts along with toilet facilities for physically challenged	The approval from the competent authority of the Institute for reassessment of locations for provision of	The revised location has to be shared with CPWD after getting approval from

Ref for Dept(E&C) V P 16/9/23

ESTATE SECTION
Diary No. 1647...
Dated..16/9/23..

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता– करनाल
हैफेड ऑफिस बिल्डिंग, द्वितीय तल,
एस.सी.ओ.–19–20, सैक्टर–12 (पार्ट–1)
करनाल–132001

Office of Superintending Engineer - Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001
E-Mail : knl-sekcd@cpwd.gov.in

F(HC) & F(BE) Exm to Examine 20/9/2023

संख्या – 23(NIT-KKR)/अधी–अभि–करनाल/2023/ 913-17 दिनांक – 14/09/2023

सेवा में,

Associate Dean P&D (Estate & Construction)
National Institute of Technology
Kurukshetra-136119

विषय : **Construction of Proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana.**

संदर्भ : आपके कार्यालय का पत्र संख्या : CC/3616/487/2707 दिनांक 04.07.2023.

महोदय,

With reference to above subject, please find enclosed herewith a Preliminary Estimate in duplicate amounting to Rs. 52,40,75,950/- (Fifty Two Crore Forty Lacs Seventy Five Thousand Nine Hundred and Fifty Only) for the subject work for obtaining A/A & E/S of the competent authority. The necessity for preparing the estimate has been explained in history part of the estimate.

It is, therefore, requested to return one copy of Sanctioned Estimate at the time of conveying the administrative approval & expenditure sanction.

Encl : As Above

14.09

अधीक्षण अभियन्ता–करनाल
के.लो.नि.वि. करनाल

प्रतिलिपि :–

1. **विशेष महानिदेशक,** परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
2. **कार्यपालक अभियन्ता (सि.)** के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(NIT-KKR)/यो.शा./क.मं./2023/1508 दिनांक 16.08.2023 एवं सन पत्र संख्या : 1675 दिनांक 06.09.2023 के संदर्भ में सूचनार्थ।
3. **कार्यपालक अभियन्ता (वै.)** के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(7)/क.वै.मं./2023/1357 दिनांक 14.09.2023 के संदर्भ में सूचनार्थ।

अधीक्षण अभियन्ता–करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KD**
Branch: B & R **Sub-Division: KSD**

NAME OF WORK: **Construction of Proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Preliminary Estimate framed by Er. Devendra Singh, Executive Engineer (Civil), Karnal Division & Er. Smt. Savita Ray, Executive Engineer (Elect.) and further processed in the Office of Superintending Engineer-Karnal, CPWD, Karnal for the probable cost of **Rs. 52,40,75,950/-** I/c contingencies.

REPORT

History: This Preliminary Estimate amounting to **Rs. 52,40,75,950/-** I/c 3% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining A/A & E/S by the competent authority. The requisition for the above mentioned work has been received from the Dean (Planning & Development), NIT Kurukshetra vide letter no. CC/3616/487/2707 dated 04.07.2023 along with copy of approved drawings. Hence this Preliminary Estimate has been framed to obtain A/A & E/S by the competent Authority.

Design & Scope: The Preliminary estimate has been prepared on the basis of following drawings issued by the office of Chief Architect, CPWD Kendriya Sadan Sector-9A Chandigarh vide letter no. CA(SDGCH)/501/2023/132 dated 23.05.2023 and additional area have also been incorporated as requested by client department vide letter no. CC/3616/487/2707 dated 04.07.2023.

1. Part Layout Plan - 4361/CA(SDGCH)/501/PD/01
2. Ground Floor Plan - 4362/CA(SDGCH)/501/PD/02
3. First Floor Plan - 4363/CA(SDGCH)/501/PD/03
4. Second Floor Plan - 4364/CA(SDGCH)/501/PD/04
5. Third Floor Plan - 4365/CA(SDGCH)/501/PD/05
6. Fourth Floor Plan - 4366/CA(SDGCH)/501/PD/06
7. Fifth Floor Plan - 4367/CA(SDGCH)/501/PD/07

The Following provisions have been incorporated in this estimate:-

Civil work:

1. The proposed building is G+5 storied with Reinforced cement concrete (RCC) framed structure, floor to floor height of each storey is 4200mm (Discussed with Senior Architect on Telephone on dated 07.08.2023 as storey to storey height is to be taken 4200mm and additional area may be considered for cost estimation which will be provided in the modified drawings) floor wise plinth area statement is as below:-

Sr. No.	Floor	Area mentioned on the drawing	Area calculated	Area taken in PE
1.	Ground Floor	1214.00 Sqm	1245.28 Sqm	1245.28 Sqm
2.	First Floor	1214.00 Sqm	1185.78 Sqm	1185.78 Sqm
3.	Second Floor	1228.00 Sqm	1245.28 Sqm	1245.28 Sqm
4.	Third Floor	1228.00 Sqm	1245.28 Sqm	1245.28 Sqm
5.	Fourth Floor	1228.00 Sqm	1245.28 Sqm	1245.28 Sqm
6.	Fifth Floor	1228.00 Sqm	1245.28 Sqm	1245.28 Sqm
7.	Mummty Area	-	57.26 Sqm	57.26 Sqm
8.	Additional Area requirement by client department vide letter no. CC/3616/487/2707 dated 04.07.2023.	-	460.00 Sqm	460. Sqm

	Total	7340.00 Sqm	7929.44 Sqm	7929.44 Sqm

2. Floor to floor height in Entrance lobby (Double Height) i.e. 8400mm.
3. RCC raft foundation (Ground floor area only).
4. Internal water supply and sanitary installation, external service connection.
5. Internal Cement concrete pavement, Footpath, external sewerage, Filtered water supply lines, rain water harvesting etc.
6. Provision for furniture not taken in this estimate as discussed by the AE in-charge with the client department.
7. Bulk services :- Following is considered as informed by division office.
   a. Water Supply: - Underground water through tube wells including distribution network system is maintained by Institute itself.
   b. Storm water drain :- Existing storm water drain in the campus is connected with the drain maintained by irrigation department of Haryana for disposal of rain water.
   c. Waste disposal are being maintained by client itself.

Electrical work:

1. Internal & External Electrical Installations includingconduiting for Light and Power Points, LAN, telephone conduiting, wiring with FRLS wires, MCB, DBs, Rising Mains, Energy Efficient LED Fittings & Fans, Occupancy Sensor, landscape Lighting ,wiring on work stations and all other miscellaneous associated works and accessories.
2. 2x 250KVA DG Set including AMF Panel set to meet Critical Load requirements.
3. 500 HP VRV/VRF systems.
4. Fire Fighting with Wet Riser system, Fire Extinguishers & Fire Suppression system as per NBC Provisions
5. Manual Fire Alarm with PA system as per NBC provisions.
6. IP based CCTVsystem ,Access control system,IBMS, IP Based EPBAX system.
7. LAN/Wi-Fi on 10 G Backbone for New Computer Engineering Block (G+5)
8. 2 Nos. 13 Passenger Lifts with 1.5 m/s speed including pressurization system for Staircase, Lifts Shaft & Lobby as per NBC Provisions.
9. 300 KVA UPS 3 Phase Input & 3 Phase Output with 30 min backup
10. Water Supply pumps system including control panel, associated valves, piping, switchgears, interconnections etc.
11. Emergency Lighting & Illuminated signage
12. 12 Nos. 120 Litre Storage Water Cooler Cum Purifier
13. Grid interactive Solar Roof top PV system of 100KWp.
14. Electrical Panel, Feeder Pillars, XLPE insulated Cables with HDPE pipes etc. for Electrical power distribution.
15. Up gradation of existing substation no.1 from 2000 KVA TO 5000 KVA (11 kV/0.433 kV substation with 3000 KVA Transformer Capacity i/c one standby).

Specification:

Civil Part: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Electrical Part: Electrical work Internal 2013 and External (Part-I) Amended up to date, CPWD General Specifications for Electrical Works Part-IV- Sub-Station –2013, Generation Specifications for Heating, Ventilation & Air- Conditioning (HVAC)- 2017. CPWD, Generation Specifications for Electrical Works, Part-VI Fire Detection and Alarm System – 2018, Part-V Wet Riser & Sprinkler system-2020.

Obligations of the client department

1. In reference to local body approval for the work of G+10 Hostel building, Client department vide their letter no. CC/3613/624 dated 01.09.2023 has intimated that for local body approvals, Fire NOC and other statutory body approvals etc. institute shall explore any such approval whenever required, at its own level. The matter of approval is considered similar in this estimate also as discussed by AE in-charge with the client and informed by division office, therefore no provision for local body approvals has been taken in the estimate.

2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: **Civil** : Based on PAR-2023.

Elect.: Based on PAR – 2023 & Market Rates.

Method: Through contract after call of tender.

Time:

Pre Construction	:	5 Months
Construction Period	:	15 Months
Total	:	20 Months (After receipt of A/A & E/S or receipt of funds whichever is later)

Cost: Rs. 52,40,75,950/-

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

-Sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

-Sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD-Karnal

GENERAL ABSTRACT OF COST

Name of Work:-	Construction of Proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana.		
S. No.	Description	Amount	Remarks
1	Civil Work	288179240	Annexure- 'A' (As per abstract of Civil)
2	Electrical Work	172790017	Annexure- 'B' (As per Abstract of Elect.)
	Total	**460969257.00**	(X)
	Add EPF & ESIC @ 3.94% on (X)	18162189.00	
	Add 3% Contingencies on (X)	13829078.00	
	Add for Anticipated Increase in the total cost of work @3% as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 from the date of submission of PE to the completion of pre-construction activities. ... @ 3% on (X)	13829078.00	
	Add Add for Anticipated Increase in the total cost of work @3% per Annum as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 for increase during the period of completion of work (15 Months) ... @ 3.75% on (X)	17286347.00	
	Grand Total	**524075949.00**	
	Say	**524075950.00**	

The Preliminary Estimate amounting to Rs. 52,40,75,950/- (Fifty Two Crore Forty Lacs Seventy Five Thousand Nine Hundred and Fifty Only) is submitted to Client Department for obtaining A/A & E/S.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD, Karnal

Annexure -A

Preliminary Estimate (Civil Work)

Name of Work:- Construction of Proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra.

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	BUILDING COST (Specifications as per Annexure-I)					1
1.1	R.C.C. framed structure (upto six storeys)					1.1
1.1.1	Floor height 3.60mtr. (Office/College)	7929.44	sq.mtr.	30820.00	244385341.008	1.1.1
					(A)	
1.2	EXTRA FOR					1.3
1.2.1	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional height) (4.20-3.60/0.30x421=842.00)	7872.18	sq.mtr.	842.00	6626376.00	1.3.2
					(B)	
1.2.2	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only) (2.0 - 1.2)/0.3*230=613	1245.28	sq.mtr.	613.00	763357.00	1.3.4
1.2.3	RCC raft foundation (on ground floor area only)	1245.28	sq.mtr.	12170.00	15155058.00	1.3.6
1.2.4	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./ sqm.	70.00	sq.mtr.	2050.00	143500.00	1.3.9
1.3	Every 0.3mtr.or part thereof, additional/ lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having additional height) (8.40-3.60/0.30x421=6736.00)	59.50	Sqm	6736.00	400792.00	1.3.2
					(C)	
1.4	Every 0.3mtr.or part thereof, lesser height of floor above normal floor height of 3.60mtr./ 3.00mtr. (on areas having lesser height) (2.85-3.60/0.30x421=-1052.50)	57.26	Sqm	-1052.50	-60266.00	1.3.2
					(D)	
	Sub-Total				**267416158.00**	
2	SERVICES					2
2.1	Internal water supply & sanitary installations					2.1
2.1.1	Internal water supply & sanitary installations.(Office/ College)	251354243.00 (A+B+C+D)	100 B.cost	4.00	10054170.00	2.1.1
2.2	External services connections and local body approval charges.					2.2
2.2.1	Civil external services connections.	251354243.00	100 B.cost	1.25	3141928.00	2.2.2
2.3	EXTRA FOR					2.4
2.3.1	Third party quality assurance	251354243.00	100 B.cost	1.00	2513542.00	2.4.4
2.3.2	Consultancy services for designing and planning of project, if out sourced	251354243.00	100 B.cost	1.00	2513542.00	2.4.5
	Sub-Total				**18223182.00**	
3	DEVELOPMENT OF SITE					5
3.1	Internal roads & paths					5.2
3.1.1	Cement concrete pavement with vaccum dewatered concrete	570.00	sq.mtr.	2320.00	1322400.00	5.2.3
3.1.2	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	250.00	sq.mtr.	2960.00	740000.00	5.2.4
3.2	External Sewerage	40.00	metre	3810.00	152400.00	5.3
3.3	Filtered water supply					5.4

3.3	Distribution lines 100mm dia	50.00	metre	1930.00	96500.00	5.4.1
3.4	Rain water harvesting (RWH)	60.00	metre	3810.00	228600.00	5.6
	Sub-Total				2539900.00	
	Total				288179240.00	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure-I

PRELIMINARY ESTIMATE (Electrical Work)

Name of Work :- Construction of Proposed New Computer Engineering Block (G+5) including Provision of lifts and other amenities at NIT Kurukshetra.

S.	Description	Qty.	Unit	Rate	Amount	PAR 2023
	Electrical Provision					
	External service connections and local body approval charges shall be as hereunder or as estimates given by the local body whichever is higher.					
1	Electrical External service connections	251354243.00	100 B.cost	3.75%	9425784.00	2.2.1
2	Internal Electrical Installations	251354243.00	100 B.cost	12.50%	31419280.00	2.3
3	EXTRI FOR:-					
3.1	Power wiring and plugs	251354243.00	100 B.cost	4.00%	10054170.00	2.4.1
3.2	Lightning conductors	251354243.00	100 B.cost	0.25%	628386.00	2.4.2
3.3	Telephone conduits	251354243.00	100 B.cost	0.25%	628386.00	2.4.3
4	FIRE FIGHTING					
4.1	Wet Riser system	7929.44	Per Sqm	890.00	7057202.00	1.5.2
4.2	Fire Extinguishers and Fire Suppression System	1.00	Job	514410.00	514410.00	MR
5	FIRE ALARM SYSTEM					
5.1	Manual Fire Alarm System	7929.44	Per Sqm	280.00	2220243.00	1.6.1
6	LIFTS					
6.1	13- Passengers Lift with power operated centre opening doors and AC variable vatage & variable frequency controls	2.00	Nos.	2155000.00	4310000.00	3.1.4
6.2	Lift Well & Lobby Pressurisation	2.00	Job	104195.00	208390.00	MR
6.3	Staircase Pressurisation	2.00	Job	104874.00	209748.00	MR
7	SUB-STATION EQUIPMENTS					
7.1	Supplying, installation, testing and commissioning of33 kV/0.433 kV or 11 kV/0.433 kV substation equipment comprising HT panel, dry type/Oil type transformers, HT cable, bus trunking from transformer to LT panel, LT panels, automatic power factor correctionpanel, active harmonic filters, TVSS (transient voltage suppression system), SPD (surge protection system), essential panel, earthing, required inter-connections, substation safety equipments including LTcabling from substation to the buildings fed by the substation.(upgrade existing substation no.1 from 2000 KVA to 5000 KVA to cater for future load growth due to Proposed Computer Engineering Block & Academic block (New Lecture hall complex))	3000.00	kVA	9000.00	27000000.00	6.2.1
8	DG SET					
8.1	Supplying ,installation, testing and commissioning of DG sets,AMF panel, bus ducting cables from DG sets to essential panel, DG SET enclosure room sound insulation/ventilation / smoke exhaust as required ,earthing of DG set system, control cabling ,fuel tank/ piping ,DG set exhaust piping /exhaust chimmey as per CPCB norms. civil works connected with DG sets including foundation as required. (For Critical Loads)	500.00	per kVA	11568.00	5780000.00	6.3.1
9	UNINTERRUPTED POWER SUPPLY					
9.1	Supplying,installation,testing and commissioningof online 3 phase UPSsystem with 30 minutes back up including batteries, interconnecting cables, battery racks etc.(50KVA for Each Floor)	300.00	per kVA	21290.00	6387000.00	6.4.1
10	VRV/VRF AC System					
10.1	Supplying, Installation, Testing & Commissioning of VRV/VRF type Air Conditioning in Dining area at 1st floor & Recreation area at 2 nd floor complete etc as required.(80% of the Total area=5872 sqm=391 TR =409 HP)	500.00	Per HP	58480.00	29240000.00	6.6.1
11	SOLAR PHOTO VOLTAIC POWER GENERATION SYSTEM					
11.1	Supplying, installation,testing and commissioning of grid interactive roof top solar photo voltaic power generation system including space frame	100.00	per kWp	58480.00	5848000.00	6.8.1
12	CCTV System					
12.1	Supplying, installation, testing & commissioning of IP based CCTV system for building security comprising of PTZ/Fixed camera, cabling, digital recording, display system and hard ware software support- for indoors only.(60% of the Total area)	4757.66	Per Sqm	210.00	999109.00	6.10.1
13	ACCESS CONTROL SYSTEM					
13.1	Supplying ,installation,testing and commissioning of access control system for building security comprising of controller, E&M locks, reader, smart cards, cabling, recording,display system, hardware and software support as required (Rate applicable only on plinth area of high security area in the building)(60% of the Total area)	4757.66	Per Sqm	220.00	1046686.00	6.11.1
14	IBMS: INTEGRATED BUILDING MANAGEMENT SYSTEM					
14.1	Supplying,installation,testingandcommissioningof integratedbuildingmanagement system for digital/electronic display and monitoring of all E&M systems like substation, DG sets, UPS, solar power, lifts, AC plants, ventilation systems, fire protection systems, pumps etc.toinclude cabling, monitors, recording, display system, hardware, software support (upto 10,000 sqm) (Rate applicable on total plinth area)	7929.44	Per Sqm	430.00	3409659.20	6.12.1
15	LIGHTING AUTOMATION INCLUDING OCCUPANCY SENSORS					
15.1	Supplying, installation, testing and commissioning of lighting automation including occupancy sensors. (60% of the Total area)	4757.66	Per Sqm	220.00	1046686.00	6.14.1
16	LAN SYSTEM					

16.1	Supplying, installation, testing and commissioning of LAN system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (80% of the Total Area)	6343.55	Per Sqm	560.00	3552389.12	6.16
17	IP BASED EPABX SYSTEM					
17.1	Supplying, installation, testing and commissioning of IP based EPABX system comprising of core switches & L2 switches with 10 G, 10 giga SFP modules, industry standard appliance server, cloud-based, enterprise-grade UC solution, MID/ENTRY level IP/SIP phone with dual 1gig ports, racks, CAT 6A cable, patch panels ,OFC etc. (80% of the Total Area)	6343.55	Per Sqm	580.00	3679260.16	6.17
18	Conference hall supplying ,installation ,testing and commissioning of audio visual/conference system (Rate applicable on carpet area of Hall only)(6 nos. x 150 sqm approx)	900.00	Per Sqm	11890.00	10701000.00	6.18
19	EMERGENCY LIGHT & ILLUMINATED SIGNAGES					
19.1	Emergency light & illuminated signages	7929.44	Per Sqm	22.00	174447.68	6.28
20	HYDROPNEUMATIC WATER SUPPLY SYSTEM					
20.1	Supplying, installation, testing and commissioning of hydro pneumatic water supply system consisting of pumps, pneumatic tank, microprocessor based control panel, VFD, inter connecting pipes, valves, cabling, switchgear etc. as required (1200 person x45 litre=54000 litre approx/day)	400.00	per LPM	1640.00	656000.00	6.13.1
21	Supplying, Installation, Testing & Commissioning of 120 Ltr Storage ,Water Cooler Cum Purifier with Seven Stage Reverse Osmosis purification System suitable for operation on 230 VAC,50 HZ complete as required (2 nos. for Each Floor)	12.00	Each	77599.00	931188.00	MR
22	STREET LIGHTING WITH LED					6.19
22.1	Supplying, installation, testing and commissioning of LED street/ compound/ high mast/ pathway/ landscape lighting for the entire campus (Rate applicable on total plotarea). (PLOT AREA-47 m x 28 m approx)	1316.00	per sqm	160.00	210560.00	6.19
23	Extra for PVC Channel,Recessed/Surface conduit ,wiring,6/8 Module PVC Box ,RJ 45outlet ,Cat 6 wire,Racks , Network switch,Patch panel etc for 1200 Nos. Work station for computer Engineering Block	1200.00	Each	4483.00	5379600.00	MR
	Total				172717584.00	
	Add Labour cess (on MR, LS Items)@	1.00%			72433.00	
	Total				172790017.00	

Assistant Engineer-Karnal(Electrical)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

Subject: Construction of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra

The requisition was received from Head of Computer Engineering Department vide No. Co/2022/481 dated 29.07.2022 tentative dimensions for the Space requirements of Computer Engineering Department. The request highlighted that the allocated built-up space for the Computer Engineering Department is not adequate for the current intake of students of the academic programs of the department. The request was put up before the Estate Affairs Committee Meeting held on 12.09.2022 vide item no.-3(iii). The EAC discussed the matter and resolved that a new Computer Engineering Block (G+5) equipped with lifts and other amenities to accommodate the increasing strength of the students should be considered. Further, EAC instructed to obtain the details of labs and facilities from Computer Engineering Department. The new computer block was proposed on the vacant land lying behind the MBA/MCA Department and South Side of SCOE Block. EAC also resolved that the preliminary cost estimate on plinth area basis for about 1400 sqm may be obtained from CPWD.

Accordingly, a letter was sent to Executive Engineer (Civil), CPWD Karnal vide no. CC/3506/627/4782 dated 14.10.2022 for the submission of preliminary cost estimate for the construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities. In response to above a letter was received from Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/233 dated 19.10.2022 regarding to submit the location plan so that conceptual drawings/plan may be obtained from CPWD Architect to prepare the preliminary estimate.

Further, a letter was sent to Head, Computer Engineering vide no. CC/3506/12 dated 06.01.2023 regarding to submit the revised requirement for New Computer Engineering Block (G+5) including provision of lifts and other amenities. The revised requirement was communicated to the Chief Architect, CPWD, Chandigarh vide no. CC/3616/60/290 dated 20.01.2023 for submitting the conceptual drawings for the construction of new Computer Engineering Block (G+5) including provision of lifts & other amenities.

The Head of Computer Engineering again submit the revised space requirements for Construction of new Computer Engineering Block (G+5) approved by DAC vide letter no. Co/2023/96 dated 27.01.2023. Accordingly, the same was conveyed to Senior Architect, CPWD, Chandigarh vide no. CC/3616/182/826 dated 28.02.2023 and CC/3616/370/1955 dated 04.05.2023. In response to above mentioned letter Architectural drawings were submitted by Senior Architect, CPWD, Chandigarh for approval vide no. CA{SDGCH}/501/2023/35 dated 23.05.2023. The same were conveyed to Senior Architect, CPWD, Chandigarh after approval of the competent authority of the Institute vide letter no. CC/3616/487/2707 dated 04.07.2023.

Contd.-Pg. 2/-

Further, the matter was discussed in the Estate Affairs Committee meeting held on 18.07.2023 under the discussion of action taken on previous meetings. The EAC resolved that *"The cost estimate is awaited from CPWD. Further, a reminder may be sent to CPWD for submission of cost estimate for construction New Compute Engineenng Block (G+5). As and when the cost estimate received from CPWD the same may be put up in next B&WC after getting approval from the competent authority of the Institute"*.

Now, the preliminary cost estimate amounting to Rs.52,40,75,950/- for an approximate plinth area of New Computer Engineering Block (G+5) is 7929.44 sqm. has been received from Superintending Engineer, CPWD, Karnal vide No.23(NIT-KKR)/SE-Karnal/2023/913-H dated 14.09.2023 for the construction of proposed New Computer Engineering Block (G+5) including provision of lifts and other amenities at NIT Kurukshetra, Haryana.

In view of the above, if agreed, the Hon'ble Director may accord approval for ~~revised~~ preliminary cost estimate amounting to Rs.52,40,75,950/- for an approximate plinth area of New Computer Engineering Block (G+5). The approval may also be accorded to put up the above said work before the Building & Works Committee in its ensuing meeting.

Submitted for approval please.

A.E. (Civil) SG-I 4/10/2023 | A.E. (Elect.) SG-II 4/10/23 | Assistant SG-I 04/10/23

Associate Dean P&D for (E&C) 5/10/23 | Faculty I/C (E,C&ID) 04/10 | Faculty I/C (EM & T) 5/10/23

Dean (Estate & Construction) 5/10/2023

Registrar I/C 05/10/23

Director 6.10.23

06/10/23

Dean (E&RC)

AE(C)/54-2 6/10/23

EA-II 6/10/23

BWC 29.6 **To consider and approve the Preliminary Cost Estimate for the work of installation of 04 nos. tube wells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra.**

The Water availability/supply issue has been discussed in the Estate Affairs Committee meeting held on 13.07.2021 vide item no.-10, in the meeting it was apprised that the water table is lowering day by day due to scarcity/overuse of ground water. The water table of Tube well No. 5,6 & 9 getting lowered day by day due to scarcity of ground water. At present the depth of water level is about 150-160 feet and the Tube well No. 5 is about to be abandoned due to damage of the bore well. In this regard the EAC recommended that the matter regarding provision of installation of new tube wells along with the capacity of overhead storage tanks as per present and future needs may be taken up with the CPWD. After finalization of the final demands of water in Hostels, Academic Buildings and Residential Area may be incorporated in the Master Plan of the Institute. The plan may be prepared in various phases for implementation.

In this regard the letters were conveyed to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/503/2992 dated 26.08.2021 and reminder No. CC/3506/756/5094 dated 10.12.2021 to explore the provision of installation of new tube wells along with the capacity of overhead/ground storage tanks as per present and future needs. Further, it is also requested to assess the final demands of water in Hostels, Academic Buildings and Residential Area and the same may be incorporated in the Master Plan of the Institute. Copies enclosed as **Appendix 29.6(i) from pages 162 to 164.**

In response to the above a letter has been received from Executive Engineer CPWD Karnal vide No. 24(NIT)/AE/KSD/2021/322 dated 17.12.2021 in which it is requested to submit the basic data to design the new tube wells. Accordingly, the reply was sent to CPWD vide No. CC/3506/199/1070 dated 01.04.2022. Further a letter received from Assistant Engineer (Elect.), CPWD, Electrical Sub Division, NIT, Kurukshetra vide No. 23(1)/AE(E)/NITKESD/2022/62 dated 10.06.2022 in which it is requested to provide the location of bore well and Horizontal and Vertical Head distance from delivery pump so that the pump design may be prepared accordingly. Further after approval of the competent authority the

same was conveyed to the Executive Engineer (Civil) & (Elect) vide letter No. CC/3598/28/206 dated 13.01.2023.

In response to the above the preliminary cost estimate amounting to Rs 3,06,91,800/- has been received from Executive Engineer CPWD Karnal vide No. 23(KKR)/SE-Karnal/2023/223 dated 10.03.2023 for the work of installation of 04 nos. tube wells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra. The cost estimate received from CPWD was put up before the EAC held on 18.07.2023 vide item no.-9. The EAC discussed in detail & deliberated and recommended that the preliminary cost estimate of Rs. 3,06,91,800/- for the above said work may be put up before the ensuing B&WC meeting for necessary approval and the same was approved by the competent authority. Copies enclosed as **Appendix 29.6 (ii) from pages 165 to 194**.

The Building & Works Committee may *consider and approve the preliminary cost estimate for an amount of Rs 3,06,91,800/- for the work of installation of 04 nos. tube wells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra.*

EAC minutes of meeting held on 13.07.21.

10 Any other item.

Further, the water availability/supply issue has been discussed. In this regard it was apprised the water table is lowering day by day due to scarcity/overuse of ground water. The water table of Tubewell No. 5, 6 and 9 getting lowered day by day due to scarcity of ground water. At present the depth of water level is about 150-160 feet and the Tubewell No. 5 is about to be abandoned due to damage of the bore well. Further, the matter regarding implementing the intermittent water supply in the Institute was also discussed.

It was decided that before implementation of intermittent water supply in the Institute Campus, the requirement of storage in the Hostels, Academic Buildings and Residential Area may be explored by the Estate Section. Further, EAC recommends that the matter regarding provision of installation of new tubewells alongwith the capacity of overhead storage tanks as per present and future needs may be taken up with the CPWD. After finalization of the final demands of water in Hostels, Academic Buildings and Residential Area may be incorporated in the Master Plan of the Institute. The plan may be prepared in various phases for implementation.

Submitted for kind consideration & approval please.

Faculty I/C (S&C)

A.E. (Civil)

A.E. (Elect.)

Point no 6 may be kept for considering some economical alternate from the point of Utility and environment.

Faculty I/C (E&C)

Faculty I/C (H&L)

Faculty I/C (EM & T)

Professor- I/C (E&C) 15.07.21

Dean (P&D) & Chairman (EAC) Point 6 above may be kept pending as per the remarks of Faculty I/c (H&L). 15/7/21

Registrar I/C 15/07/21

Registrar Office
Dairy No. 940
Dt. 15.07.21

Director Please discuss.

Dean P&D Discussed.
The Estate Affair Committee Minutes/Recommendations above are summarized below for consideration please.

(a) Routine items no. : 1, 2, 10

(b) New Works for which CPWD estimates were obtained after approval of works and ~~&~~ : items - 3, 5, 6, 7, 8 and 9.

D(P&D)/197
13/8/2021

Director 13/8/21

13/8/21

1122
13.8.21

Dean (P&D) 12/08/21

PI (E&C) 13/8/21

For I/c (E&C)

Form no. P1

18/8/21

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/503 | 8995 Dated 26.08.2021

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Provision of installation of new tubewells alongwith the capacity of overhead/ ground storage tanks in the Institute.

This is to inform you that the matter regarding implementation of intermittent water supply and provision of installation of new tubewells alongwith the capacity of overhead/ground storage tanks in the Institute was discussed in the Estate Affairs Committee meeting of the Institute held on 13.07.2021.

In this regard, it is also intimated that there are two nos. overhead water storage tanks of capacity 2.25 Lacs and 1.5 Lacs ltrs. available in the Institute. The water table of Tubewell no. 5, 6 & 9 is getting lowered day by day due to scarcity of ground water. At present the depth of water level is about 150-160 feet and the tubewell no.-5 is about to be abandoned due to damage of the bore well. Therefore, it was decided that before implementation of intermittent water supply in the Institute, the requirement of storage in the Hostels, Academic Buildings and Residential Area may be worked out.

It is therefore, requested to explore the provision of installation of new tubewells alongwith the capacity of overhead/ground storage tanks as per present and future needs. Further, it is also requested to assess the final demands of water in Hostels, Academic Buildings and Residential Area and the same may be incorporated in the Master Plan of the Institute.

This is for information & further necessary action please.

26.08.2021

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Elect.), CPWD, Electrical Sub-Division, NIT Camp Office
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
6. Executive Engineer (Elect.), CPWD Karnal Central Electrical Division, 208-D, HSIIDC, Sector-3, Karnal - 132001
7. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
8. PS to Registrar for information of the Registrar
9. PS to Director for kind information of the Hon'ble Director

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

Reminder

No: CC/3506/756/5091 Dated 10.12.2021

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Provision of installation of new tubewells alongwith the capacity of overhead/ ground storage tanks in the Institute.

Reference: Letter vide no. CC/3506/503/2992 dated 26.08.2021.

In continuation to letter under reference, vide which it was intimated that the matter regarding to take up the provision of installation of new tubewells alongwith the capacity of overhead/ground storage tanks as per present and future needs of staff and students in the institute. After finalization of the demands of water in Hostels, Academic Buildings and Residential Area, the same may be incorporated in the Master Plan of the Institute.

In this regard no information has been received in this office, so far. Now, it is once again requested to expedite in the matter as mentioned above.

An early action in this regard is highly appreciated.

10.12.2021

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. PS to Registrar for information of the Registrar
7. Assistant Registrar to Director for kind information of the Hon'ble Director

JE (C)
10/12/21

ESTATE SECTION Appendix 29.6 (ii)

Diary No. 1216
Dated 17/12/21

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कुरूक्षेत्र उप–मण्डल, कुरूक्षेत्र

संख्याः– 24(NIT)/स.ई./कु.उ.म./2021/322 दिनांक 17/12/21

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

विषयः– Provision of installation of new tubewells alongwith the capacity of overhead/ground storage tanks in the Institute.

संदर्भः– Your office letter no. CC/3506/503/2992 dated 26.08.2021 & CC/3506/756/5094 dated 10.12.2021.

With reference to above cited subject, your office has asked for the following provisions.

a) Installation of new tubewells.
b) Design & Execution of intermittent water supply scheme in the Institute.

In this regard you are requested to submit the below mentioned basic data to design the above mentioned features:-

(i) Details of water supply demands for all buildings in the institute i.e. Academic buildings, Hostel Buildings & Residential Buildings mentioning categorically the capacity/No. of users, building height, existing overhead storage system if any, on each building, feasibility of overhead storage system.
(ii) Detail of existing overhead storage tank mentioning capacity, height of storage tank, year of construction & present condition of the tank.
(iii) Detail of existing sump/underground storage tank (if any) mentioning capacity, year of construction and present condition of tank.
(iv) Approximate future water supply demand.
(v) Period and interval of intermittent water supply scheme.
(vi) Detail of existing tubewells mentioning year of installation, dia of bore well, depth of bore well & yield/discharge capacity and existing day to day present output with pumping hours.
(vii) Detail of existing net work of water supply lines.
(viii) Existing water supply demand for horticulture in the campus, whether it is met out from the existing water supply arrangement or from any other source. The available treated water from STP can be utilized in the form of unfiltered water supply for horticulture to avoid the scarcity of filtered water supply.

You are therefore requested to provide above details to explore the provision of installation of new tubewells, Design & Execution of intermittent water supply scheme in the Institute including overhead/underground storage.

सहायक अभियन्ता,
कुरुक्षेत्र उप-मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः– कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को सुचनार्थ हेतु।

सहायक अभियन्ता

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3506/199 | 1070 Dated: 01-04-2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Provision of Installation of new tubewells alongwith the capacity of overhead/ ground storage tanks in the Institute.

Reference Letter no. 24(NIT)/AE/KSD/2021/322 dated 17.12.2022.

In continuation to letter under reference, the point wise reply is enclosed herewith regarding provision of Installation of new tubewells alongwith the capacity of overhead/ ground storage tanks in the Institute.

This is for information and further necessary action please.

Encls: Page 1 to 8

31.03.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Dean (P&D)
3. Assistant Engineer (Civil), CPWD, NIT Camp Office, Kurukshetra
4. Superintending Engineer (Civil), CPWD, Kamal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12 (Part-I), Kamal-132001
5. PS to Registrar for kind information of Registrar
6. AR to Director for kind information of the Hon'ble Director

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

(14)

Sr. No.	Description	Reply
i	Details of water supply demands for all buildings in the Institute i.e. Academic buildings, Hostel Buildings & Residential Buildings mentioning categorically the capacity/No. of users, building height, existing overhead storage system if any, on each building, feasibility of overhead storage system.	Details are attached as Annexure-I
ii	Detail of existing overhead storage tank mentioning capacity, height of storage tank, year of construction & present condition of the tank	Details are attached as Annexure-II
iii	Detail of existing sump/underground storage tank (if any) mentioning capacity, year of construction and present condition of tank.	Details are attached as Annexure-III
iv	Approximate future water supply demand	50% future water supply demand of present water supply demand is required. So to cope up the future demand at least 4 nos. new tubewells are required to be installed.
v	Period and interval of intermittent water supply scheme	Details are attached as Annexure-IV
vi	Detail of existing tubewells mentioning year of installation, dia of bore well, depth of bore well & yield/discharge capacity and existing day to day present output with pumping hours.	Details are attached as Annexure-IV
vii	Detail of existing network of water supply lines.	The details of work already with CPWD, because the work of replacement of C.I/A.C water supply lines with Centrifugally cast (spun) Iron Pipes Class L.A. in the residences, Hostels & Instructional Building has already been executed by CPWD in the year of 2015
viii	Existing water supply demand for horticulture in the campus, whether it is met out from the existing water supply arrangement or from any other source. The available treated water from STP can be utilized in the form of unfiltered water supply for horticulture to avoid the scarcity of filtered water supply.	Presently the Horticulture section is using the treated water from STP through Oxidation pond as well as fresh water supply as per requirement. However, the design has already been approved for laying of water lines to use treated water supply from STP to dual flushing system in 600 seater girls hostel, 300 seater multi-purpose boys hostel, Mega Boys Hostel and for Horticulture purpose in the NITK

ANNEXURE-I

Water Supply Demand data & Nos. Of floors Of Exsiting Building at NIT, Kurukshetra.

Sl.No.	Name of Building	Plinth Area All Floors in Sqm	No Of Storey	Year of Construction	Building Height	Existing over Head Storage System	Remarks	No. of users
	INSTRUCTIONAL BUILDINGS							
1	Old Admin Block	6261.92	G+2	1967	11.75	Available	Partly connected with fresh water supply and partly with OHWT	
2	Electrical Engineering Block	4689.13	G+2	1968	13.85	Available	Partly connected with fresh water supply and partly with OHWT	
3	Extension of Labs in EED	684.86	G+2	2002				
4	Mechanical Engineering Deptt	1127.06	Single Storey	1968	5.10	Available	Partly connected with fresh water supply and partly with OHWT	
5	Extension of Labs in MED	418.21	Single Storey	2001				
6	Civil Engg. Deptt	1127.06	Single Storey	1968	5.10	Available	Partly connected with fresh water supply and partly with OHWT	
7	Extension of Labs CED	451.67	Single Storey	2001				
8	Civil Engg. Deptt AM Block	1127.06	Single Storey	1968	5.10	Available	Partly connected with fresh water supply and partly with OHWT	
9	Extension of Labs in AM Block	678.35	Single Storey	2001				
10	Old Examination Cell AB Block (ED Cell)	1245.42	SingleStorey	1968	5.10	Available	Partly connected with fresh water supply and partly with OHWT	
11	Work shop Complex part I	4145.20	Single Storey	1968	5.30	Available	Partly connected with fresh water supply and partly with OHWT	
12	Work shop Complex part-II	5155.11	Single Storey	1968				
13	New Equipment Shop at Workshop GF	1560.00	Single Storey	2005	10.55	Available	Partly connected with fresh water supply and partly with OHWT	
14	Class Room Laboratories and Office Rooms at FF	1560.00	Double Storey	2008				
15	Old Liberary	1987.13	Double Storey	1978	9.02	Available	Partly connected with fresh water supply and partly with OHWT	
16	New Library	2034	Double Storey	2002				
17	EC & CE Department	1809.32	Double Storey	1987	7.70	Available	Partly connected with fresh water supply and partly with OHWT	
18	Old CCN Block (GF)	564.46	Single Storey	1998	7.70	Available	Partly connected with fresh water supply and partly with OHWT	
19	Extension of CCN Block (Labs) at GF & FF	1752	Double Storey	2002				
20	Examination Hall	1878.81	Double Storey	2001	8.60	Available	Partly connected with fresh water supply and partly with OHWT	
21	Student Activity Centre	487.53	Single Storey	1987	3.30	Available	Partly connected with fresh water supply and partly with OHWT	
22	Cycle/Scooter Stand	300	Single Storey	1989	3.50	Not Available		
23	Computer Engg. Deptt	2104.51	Double Storey	2002	9.02	Available	Partly connected with fresh water supply and partly with OHWT	
24	Lecture Theatre Complex 6 Nos.	1239.68	Double Storey	2002	10.20	Available	Partly connected with fresh water supply and partly with OHWT	
25	Senate Hall	1532.43	Double Storey	2002	7.75	Available	Partly connected with fresh water supply and partly with OHWT	
26	Lecture Theatre Complex 12 Nos.	3298.24	Double Storey	2009	10.20	Available	Partly connected with fresh water supply and partly with OHWT	
27	MBA & MCA Deptt	3503.66	Double Storey	2010	8.61	Available	Partly connected with fresh water supply and partly with OHWT	6000
28	Estate Dept. & Store	1156.08	Single Storey	1971	4.00	Available	Partly connected with fresh water supply and partly with OHWT	
29	New Admin Block	3825	G+2	2013	16.20	Available	Partly connected with fresh water supply and partly with OHWT	
30	Open Air Theater	1560	Basement + 1	2013	7.20	Available	Partly connected with fresh water supply and partly with OHWT	
31	Swimming Pool	2909.74	Single Storey	2014	6.60	Not Available	Connetad with fresh water supply	
32	NIT Main Gate Kirmich Road Side	31.14	Single Storey	2014	6.70	Not Available		
33	Parking 2 nos.	2450.00	Single Storey	2013	4.2	Not Available		
34	Sub Station Near CCN	146.74	Single Storey	2013	4.20	Available	Partly connected with fresh water supply and partly with OHWT	
35	Sub Station Near Girl Canteen	52.71	Single Storey	2013	4.75	Available	Partly connected with fresh water supply and partly with OHWT	

-2-

36	Sub-station Near Hostel No. 2	135.6	Single Storey	2013	4.85	Available	Partly connected with fresh water supply and partly with OHWT
37	Metering Room Near Main Gate along Kirmich Road	35.42	Single Storey	2013	4.20	Not Available	
38	Shopping Complex Bank-cum-post office	836.57	Double Storey	2001	8.70	Available	Partly connected with fresh water supply and partly with OHWT
39	GoI Canteen	635.44	Single Storey	1987	3.10	Available	Partly connected with fresh water supply and partly with OHWT
40	Jubilee Hall	455.21	Single Storey	1990	11.90	Available	Partly connected with fresh water supply and partly with OHWT
41	Old Guest House	717.75	Single Storey	1972	4.30	Available	Partly connected with fresh water supply and partly with OHWT
42	Extension of Guest House	1108.33	Double Storey	2011	6.70		Partly connected with fresh water supply and partly with OHWT
43	old Health Centre	215.75	Single Storey	1978	3.30	Available	Partly connected with fresh water supply and partly with OHWT
44	Extension of Health Centre	238.43	Single Storey	2002	3.30		Partly connected with fresh water supply and partly with OHWT
45	Addional Block of Health Centre	242.28	Single Storey	2013	6.40		Partly connected with fresh water supply and partly with OHWT
46	Sports Complex	547.71	Single Storey	1995	6.30	Available	Partly connected with fresh water supply and partly with OHWT
47	Indoor Badminton Hall	406.28	Single Storey	2010	11.28	Not Available	
	TOTAL PLINTH AREA	70272.61					

No.	Name of Building	Plinth Area All Floors in Sqm	No Of Storey	Year of Construction	Building Height	Exsisting over Head Storage System	Remarks	No. of users
			HOSTEL BUILDINGS					
48	Girls Hostel (Old) 120 capacity	1492.66	Single/Double Storey	1980	8.3	Available	Partly connected with fresh water supply and partly with OHWT	
49	Girls Hostel 200 capacity	2985	Double Storey	1988	10.05	Available	Partly connected with fresh water supply and partly with OHWT	
50	Girls Hostel 300 capacity	8471.34	G+3	2011	13.30	Available	Partly connected with fresh water supply and partly with OHWT	
51	Girls Hostel 600 capacity	21541	G+5	2016	18.90	Available (88000)	Partly connected with fresh water supply and partly with OHWT	
52	Hostel No. 1 (2 blocks)	4964.2	G+2	1967	9.65	Available	Partly connected with fresh water supply and partly with OHWT	
53	Hostel No. 2 (2 blocks)	4964.2	G+2	1967	9.65	Availble	Partly connected with fresh water supply and partly with OHWT	
54	Hostel No. 3 (2 blocks)	4964.2	G+2	1967	9.65	Available	Partly connected with fresh water supply and partly with OHWT	
55	Hostel No. 4 (3 blocks)	4964.64	G+2	1968	9.65	Available	Partly connected with fresh water supply and partly with OHWT	
56	Hostel No. 5 (3 blocks)	4964.64	G+2	1968	9.65	Available	Partly connected with fresh water supply and partly with OHWT	
57	Hostel No. 6 (3 blocks)	6201.55	G+2	2001	9.65	Available	Partly connected with fresh water supply and partly with OHWT	7000
58	Hostel No. 7 (4 blocks)	12365.84	G+3	2008	13.30	Available	Partly connected with fresh water supply and partly with OHWT	
59	Hostel No. 8 (4 blocks)	12365.84	G+3	2009	13.30	Available	Partly connected with fresh water supply and partly with OHWT	
60	Hostel No. 9 (4 blocks)	12365.84	G+3	2009	13.30	Available	Partly connected with fresh water supply and partly with OHWT	
61	Hostel No. 10 (2 blocks)	39285	G+5	2012	23.7	Available	Partly connected with fresh water supply and partly with OHWT	
62	Hostel No. 11 (2 blocks)	15675	G+5	2012	22.85	Available (72000)	Partly connected with fresh water supply and partly with OHWT	
63	Old Bearer Barracks (10nos.)	1700.07	Single Storey	1971	3.30	Available	Partly connected with fresh water supply and partly with OHWT	
64	Bearer Barracks Extension (3 nos.)	510.02	Single Storey	2002			Partly connected with fresh water supply and partly with OHWT	
65	New Bearer Barracks Quarter	1637.55	G+2	2014	10.35	Available	Partly connected with fresh water supply and partly with OHWT	
	TOTAL PLINTH AREA	161419.59						

- 4 -

Sr. No.	Name of Building	Plinth Area All Floors in Sqm	No Of Storey	Year of Construction	Building Height	Existing over Head Storage System	Remarks	No. of users
	STAFF QUARTERS							
66	G-Type Residence 1 to 21	932.61	Double Storey	1971	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
67	G-Type Residence 34-66	1465.53	Double Storey	1971	7.20			
68	G-Type Residence 67-102	1598.78	Double Storey	1971	7.20			
69	MG 1-2	88.82	Single Storey	1990		Avilable	Partly connected with fresh water supply and partly with OHWT	
70	F -Type Residence 1-11	751.80	Double Storey	1978	6.25	Avilable	Partly connected with fresh water supply and partly with OHWT	
71	F-Type Shed & Residence 13-60	2756.60	Double Storey	1978	6.87			
72	F -Type Residence 61-72	751.80	Double Storey	1978	7.68			
73	F-Type Residences 73-80	501.20	Double Storey	1998	7.68			
74	MF 1-2	125.90	Single Storey	1990		Avilable	Partly connected with fresh water supply and partly with OHWT	
75	E-Type Residence 1-12	941.64	Double Storey	1971	8.16	Avilable	Partly connected with fresh water supply and partly with OHWT	
76	E-Type Residence 13-24	941.64	Double Storey	1971	8.16			
77	DB Type Residence 1-12	1016.64	Double Storey	1971	7.10	Avilable	Partly connected with fresh water supply and partly with OHWT	
78	DB-Type Residence 13-40	2372.16	Double Storey	1971	7.10			
79	DB-Type Residence 41-68	2372.16	Double Storey	1971	7.10			
80	DA-Type Residence 1-9	908.74	Single Storey	1975	4.30	Avilable	Partly connected with fresh water supply and partly with OHWT	
81	DA-Type Residence 10-15	659.16	Single Storey	1998	3.60			
82	AO (A) Type 1-4	578.44	Single Storey	1990	3.80	Avilable	Partly connected with fresh water supply and partly with OHWT	
83	AO (B) Type 5-6	219.72	Single Storey	1998				
84	CC-1 to CC-12	1630.56	Double Storey	1975	7.50	Avilable	Partly connected with fresh water supply and partly with OHWT	
85	CB-1 to CB-5	716.55	Double Storey	1973	5.50	Avilable	Partly connected with fresh water supply and partly with OHWT	2200
86	CB -6 to CB-9	580.68	Single Storey	1991	4.20	Avilable		
87	CA-Type Residence 1-7	1113.77	Double Storey	1973	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
88	CA-Type Residence 8-13	954.86	Double Storey	1973	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
89	BC- Type Residence 1-8	925.65	Single Storey	1973	4.35	Avilable	Partly connected with fresh water supply and partly with OHWT	
90	BB- Type Residence 1-8	1473.6	Double Storey	1977	7.38	Avilable	Partly connected with fresh water supply and partly with OHWT	
91	BB-Type Residence 9-16	1383.4	Single Storey	1991	4.35	Avilable	Partly connected with fresh water supply and partly with OHWT	
92	BT- Type Residence 101-104,201-204,301-304, 401-404, 501-504	6146.11	G+5	2013	26.16	Avilable	Partly connected with fresh water supply and partly with OHWT	
93	CT-Type Residence 101-104,201-204,301-304, 401-404, 501-504	4916.89	G+5	2013		Avilable	Partly connected with fresh water supply and partly with OHWT	
94	BA-Type Residence 1-6	1345.02	Double Storey	1975	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
95	A-1 Residence	209.11	Single Storey	1971	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
96	A-1 Residence Extension	102.05	Double Storey	2008	7.20	Avilable	Partly connected with fresh water supply and partly with OHWT	
97	31 Nos Garages in various houses	481.78	Single Storey	2005	2.80	Avilable	Partly connected with fresh water supply and partly with OHWT	
98	Faculty House	1096.88	Double Storey	1990	6.40	Avilable	Partly connected with fresh water supply and partly with OHWT	
	TOTAL PLINTH AREA	42140.03						15200

Annexure-III

Details of exsisting Overhead Storage Tank

Sr. no.	Source	Capacity	Year of Construction	Height of tank (In Meter)	Present Condition
1	Over Head Storage tank no 1	150000 ltrs.	1970	24.90	In Use
2	Over Head Storage tank no 2	225000 ltrs.	2000	28.13	In Use

(8)

Annexure III

Details of exsisting Sump/ undergound Storage Tank

Sr. no.	Source	Capacity	Year of Construction	Depth of tank	Present Condition
1	BT CT TYPE	57400 ltrs	2014	2 m	In use
2	KCGH	250000 ltrs	2016	-	In use
3	Hostal No 11	100000 ltrs	2018	-	In use

Annexure-IV

Details of existing Tubewells

Sr. No.	Source of supply (Bore wells)	Capacity of Submersible pumps With Motor	Year of installation	Dia of Bore Well	Depth of Bore well	Yield/ Discharge Capacity	Running Hours/ Day	Running Time	Remarks
1	Tube well no 5	30 HP	more than 30 years ago	13"	450'	1500 lpm	15 Hours/Day	5:00 Am to 10:00 Pm Rest/ Break Time 02:00 Hours	Presently these tubewells are in operation and further, there is no scope for lowereing of delivery pipes, due to low water table and these tubwells are likely to be abandoned .
2	Tube well no 6	35 HP	more than 30 years ago	13"	450'	1650lpm	15 Hours/Day	5:00 Am to 10:00 Pm Rest/ Break Time 02:00 Hours	
3	Tube well no 7	30 HP	2004	11"	600'	1500 lpm	15 Hours/Day	5:00 Am to 10:00 Pm Rest/ Break Time 02:00 Hours	
4	Tube well no 8	35 HP	2010	11"	600'	1650 lpm	15 Hours/Day	5:00 Am to 10:00 Pm Rest/ Break Time 02:00 Hours	
5	Tube well no 9	35 HP	2010	11"	600'	1650 lpm	15 Hours/Day	5:00 Am to 10:00 Pm Rest/ Break Time 02:00 Hours	

(18)

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

ESTATE SECTION
Diary No. 829
Dated 10/06/22

सहायक अभियंता (वै०)
एन.आई.टी. कुरुक्षेत्र वैद्युत उपमण्डल
केन्द्रीय लोक निर्माण विभाग,
एन.आई.टी.,कुरुक्षेत्र।
फोन: 01744.239331

Assistant Engineer (E)
NIT Kurukshetra Elect. Sub-Division
Central Public Works Department,
NIT, Kurukshetra.
Ph.01744-239331

संख्याः 23(1) /सहा.अभि.(वै)/एन.आई.टी.कुरु.वै.उ.मं./2022/ 62 दिनांकः 10/06/2022

सेवा में,

प्रोफैसर इन्चार्ज (ई. एण्ड सी.)
राष्ट्रीय प्रोधौगिकी संस्थान,
कुरुक्षेत्र।

Fac Yg (CE&C), Fac Ic (EM & T)
A.E.(W)
Dr/m
Declare 10/6/22

विषयः- **Provision of Installation of new tubewells alongwith the capacity of ocerhead / ground storage tanks in the Institute.**

सन्दर्भः- आपके कार्यालय का पत्र संख्या CC/3506/199/1070 दिनांक 01/04/2022

महोदय,

संदर्भित विषय के सम्बन्ध में सहायक अभियन्ता (सिविल), कुरुक्षेत्र उपमण्डल, कुरुक्षेत्र के कार्यालय से पत्र संख्या 24(NIT)/स.ई./कु.उ.मं./2022/106 दिनांक 10/05/2022 (छायाप्रति सलंग्न) प्राप्त हुआ है जिसमें उनके द्वारा चार नए बोर वैल के लिए सबमर्सिबल पम्प डिज़ाईन करने के लिए आग्रह किया गया है। आपसे निवेदन है कि बोर वैल की लोकेशन तथा पम्प की डिलीवरी से Horizontal तथा Vertical Head की दूरी के बारे में इस कार्यालय को अवगत कराएं ताकि उसी अनुसार पम्पों को डिज़ाईन किया जा सके।

सहायक अभियन्ता(वै०),
एन.आई.टी. कुरुक्षेत्र वैद्युत उपमंडल,
के०लो०नि०वि०, एन.आई.टी. कुरुक्षेत्र।

प्रतिलिपिः- 1. कार्यपालक अभियन्ता (वि.), करनाल विद्युत मण्डल, के.लो.नि.वि., करनाल को सूचनार्थ हेतू प्रेषित।
2. सहायक अभियन्ता (सि.), कुरुक्षेत्र उपमंडल, के.लो.नि.वि., कुरुक्षेत्र को उनके कार्यालय के पत्र संख्या 24(NIT)/स.ई./कु.उ.मं./2022/106 दिनांक 10/05/2022 के सम्बन्ध में सूचनार्थ।

सहायक अभियन्ता(वै०),

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3598/28/206 Dated 13.01.2023

To

The Executive Engineer (Civil),
Karnal Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001

The Executive Engineer (Elect.),
Karnal Central Electrical Division, CPWD,
208-D, HSIIDC, Sector-3,
Karnal-132001

Subject: Provision of installation of new tube wells along with the capacity of overhead/ground storage tanks in the Institute.

Reference: Vide no. 23(1)/AE(E)/NITKESD/2022/62 dated 10.06.2022 Assistant Engineer (Elect.), CPWD, Electrical Sub-Division, NIT Kurukshetra.

In continuation to letter under reference, it is intimated that a survey report has been prepared regarding abandoned, running of existing tube wells and location for installation of four nos. new tube wells along with Horizontal distance between the proposed tube wells and vertical head of 35 meter as shown in the Institute Master Layout Plan (copy enclosed). Further, the dia of borehole and delivery pipe etc. may be referred as per the details attached same as per the existing system of pipeline.

In this regard, it is therefore, requested to submit the cost estimate for the provision of installation of new tube wells along with the capacity of overhead/ground storage tanks in the Institute. So that an early action may be taken accordingly.

This is for information and further, necessary action please.

13/1/2023
Associate Dean P&D for (E & C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Faculty I/C (EM&T)
5. A.E. (Civil), NITK
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office
8. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office

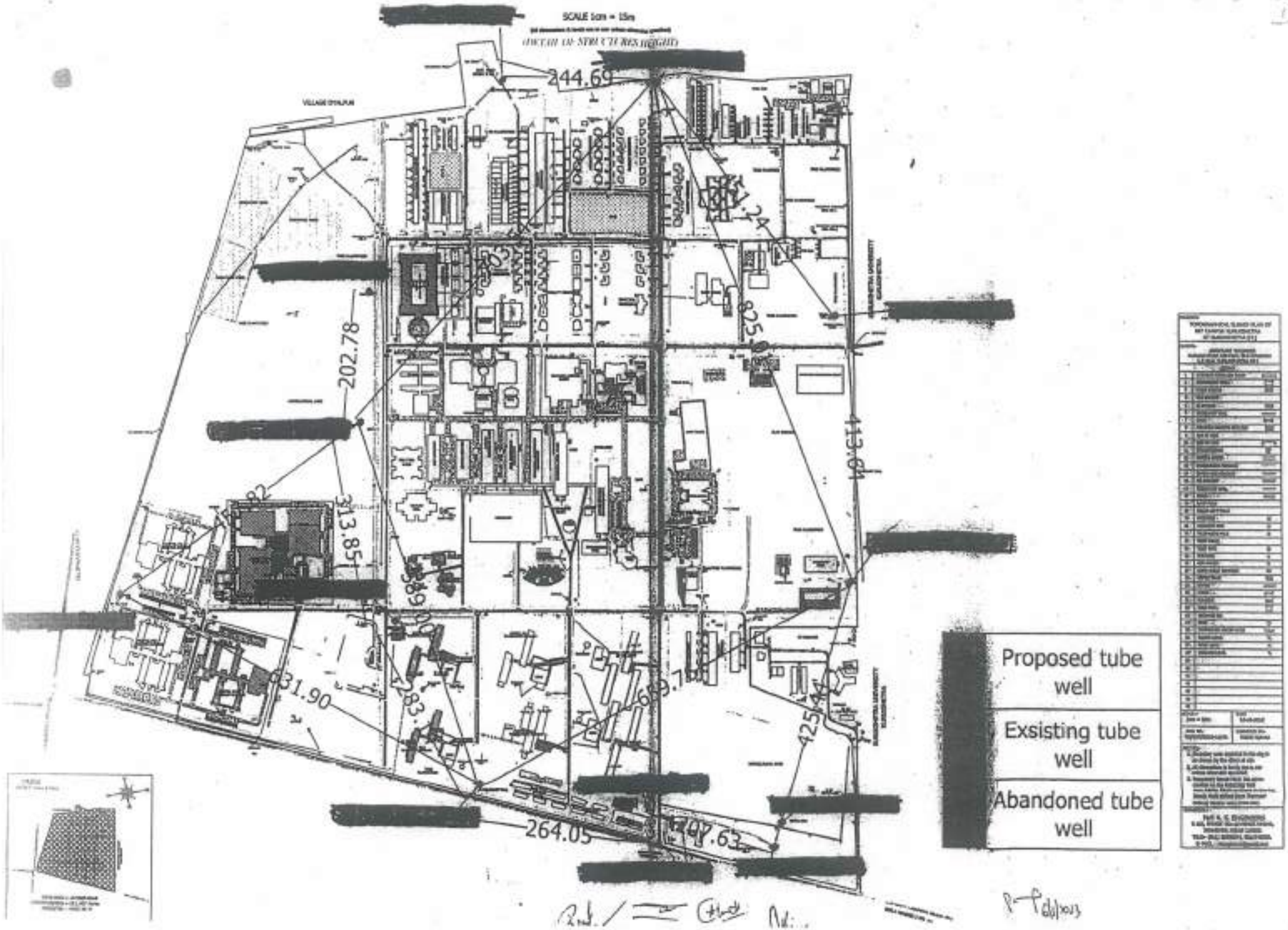
Estimate for Providing & Installation of 2 Nos. Tubewells at NIT, Kurukshetra

Sr. No.	HSR No.	Description of Item	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)
		Schedule-II				
		SUB HEAD NO. 1				**PUMPING MACHINERY**
1		Supplying and fixing submersible pumping set ISI marked of approved KSB make with 1400 LPM discharge with 67 M head 5 stage 35HP (motor HBC/333 & Pump BPHA/333/5) with suitable capacity with complete submersible finolex flat cable 10mm^2 3 core plain copper double length for lowering of pumping sets with M. S. clamp 4" i/d.	1	Set	65000.00	65000.00
2		Supplying and welding MS flange with GI pipe 100mm & lowering the same in T/W including cost of rubber insertion Nut bolts rate completed Av. Length 3 mtrs. with M. S. flanged welded both sides with rubber insertion and nuts and bolts complete including lowering of pipe. Make : Jindal Hisar, Jai Parkash, TATA of B Class	15	Each	2600.00	39000.00
3		Supplying and erection of D/F sluice valves ISI marked. (i) 100mm i/d	3	Each	4300.00	12900.00
4		Supplying and erection of reflex valve ISI marked. (i) 100mm i/d	1	Each	1700.00	1700.00
5		Prov. and fixing C. I. specials such as flanged tapper / D.F. bend / D.F. tees , tail paics plain etc. including nuts and bolts and rubber insertion complete fixed in position.	200	Per Kg.	70.00	14000.00
					SUB HEAD NO.1 TOTAL	132600.00
		SUB HEAD NO. 2				**PANEL BOARD**
1		Supply installation testing commessning of 35HP 415V, 50HZ star-delta starter comarisng of following:	1	Each	40000.00	40000.00
	(i)	16 gauge M.S. Sheet, powder coating dust proof panel	1	No.		
	(ii)	MCCB 100A, 415V, 4 Pole, 25KA (L&T/ABB/SIEMENS)	1	No.		
	(iii)	ML-3 contactor for star-delta operation (Star-Delta & main mode) L&T/BCH make coil voltage 415V	3	Nos.		
	(iv)	Single phasing prenenter manike make	1	No.		
	(v)	24 Hrs. programmable timer GIC	1	No.		
	(vi)	Overload relay 22-32A L&T/BCH	1	No.		
	(vii)	Control supply fuses				

Sr. No.	HSR No.	Description of Item	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)
	(viii)	Voltmeter with selector switch (RY-YB-BR)	1	Set		
	(ix)	Ameter, CT's & selector switch (R-Y-B)	1	Set		
	(x)	RYB supply indication lamps				
	(xi)	Starter ON/OFF indication lamps				
	(xii)	Auto manual selecter switch with manully operation (ON/OFF) of starter				
	(xiii)	ON/OFF puch buttons & overload reset push button	1	Set		
	(xiv)	All internal copper wiring				
	(xv)	02 Nos G.I. pipe earting with connections including all material				
					SUB HEAD NO.2 TOTAL	**40000.00**
		SUB HEAD NO. 3			**Drilling of Tubewell**	
1		Drilling of 685.8mm dia bore by hydraulic rotary drilling (reverse circualtion method) according to ISI speicfication No. 2800-1991 (Part-I) as amended upto date and modified to extent of the specification attached with this schedule of items of work in all kinds of soils and bounders upto 125mm dia except rocky strata including the cost of all consumable Stores, fuel, oil, soil stabilizing material and transportation of rig and other accessories to the size of proposed bore and back (including cost of lowering of all sizes of casing pipe while boring and extracting the same against earth frictions etc.) complete to the satisfaction of the Engineer-in-Charge				
		0 to 15 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		15 to 30 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		30 to 45 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		45 to 60 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		60 to 75 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		75 to 90 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		90 to 105 mtrs. Bore hole	1x15 mtrs.	15 mtrs.		
		105 to 120 mtrs. bore holes	1x15 mtrs.	15 mtrs.		
		120 to 135 mtrs. bore holes	1x15 mtrs.	15 mtrs.		
		135 to 150 mtrs. bore holes	1x15 mtrs.	15 mtrs.		
		150 to 165 mtrs. bore holes	1x15 mtrs.	15 mtrs.		
		165 to 180 mtrs. bore holes	1x15 mtrs.	15 mtrs.		
		1 x 180mtr.	180	Per mtr.	600.00	108000.00

Sr. No.	HSR No.	Description of Item	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)
2-		Supplying and lowering 273.00 mm (10" inch) outer dia ERW steel pipes as per IS 4270/1992 as amended upto date, duly ISI marked for housing pipe in 4 to 7 mtrs. Random length with 88.90 mm of threaded ends (8 threads to an inch or 25.40mm) manufactured out of 8mm thickM.S. Plates with required number of M.S. socket 177.80mm with inside thread to match the pipe threads and made out of M.S. Plate into borehole in verticle position including cost of all scaffolding, derricks, Jim, poles, tools and plants, rupes gays M.S. clamp embedded in foundation etc. complete in all respect to the satisfaction of the Engineer-in-Charge of the work including, cost of all cutting, threading of pipe welding where required and all sockets				
		1 X 100 mtrs.	100	Per mtr.	3500.00	350000.00
3-		Supplying and lowering 219.10 mm outer dia ERW steel pipes as per IS 4270/1992 as amended upto date, duly ISI marked for housing pipe in 4 to 7 metres random length with 88.90 mm of threaded ends (8 threads to an inch or 25.40 mm) manufactured out of 6.40 mm thick M.S. Plates with requried number of M.S. socket 177.80 mm with inside thread to match the pipe threads and made out of M.S. Plate into borehole in vertical position includign cost of all scaffolding, derricks, Jim, poles, tools and plants ropes, gays M.S. clamps embedded in foundation etc. complete in all respects to the satisfaction of the Engineer-in-charge of the work includign cost of all cutting threading of pipe welding where requried and all sockets				
		1 X 25 mtrs.	25	Per mtr.	2800.00	70000.00
4-		Lowering 200mm i/d all welded low carbon galvanized steel pipe as per satisfaction of the Engineer-in-charge				
		1 X 20 mtrs.	20	Per mtr.	3800.00	76000.00
5-		Supplying, fixing and lowering reducing socket as per IS : 226/1975 as amended upto date ~~293.10 mm /~~ 273.00mm Outer dia, into 219.10 mm outer dia with 8 threads per inch or 25.40 mm, to be made out of M.S. plate with interior threads to be suitable for jointing 273.10 mm outer dia pipe and 219.10 mm outer dia ERW pipe as per item no. 2 & 3 above or by cement grouting.				
		1 X 1 No.	1	Each	3000.00	3000.00
6-		Providing and fixing in position suitable end plug hook of 219.10 mm as per IS 226/1975 as amended upto date, including the cost of M.S. screwed socket etc. complete in all respects, to the entire satsifaction of the Engineer-in-charge of the work.				
		1 X 1 No.	1	Each	1000.00	1000.00
7-		Supplying and packing graded gravel of size as per ISI 4097/1988, as amended upto date and speicification attached with this schedule of item of work. The gravel should be free from dust, dirt or vegetable matters. Packing to be done from the housing pipe to the bottom of liner all around in thebore and will be placed after linr and housing pipes have been lowered and suitably clamped, thickness and size of the gravel packing will be as directed by the Engineer-in-charge strictly as per relevant ISI				
		1 X 60 cum	60	cum	750.00	45000.00

Sr. No.	HSR No.	Description of Item	Qty.	Unit	Rate (in Rs.)	Amount (in Rs.)
8-		Supplying and fixing well threaded M.S. cap. For 273.00 mm outer dia M.S. pipe as per ISI 226 / 1975 as amended upto dare to the satsifaction of the Engineer-in-charge.				
		1 X 1 No.	1	1 No.	800.00	800.00
9-		Supplying as per IS : 226/1975 as amended upto date deodar wooden box made of 20 mm thick wood size 60mm x 30cm x 75 cm with lid and locking arrangement etc. for preserving the strata samples received from the bore as and when desired by the Engineer-in-charge.				
		1 X 1 No.	1	Each	800.00	800.00
10-		Supplying and fixing 273.00mm (10" inch)M.S. clamp as per 226/1975 as amended upto date for supporting on two girders not less than 100mm x 150mm and two meters long each embedded in suitable foundation as approved by the Engineer-in-charge				
		1 X 1 No.	1	Each	2200.00	2200.00
11-		Development of tubewell accordign to clause 9.3 of IS : 2800-1991 (part-I) as amended upto date and specification attached and as directed by the Engineer-in-charge of the work includign the cost of all consumable stores, fuel, oil compressors, pumps and machinery etc. as requried for this work.				
		1 job	1	Each	20000.00	20000.00
12		Providing and stringing S & S centrifugally cast (spun) iron pipes (Class LA) with CI specials, bends, tees , required fittings , lead and yarn etc complete in trenches to the approval of Engineer-in-charge. 150mm dia pipe	20	Mtr.	1000.00	20000.00
					Sub Head No.3 Total	**696800.00**


SCALE 1cm = 15m
244.69
202.78
313.85
31.90
264.05
147.63
425.44
139.04
Proposed tube well
Exsisting tube well
Abandoned tube well

Subject: Provision of installation of new tubewells alongwith the capacity of overhead/ground storage tanks in the Institute.

In this regard, it is apprised that the water table is lowering day by day due to scarcity/overuse of ground water. The water table of Tube well No. 5, 6 and 9 getting lowered day by day due to scarcity of ground water. At present the depth of water level is about 150-160 feet and the Tube well No. 5 is about to be abandoned due to damage of the bore well. Further, the matter regarding implementing the intermittent water supply in the Institute was also discussed in the EAC meeting held on 13.07.2021. The decision of EAC is reproduced below:

> *"Before implementation of intermittent water supply in the Institute Campus, the requirement of storage in the Hostels, Academic Buildings and Residential area may be explored by the Estate Section. Further, EAC recommended that the matter regarding provision of installation of new tube wells alongwith the capacity of overhead storage tanks as per present and future needs may be taken up with the CPWD. After finalization of the final demands of water in Hostels, Academic Buildings and Residential area may be incorporated in the Master Plan of the Institute. The plan may be prepared in various phases for implementation".*

Accordingly, a requisition was conveyed to Executive Engineer (Civil), CPWD, Kamal vide no. CC/3506/503/2992 dated 26.08.2021 & CC/3506/758/5094 dated 10.12.2021 to explore the provision of installation of new tube wells along with the capacity of overhead/ground storage tanks as per present and future needs. Further, it was also requested to assess the final demands of water in Hostels, Academic Buildings and Residential Area after working out the same may be incorporated in the Institute Master Layout Plan. In response to the above, a few observations received from Assistant Engineer (Civil), CPWD, Sub-Division, Kurukshetra vide no. 24(NIT)/AE/KSD/2021/322 dated 17.12.2021 regarding to submit the basic data for installation of new tube wells and Design & Execution of intermittent water supply scheme in the Institute (copy placed in the file). The same had already been conveyed to Executive Engineer (Civil), CPWD, Kamal vide no. CC/3506199/1070 dated 01.04.2022.

Further, a letter received from the Assistant Engineer (Elect.), CPWD, Electrical Sub-Division, NITK, vide no. 23(1)/AE(E)/NITKESD/2022/62 dated 10.06.2022 vide which it has been requested to submit the location of bore well, Horizontal distance from delivery and Vertical head from the delivery pump. In this regard, a survey report has been prepared regarding abandoned, running of existing tube wells and location for installation of four nos. new tube wells alongwith Horizontal distance between the proposed tube wells and vertical head of 35 meter as shown in the Institute Master Layout Plan (placed in the file).

In view of the above, if agreed, the Hon'ble Director may accord approval for proposed location of four nos. new tube wells, Horizontal distance and vertical head from delivery pipe. So that the same may be conveyed to CPWD for obtaining the cost estimate for installation of four nos. new tube wells, in the Institute along with the capacity of overhead/underground storage tanks as per present & future demands of water in hostels, academic & residential area.

Submitted for approval please.

A.E. (Civil) 06/1/23

A.E. (Elect.) 6/1/23

Senior Supdt. (Accounts) 06/01/23

Faculty I/C (E&C) 06/1/23

Faculty I/C (EM&T) (on leave)

Associate Dean P&D for (E&C) 6/1/2023

Dean (P&D) 09/01/2023

Registrar I/C 09/01/23

Director

Dy. No. 83 Dt. 09.01.23

Dy(P&D)/11 9/1/2023

ESTATE SECTION
Diary No. 463
Dated: 13/03/23

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता– करनाल
हैफेड ऑफिस बिल्डिंग, द्वितीय तल,
एस.सी.ओ.–19–20, सैक्टर–12 (पार्ट–1)
करनाल–132001

Office of Superintending Engineer - Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001
E-Mail : knl-sekcd@cpwd.gov.in

संख्या – 23(KKR)/अधी–अभि–करनाल/2023/223 दिनांक 10/03/2023

सेवा में,

13/3/23 F/I (E&C) 14/3/23.

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra-136119

A.E(Es) Sump well may be provided in the water pressure A. comment.

विषय : **Provision of Installation of 04 nos. tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra, Haryana.** The appropriate location may be explored and put up before EAC in its ensuing meeting

संदर्भ : आपके कार्यालय का पत्र संख्या : **letter No. CC/3598/28/206 Dated : 13.01.2023**

महोदय,

Rec'd (E&C) 13/4/23

With reference to above please find enclosed herewith a Preliminary Estimate in duplicate amounting to Rs. 3,06,91,800/- (Three Crore Six Lacs Ninety One Thousand & Eight Hundred Only) for the subject work for obtaining A/A & E/S of competent authority. The necessity for preparing the estimate has been explained in history part of the estimate. 07.4.23

It is requested to return one copy of the sanctioned estimate at the time of conveying the administrative approval & expenditure sanction.

This issues with the approval of Superintending Engineer-Karnal.

Encl : As Above

सहायक अभियन्ता–करनाल
कार्यालय अधीक्षण अभियन्ता–करनाल
के.लो.नि.वि. करनाल

प्रतिलिपि :–

1. विशेष महानिदेशक, परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
2. कार्यपालक अभियन्ता (सि.) के.लो.नि.वि. करनाल को उनके द्वारा भेजे गये ड्राफ्ट प्राक्कलन के संदर्भ में।
3. कार्यपालक अभियन्ता (वै.) के.लो.नि.वि. करनाल को उनके द्वारा भेजे गये ड्राफ्ट प्राक्कलन के संदर्भ में।

PTO

सहायक अभियन्ता–करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: KKR**

NAME OF WORK: **Provision of Installation of 04 nos. tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Preliminary Estimate framed by Er. Devendra Singh, Executive Engineer (Civil), Karnal Division & Er. Smt. Savita Ray, Executive engineer (Elect.) and further processed in the Office of Superintending Engineer-Karnal, CPWD, Karnal for the probable cost of Rs. 3,06,91,800/- I/c contingencies.

REPORT

History: This Preliminary Estimate amounting to **Rs. 3,06,91,800/-** I/c 3% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **client department** vide letter **No. CC/3598/28/206 Dated 13.01.2023**. The estimate has been prepared to meet out the day to day water supply demand in the campus as 2 nos. tubewell have already defunct. Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **Following provision has been made in this preliminary estimate:-**

Civil Work :-

04 Nos. Bore well/Tubewell, approximate 180mtr deep at different locations

(Annexure-A)

1. Boring/drilling bore well of required dia (550mm) for casing/ strainer pipe, by suitable method prescribed in IS: 2800
2. Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/ plain ended casing pipes of 273mm outer dia
3. Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of 273mm outer dia
4. Gravel packing in tubewell construction in accordance with IS: 4097 all complete as per direction of Engineer-in-charge
5. Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content
6. Providing and fixing 150mm dia pipe Ductile iron pipe from tube well/ sump well to existing grid

(Annexure-B)

1. Provision of 04 Nos. sump well/ RCC underground tank with pump rooms at different locations
   (a) 04 Nos. sump well/ RCC underground tank capacity 01 lac litr at each locations
   (b) Pump room size 7.00 mtr X 5.00 mtr including mummty slab at each locations
   (c) Flow metre at each location

Electrical Work :-

1. Wiring of pump room with modular type switch /power plug/ distribution board along with MCBs & Fan ,LED Fittings complete etc.
2. Providing & Fixing of 9 Stage submersible pump of minimum 40 HP/30 KW having discharge rate of range 1500 to 500 LPM approx. head of pump range at 57 to 148 Mtrs. Approx
3. Providing & Fixing of Monoblock pump of minimum 30 HP /22 KW having discharge rate of range 1710 to 210 LPM approx. head of pump range at 32 to 90 Mtrs. approx.
4. Supplying and fixing 100 mm dia. C class GI pipe for borewell submersible pump upto depth of 75 Mtrs (3 Mtrs Each)
5. Supplying, fixing, testing & commissioning of double flanged sluice valve& Non-return valve.
6. Supply and fixing 3 X 16 sq. mm. flat copper conductor submersible cable
7. Providing & Fixing Cubical panel made of CRCA MS Sheet along with suitable capacity 04 Nos. Aluminium busbar i/c suitable capacity incomer & outgoings along with 03 nos. Star delta starter operating for submersible pump/ monoblock pump i/c all accessories,earthing etc.
8. Supply & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5 X 120 sq.mm cable in exisitng HUME/RCC/DWC HDPE pipe/ on wall surface /masonry open duct

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Civil : Based on PAR – 2021, DSR-2021 & Market Rates.
Elect. : Based on DSR - 2022 & Market Rates.

Method: Through contract after call of tender.

Time: Pre-Construction : 3 Months
Construction Period : 6 Months
Total : 9 Months (After receipt of A/A & E/S)

Cost: Rs. 3,06,91,800/- i/c contingencies.

Note: The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if considered by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

-sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

-sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal, CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal, CPWD, Karnal

Superintending Engineer-Karnal
CPWD-Karnal

GENERAL ABSTRACT OF COST

Name of Work:-	Provision of installation of 04 nos. tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra, Haryana.		
S.No.	Description	Amount	Remarks
1	Civil Work	6519122	Annexure- 'A' (As per abstract of Civil)
		14513641	Annexure- 'B' (As per abstract of Civil)
2	Electrical Work	6248827	Annexure- 'C' (As per Abstract of Elect.)
	Total	27281590.00	(X)
	@ 4.5% on (X)	1159468.00	
	[illegible] on (X)	816448.00	
	Add for anticipated increase @ 3% As per circular issued by SE (T/S), New Delhi vide their no. SE(T/AS)/Cost Index/2020/483-H dated 18.12.2020 on (X)	816448.00	
	Add for anticipated increase @ 2.5% (3% per annum or part thereof) for the increase in the cost during the period of completion work (As per Circular No. 06/SE(T/AS) Cost Index/2020/483-H dated 18.12.2020) on (X)	613836.00	
	Grand Total	30691790.00	
	Say	30691800.00	

The Preliminary Estimate amounting to Rs. 3,06,91800/- (Three Crore Six Lacs Ninety One Thousand & Eight Hundred Only) is submitted to the competent authority for obtaining AA & ES.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

10/03/2023

Superintending Engineer-Karnal
CPWD, Karnal

PRELIMINARY ESTIMATE (Civil Work)

ANNEXURE - "A"

Name of Work:- Provision of Installation of 04 nos. tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra, Haryana.

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
1	18	WATER SUPPLY				
1.1	18.31	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :				
1.1.1	18.31.3	150 mm diameter				
1.1.1.1	18.31.3.2	Class II	4	each	6661.80	26647.00
1.2	18.35	Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , I/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
1.2.1	18.35.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	8	each	24388.85	195111.00
1.3	18.68	Providing and laying D.I. specials of class K-12 suitable for push-on jointing as per IS : 9523 :				
1.3.1	18.68.1	Up to 600 mm dia	4	quintal	17155.90	68624.00
1.4	18.7	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket :				
1.4.1	18.70.2	150 mm dia pipes	50	joint	156.05	7803.00
1.5	18.72	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 :				
1.5.1	18.72.2	150 mm dia Ductile Iron Class K-7 pipes	300	metre	1601.30	480390.00
2	23	RAIN WATER HARVESTING & TUBEWELLS				
2.1	23.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	140.87	cum	1479.25	208382.00
2.2	23.5	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. (Based on DSR Item No. 23.1.1.3) All types of soil 550 mm dia	360	Metre	1381.45	497322.00
2.3	MR	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 180 metre depth below ground level. (Based on DSR Item No. 23.2.1.3) All types of soil 550 mm dia	360	Metre	1726.80	621648.00

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
2.4	MR	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge. (Based on DSR Item No, 23.10.3) 273 mm outer dia having minimum wall thickness 7.90 mm	600	Metre	5433.40	3260040.00
2.5	MR	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 plain slotted (having slot of size 1.6/3.2 mm) mild steel threaded and socketed/ plain bevel ended pipe (type A) of required dia, conforming to IS: 8110, of reputed and approved make, having wall thickness not less than 5.40 mm, including painted with outside surface with two coats of anticorrosive bitumestic paint of approved brand and manufacture, including hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer -in-charge. (Based on DSR Item No. 23.11.3) 273 mm outer dia	120	Metre	6167.85	740142.00
2.6	MR	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. (Based on DSR Item No. 23.14.3) 273 mm clamp	4	Each	1827.00	7308.00
2.7	MR	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I). (Based on DSR Item No. 23.15.3) 273 mm outer dia	4	Each	2154.90	8620.00
2.8	MR	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: (Based on DSR Item No. 23.13.3) 273 mm outer dia	4	Each	2247.75	8991.00
		Total				**6131028.00**
		Add GST @6.33% (18% in place of 12% factor) as per OM NO.SE/TAS/GST/20 dated 10.08.2022				388094.00
		Total				**6519122.00**

Assistant Engineer-Karnal(Civil)
O/o SE-Karnal,CPWD,Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

PRELIMINARY ESTIMATE (Civil Works)

ANNEXURE - "B"

Name of work:- Provision of Installation of 04 nos. tubewells, sump well/under ground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra, Haryana. (SH:- C/ 4 nos Sump well/ RCC Underground tank)

S.No.	PAR 2021	Description	Qty.	Unit	Rate	Amount
1	1	BUILDING COST (Specifications as per Annexure-I of PAR, 2021)				
1.1	1.3	EXTRA FOR				
1.1.1	1.3.6	RCC raft foundation (on ground floor area only)	140	sq.mtr.	10700.00	1498000.00
1.2	1.4	BASEMENT FLOOR				
1.2.1	1.4.1	Floor height upto 3.35mtr including water proofing. (excluding raft base)	180	sq.mtr.	20750.00	3735000.00
1.2.2	1.4.2	Add or deduct for every 0.30 m. or part thereof, height against normal height of 3.35 m. (3.90-3.35/0.30)x1000=1833.00	140	sq.mtr.	1833.00	256620.00
2	4	WATER TANKS (RCC ONLY)				
2.1	4.5	Underground sump (capacity 1 lac Ltr at Each location)	400000	litre	20.00	8000000.00
2.2	4.5	Flow metre 01 No. at Each location	4	L.S.	40000.00	160000.00
		Total				**13649620.00**
		Add GST @6.33% (18% in place of 12% factor) as per OM NO.SE/TAS/GST/20 dated 10.08.2022				864021.00
		Total				**14513641.00**

Assistant Engineer-Karnal(Civil)
O/o SE-Karnal,CPWD,Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure - "C"

PRELIMINARY ESTIMATE (Electrical Work)

Name of Work: Provision of Installation of 04 nos. tube wells, sump well/RCC underground tank with pump rooms at different four locations in the institute at NIT Kurukshetra. (SH-Electrical Provisions)

Sr. No	Description of Items	Qty.		Rate	Unit	Amount	Remarks
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.						
1.1	Group C	32	Pts	1845	Pts	59040	DSR2022 1.3.3
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required						
2.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	Mtrs	327	Mtrs	26160	1.7.1
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	60	Mtrs	428	Mtrs	25680	1.7.3
2.3	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	80	Mtrs	589	Mtrs	47120	1.7.4
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	8	Nos.	586	Nos.	4688	1.32
4	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	8	Nos.	40	Nos.	320	1.26
5	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	4	Nos.	369	Nos.	1476	1.25
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						
6.1	6 way, Double door	4	Nos.	2206	Nos.	8824	2.3.1
7	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
7.1	Single pole	16	Nos	256	Nos	4096	2.10.1
7.2	Single pole and neutral	4	Nos	599	Nos	2396	2.10.2
8	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS: 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise-75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	4	Nos	2730	Nos	10920	19.1
9	Supply, Installation, Testing and Commissioning of 1200mm LED Batten complete etc as required.	8	Nos	1000	Nos	8000	MR
10	Supply, Installation, Testing and Commissioning of LED Bulkhead fitting complete etc as required.	16	Nos	1200	Nos	19200	MR
11	Supply, Installation, Testing and Commissioning of 380 mm sweep exhaust fan with louver shutter i/c connection complete etc as required.	4	Nos	5000	Nos	20000	MR
12	Supplying, Installation, Testing & Commissioning of 9 Stage submersible pump of minimum 40 HP/30 KW having discharge rate of range 1600 to 500 LPM approx. head of pump range at 57 to 148 Mtrs. approx. directly coupled with suitable capacity submersible motor for operation on 415 V, 50 Hz, 3 phase AC supply, with 100 mm delivery outlet suitable for 200 mm borewell complete etc as required.	4	Nos.	164330.00	Each	657320	MR

Sr. No	Description of Items	Qty.		Rate	Unit	Amount	Remarks
13	Supplying, Installation, Testing & Commissioning of Monoblock pump of minimum 30 HP /22 KW having discharge rate of range 1200 to 210 LPM approx. head of pump range at 32 to 90 Mtrs. approx. coupled with suitable capacity motor for operation on 415 V, 50 Hz, 3 phase AC supply, with 100 mm delivery outlet complete etc as required.	8	Nos.	197751.00	Each	1582008	MR
14	Supplying and fixing 100 mm dia C class GI pipe for borewell submersible pump upto depth of 75 mtrs (3 Mtrs Each) having welded flanges on both ends including drilling holes in flanges and providing two nos. grooves on corner of flanges for crossing submersible cables including providing and fixing suitable sie MS flat for strengthening the pipe including necessary hardware,painting etc as required.	100	Nos.	4066.00	Each	406600	MR
15	Supplying & fixing 150 mm dia C class GI pipe from underground tank including making necessary suction and discharge headers, providing necessary hardware,painting etc. complete as required.	60	Mtrs	1840.00	Each	110400	MR
16	Supplying, fixing, testing & commissioning of double flanged sluice valve of rating PN 1.6 with non rising spindle, bronze/gun metal seat, ISI marked complete with nuts, bolts, washers, gaskets and conforming to IS 780 of following sizes as required:						
16.1	100 /150 mm dia	12	Nos.	22762.00	Each	273144	18.12.6
17	Providing, installation, testing and commissioning of non-return valve of following sizes confirming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required:						
17.1	100/150 mm dia	12	Nos	17786.00	each	213432	18.14.7
19	Providing & fixing cubical panel made of CRCA MS Sheet alongwith suitable capacity 04 Nos. Aluminium busbar i/c suitable capacity incomer & outgoings alongwith 03 nos. Star delta starter operating for submersible pump/ monoblock pump i/c all accessories, earthing etc. complete as required.	4	Job	150000.00	P/Job	600000	MR
20	Supply and fixing 3 X 16 sq. mm. flat copper conductor PVC cable for above submersible pump set & Monoblock pump set etc as required.	800	Meters	675.00	Metrer	540000	MR
21	Supply & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5 X 120 sq.mm cable in exisitng HUME/RCC/DWC HDPE pipe/ on wall surface /masonry open duct i/c connection etc. complete as required.	800	Meters	1570.00	Metrer	1256000	MR
	Total					5876824.00	
	Add GST @6.33% (18% in place of 12% factor) as per OM NO.SE/TAS/GST/20 dated 10.08.2022					372003.00	
	Total					6248827.00	

Assistant Engineer-Karnal(Elect)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

EAC Minutes of meeting held on 18.07.2023

5. **To discuss the request received from the Prof. I/C (CCN) vide ref. no. CCN/2023/188 dated 17.02.2023 regarding to provide the water supply connection with wash basin in the room near CCN reception area.**

A request received from the Prof. I/C (CCN) vide ref. no. CCN/2023/188 dated 17.02.2023 regarding to provide the water supply connection with washbasin in the room near CCN reception area was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the existing facility available in adjacent area be used which is opened 24x7, so in this regard, no further action required.

6. **To discuss a request received from the Prof. I/C (Student Clubs) vide no. Clubs/2022-23/147 dated 17.02.2023, regarding covering of Stage at OAT.**

A request received from the Prof. I/C (Student Clubs) vide no. Clubs/2022-23/147 dated 17.02.2023 regarding covering of stage at OAT was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the options communicated by CPWD should be finalized in discussion with Professor I/C (Student Clubs) and communicated to CPWD for the cost estimate.

7. **To discuss the cost estimate of Rs. 30,30,200/- received from Executive Engineer (Civil), CPWD Karnal vide no. 20(NIT_KKR)/PS/CD/2023/297 dated 23.02.2023 for the provision of cycle parking adjacent to existing parking near main gate Kirmich road on west side at NIT Kurukshetra.**

The cost estimate of Rs. 30,30,200/- received from Executive Engineer (Civil), CPWD Karnal vide no. 20(NIT_KKR)/PS/CD/2023/297 dated 23.02.2023 for the provision of cycle parking adjacent to existing parking near main gate Kirmich road on west side was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the same may be put up in the ensuing meeting of B&WC for approval.

8. **To discuss the recommendations of the committee received from the Prof. I/C (Student Club) vide no. Clubs/2022-23/146 dated 17.02.2023 regarding the renovation of the Jubilee Hall at NITK.**

The recommendations of the committee received from the Prof. I/C (Student Club) vide no. Clubs/2022-23/146 dated 17.02.2023 regarding the renovation of the Jubilee Hall was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a requisition may be sent to CPWD for submission of revised cost estimate for the renovation of the Jubilee Hall.

9. **To discuss the cost estimate of Rs. 3,06,91,800/- received from Superintending Engineer, CPWD Karnal vide no. 23(KKR)/SE-Karnal/2023/223 dated 10.03.2023 for the provision of 04 nos. Tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute at NIT Kurukshetra.**

The cost estimate of Rs. 3,06,91,800/- received from Superintending Engineer, CPWD Karnal vide no. 23(KKR)/SE-Karnal/2023/223 dated 10.03.2023 for the provision of 04 nos. Tubewells, sump well/RCC underground tank with pump rooms at different four locations in the Institute was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the cost estimate may be put up in the ensuing meeting of B&WC for approval.

10. **To discuss a request received from Chief Warden (Hostels) vide dated 24.03.2023 regarding construction of cemented path for mess of Kalpana Chawla Bhawan.**

A request received from Chief Warden (Hostels) vide dated 24.03.2023 regarding construction of cemented path for mess of Kalpana Chawla Bhawan was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the work of provision of cycle path parallel to the existing roads is in process as and when the roads will be dismantled, the generated waste material will be used for construction of path for mess of Kalpana Chawla Bhawan in future. Further, no action is required for the time being.

Contd... P/3

BWC 29.7 To consider and approve the preliminary cum detailed cost estimate for the provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT, Kurukshetra, Haryana.

The request received from Prof. I/C Student's Club on 08.03.2022 for the provision of sound proofing the walls of SAC Music Room. The same was put up before the Estate Affairs Committee meeting held on.16.03.2022. The EAC recommended that a letter may be written to CPWD for providing the cost estimate for the proposed work and the same was approved by the competent authority of the Institute. After approval of the competent authority, Executive Engineer (Civil) CPWD, Karnal was intimated vide letter No. C/3506/241/1234 dated 12/13.04.2022.

In response to the above letter, The Assistant Engineer (Civil) CPWD Karnal has intimated vide letter No. 24(NIT/AE/KSD/2022/103 dated 05.05.22 that the SAC building have been inspected by the undersigned on 05.05.2022 and observed that the walls and roof of the building is not in good condition, needs repair i.e. plastering on internal walls, outside facia, filling of cracks, water proofing work on the top of roof replacement of wooden window shutters and other miscellaneous works such a painting works. These works are mandatory before taking up the work of sound proofing of wall of SAC music rooms. The same was put up before the Estate Affairs Committee held on 25.05.2022 the Estate Affairs Committee resolved that "cost estimate for repairs works along with sound proofing works may be obtained from CPWD". After approval of the competent authority, Executive Engineer (Civil) CPWD, Karnal was intimated vide letter No. C/3506/374/2086 dated 30.06.2022. Copies enclosed as **Appendix 29.7 (i) from pages 197 to 202**.

In response to the above the preliminary cum detailed cost estimate amounting to Rs.34,52,000/- has been received from Executive Engineer CPWD Karnal vide No. 20(NIT-KKR)/PS/CD/2022/1740 dated 20.07.2022 for the provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT, Kurukshetra, Haryana. The cost estimate received from CPWD was put up before the EAC held on 12.09.2022. The EAC discussed in detail & deliberated and recommended that the

preliminary cost estimate of Rs. 34,52,000/- for the above said work may be put up before the ensuing B&WC meeting for necessary approval and the same was approved by the competent authority. Copies enclosed as **Appendix 29.7 (ii) from pages 203 to 209.**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate for an amount of Rs. 34,52,000/-/- for the provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT, Kurukshetra, Haryana.*

ESTATE SECTION
Diary No. 320
Dated 8/3/22

To,

The professor in-charge

Students' Club NIT, Kurukshetra

Prof. in charge (Estate)
Pawan Bhalla
8/3/22

Fac I/C (E&C), A.E.(C)
08/3/22

Subject- Regarding sound proofing the SAC Music Room

Respected Ma'am,

We, the students of Spicmacay request the college authority to provide us with the sound proofing the walls of SAC Music Room. Sound proofing is very necessary for that room considering multiple instruments being played at the same time for practices which causes the problem of echo and hence the correct sound not being perceived by the performers.

Your help would be really appreciated.

Thanking You
Yours Sincerely

Shubham Kumar Jha
Secy Spicmacay
7488780156

The above matter is required to be discussed in EAC. meeting
08/08/22
Fac I/C (E&C)

P/E (E&C)
09/3/22

AE/(C)
09.03.2022

SE(A)
09/03/22

JS
16/3/22

EAC Minutes of meeting held on 16.03.22

	v) Conditions of Hostel no. 1, 2 & 3. The work of internal & external finishing of hostels was approved by B&WC in its 27th meeting and same will be put up before the ensuing FC & BOG meeting for approval.
	vi) Additional hostel of 500 capacity must be planned in view of needs in the next few years. The EAC discussed the matter regarding construction of additional hostel of 500 capacity in view of needs in the next few years. The EAC resolved and recommended that the matter will be discussed with the competent authority of the Institute.
17.	**Provision of a check post of tin sheet shed near the Girls Hostel.** The request received from the Security Officer on dated 19.01.2022 regarding provision of a check post of tin sheet shed near the Girls Hostel was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the location for check post alongwith the shed having facility of waiting room for visitors & a toilet block be explored with Security Officer.
18.	**Any other item:** **i) A request received from the Senior Medical Officer vide letter no. HC/2022/57 dated 23.02.2022 – regarding maintenance/repair works in the Health Centre.** The matter regarding maintenance/repair works in the Health Centre was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Estate Section may prepare the cost estimate for renovation of existing toilet in Health Centre and execute the work accordingly. **ii) A request received from the Prof. I/C Student's Club on dated 23.02.2022 – regarding the provision of sound proofing wall of SAC music room.** The matter regarding the provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. The EAC in principle agreed to provide acoustic treatment & false ceiling in accordance with requisition raised by the Prof. I/C (SAC). Further, the EAC resolved that a request letter may be communicated in this regard to CPWD for providing the cost estimate. **iii) A request received from Dean(Students Welfare) dated 09.03.2022 regarding the locations of the open gym in Boys and Girls hostels** The matter regarding locations of Open Gymnasium in the Boys and Girls Hostel was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the same committee proposed at item No. 10 will work and submit the report.

The meeting ended with vote of thanks to the chair.

The minutes of EAC meeting are submitted for kind consideration & approval please,

28.03.22
Faculty I/C (EM & T)

A.E. (Civil) 28/3/22

A.E. (Elect.)

Professor- I/C (E&C)

Prof. Civil Engg. Deptt 30/3/22

Faculty I/C (E&C) 30/03/22

30/03/2022
Dean (P&D) & Chairman (EAC)

D(P&D)/108
30/3/2022

REGISTRAR OFFICE
Diary No. 596
Dt. 30.03.22

Registrar I/C 30/03/22

Director 7/4/22

07/04/22
Dean (P&D)

07.4.2022

11/4/22

7/4/22

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/ 241/1234 Dated 12/13.04.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Provision of sound proofing wall of SAC music room at NIT Kurukshetra.

It is to inform you that the competent authority of the Institute has desired to make a provision of sound proofing wall of SAC music room.

In this regard, it is therefore, requested to kindly submit the cost estimate for the provision of sound proofing wall of SAC music room, so that an early action may be taken accordingly.

This is for kind information and further necessary action please.

12.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. PS to Registrar for information of the Registrar
7. Assistant Registrar to Director for kind information of the Hon'ble Director

भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कुरूक्षेत्र उप–मण्डल, कुरूक्षेत्र

संख्याः– 24(NIT)/स.ई./कु.उ.म./2022/103 दिनांक 05/05/22

ESTATE SECTION
Diary No. 644
Dated 6/5/22

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरूक्षेत्र.

विषयः **Provision of sound proofing wall of SAC music room at NIT Kurukshetra.**

संदर्भः– Your office letter no. CC/3506/241/1234 dated 12/13.04.2022.

R/sir,

In reference to above cited subject, it is intimated that the SAC building have been inspected by the undersigned on 05.05.2022 and observed that the walls and roof of the building is not in good condition, needs repair i.e. plastering of internal walls, outside facia, filling of cracks, water proofing work on the top of roof, replacement of wooden window shutters and other miscellaneous works such as painting works. These works are mandatory before taking up the work of sound proofing of wall of SAC music rooms. Thus if approved, the estimate for sound proofing of wall incorporating the repair work may be submitted.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को सुचनार्थ।

सहायक अभियन्ता

EAC Minutes of 201st meeting held on 25.5.2022

To discuss the issue regarding decrease in width of the road, and increase in the depth and width of drainage area on both sides of the road between the houses ...s BC-1.... BC-3 and BA-4.... BA-6

The matter was discussed in the meeting of Estate Affairs Committee; it was resolved that the Estate Section may prepare the cost estimate for remedial measures for above locations along with roads between BB Type Houses and Girls Hostel as well within two weeks after the date of receipt of letter.

9. **To discuss a request received from Faculty I/C (H&L) on dated 05.05.2022 regarding requirement of water supply system for watering the lawns.**

The matter regarding requirement of water supply system for watering the lawns was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Faculty I/C (H&L) may make temporary arrangement for use of treated water generated from the STP. Further, it was also decided that A/A & E/S may be processed for already approved work of design of treated water supply line from STP to dual flushing system in 600 seater Girls Hostel, 300 seater Multi-Purpose Boys Hostel, Mega Boys Hostel & Horticulture purpose.

10. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/103 dated 05.05.2022 regarding provision of sound proofing wall of SAC music room.**

The matter regarding provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. In view of the reply received from A.E. (Civil), CPWD vide letter no. 24(NIT)AE/KSD/2022/103 dated 05.05.2022, EAC resolved and recommended that cost estimate for repairs works along with sound proofing work may be obtained from CPWD.

11. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/101 dated 05.05.2022 regarding provision of cycle path parallel to the existing roads.**

The matter regarding provision of cycle path parallel to the existing roads was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials jointly may explore the possibility of providing cycle path parallel to existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions within two weeks after the date of receipt of letter.

12. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/102 dated 05.05.2022 regarding construction of an Academic building (New Lecture Hall Complex).**

The matter regarding construction of an Academic building (New Lecture Hall Complex) was discussed in the meeting of Estate Affairs Committee in view of the reply received form the CPWD vide no. 24(NIT)AE/KSD/2022/102 dated 05.05.2022. The EAC resolved and recommended that a letter may be communicated to the Dean (Academic) regarding requirements of nos. of Lecture Halls alongwith capacity in view of increase in students intake in future.

13. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/107 dated 10.05.2022 regarding construction of water harvesting Pits/Rain water harvesting system.**

The matter regarding construction of water harvesting Pits/Rain water harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials may discuss and identify the feasibility of providing rain water harvesting along the drains. The EAC also recommended that the buildings such as (Hostel No. 7 to 10, Kalpana Chawala Hostel, MBA/MCA Building, Golden Jubilee Administrative Building and CTIBT Building) may be considered for provkding roof top rain harvesting system.

14. **To discuss regarding painting of all Academic Buildings.**

The matter regarding painting of all academic buildings in reference to the minutes of meeting held on 19.04.2022 under the chairmanship of Hon'ble Director was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to CPWD for submission of cost estimate (Building wise) for external painting of all Academic Buildings.

15. **To discuss regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks.**

The matter regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks was discussed in the meeting of Estate Affairs Committee. The EAC resolved that EM Section may carry out on-site survey and prepare a detailed report regarding actual requirements of illumination as per site conditions within two weeks after the date of receipt of letter. The same report will be put up before the next ensuing meeting of EAC.

16. **To discuss regarding the process of installation of piped music.**

In view of the cost estimate received from CPWD vide letter no. 20(7)/CED/23022/985 Dated 24.05.2022, the matter regarding installation of piped music was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that necessary approval may be obtained from the competent authority of the Institute before putting up the cost estimate in the B&WC.

Contd P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

3506/374 | 2086

Dated 30.06.2022

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Provision of sound proofing wall of SAC music room. (EAC item No.-10).

Reference: Your office letter no. 24(NIT)/AE/KSD/2022/103 dated 05.05.2022

In continuation to letter under reference, it is intimated that the competent authority of the Institute has desired to make provision of sound proofing wall of SAC music room.

In this regard, it is therefore, requested to submit the cost estimate for repairs works along with sound proofing work in the SAC music room at the earliest so that an early action may be taken accordingly.

This is for information and further necessary action please.

29.6.22

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar Faculty I/C (E&C)
3. Dean (P&D)
4. Prof. I/ (Students' Club)
5. A.E. (Civil)
6. Superintending Engineer (Civil), CPWD, Kamal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Kamal-132001
7. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office

ESTATE SECTION
Diary No. 1082
Dated 22/7/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.kni.cpwd@nic.in

संख्याः- 20(NIT-KKR)/यो.शा./क.मं/2022/1740 दिनांक..20.07.2022

PL put up in EAC meeting

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

For SC/(E&C), For SC (EM&T)

A.E(W)

विषय : **Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra, Haryana.**

संदर्भ : आपका पत्र सं० CC/3506/241/1234 दिनांक 13.04.2022 एवं CC/3506/374/2086 दिनांक 30.06.2022

महोदय,

उपरोक्त कार्य का विस्तृत प्रारम्भिक अनुमान जिसकी राशि 34,52,000/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। इस अनुमान की आवश्यकता को अनुमान की हिस्ट्री शीट मे वार्णित किया गया है।

आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें एवं कार्य की स्वीकृति करते समय "लेखा शीर्ष" (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न : उपरोक्त दो प्रतियों में।

भवदीय,

Prashant 20/07/22
(प्रशांत अग्रवाल)
कार्यपालक अभियन्ता
करनाल मण्डल, के.लो.नि.वि।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 24(8)/A.E/K.S.D/2022/169 दिनांक 08.07.2022 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: B & R

Division: KD
Sub-Division: KKR

NAME OF WORK: **Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 34,52,000/-.**

History: This preliminary cum detailed estimate amounting to **Rs. 34,52,000/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **Prof. I/C (Estate & Construction), NIT Kurukshetra** vide letter **No. CC/3506/241/1234 Dated 13.04.2022 & CC/3506/374/2086 dated 30.06.2022.** Hence this preliminary estimate has been prepared.

Design & Scope: **The following provisions have been made in this preliminary cum detailed estimate:**

1. Providing and laying in position cement concrete of specified grade with 1:2:4 to raise the plinth protection level around building.
2. Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 with Cement mortar 1:6 (1 cement: 6 coarse sand) for edge toe wall around plinth protection.
3. Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes for replacement of damaged shutters.
4. Providing and laying Polished Granite stone flooring in required design and patterns with 18 mm thick in front steps of entry.
5. 15 mm & 12 mm cement plaster for deteriorated cement plaster of walls.
6. Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre Two or more coats on new work.
7. Providing & fixing false ceiling with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles for sound proofing with glass wool in Dance room 1,2 & Instument room.
8. Providing and fixing in position wall paneling at all heights with Fully Perforated GRG (Glass Fiber Reinforced Gypsum) panels/tiles for sound proofing in Dance room 1,2 & Instument room.
9. Providing and laying integral cement based water proofing treatment of terraces/gutters
10. Cement concrete pavement from road to entry.

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including

Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction Indicated In the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.

2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on **DSR–2021** rates.
Method:	Through contract after call of tender.
Time:	**120 Days (After receipt of A/A & E/S)**
Cost:	**Rs. 34,52,000/- i/c contingencies.**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. **This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.**

20/7/22
Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Prashant 20/7/22
Executive Engineer-Karnal
CPWD, Karnal

Original Estimate

Name of Work:-	Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement , replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra, Haryana.

Sl. No	DSR No.	Description	Qty	Unit	Rate	Amount
1.1	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge:				
1.1.1	2.1.1	All kinds of soil	670	sqm	107.00	71690.00
1.2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.2.1	2.8.1	All kinds of soil.	20.1	cum	286.85	5766.00
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources).	10.05	cum	7365.15	74020.00
2.1.2	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	5.02	cum	6050.65	30374.00
3	6	MASONRY WORK				
3.1	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
3.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	16.97	cum	6658.25	112991.00
4	9	WOOD AND PVC WORK				
4.1	9.9	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
4.1.1	9.9.1	Second class teak wood				
4.1.1.1	9.9.1.2	30 mm thick	66.18	sqm	4065.50	269055.00
4.2	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
4.2.1	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	19.19	sqm	2015.75	38682.00
4.3	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	19.19	sqm	401.40	7703.00
4.4	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete :				
4.4.1	9.62.2	250x16 mm	10	each	165.90	1659.00
4.5	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
4.5.1	9.63.1	250x10 mm	10	each	74.65	747.00
4.5.2	9.63.2	200x10 mm	10	each	61.05	611.00
4.5.3	9.63.3	150x10 mm	138	each	53.05	7321.00
4.6	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :				
4.6.1	9.66.1	125 mm	20	each	35.20	704.00
4.6.2	9.66.2	100 mm	70	each	28.25	1978.00
4.7	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.				
4.7.1	9.135.1	With 2nd class teak wood beading 62X19 mm	13.43	sqm	1404.25	18859.00

5	10	STEEL WORK				
5.1	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	3.75	sqm	9397.35	35240.00
6	11	FLOORING				
6.1	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
6.1.1	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	38.07	sqm	3908.80	148808.00
7	12	ROOFING				
7.1	12.21	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
7.1.1	12.21.1	In 75x75 mm deep chase	134	metre	260.20	34867.00
8	13	FINISHING				
8.1	13.4	12 mm cement plaster of mix :				
8.1.1	13.4.1	1:4 (1 cement: 4 coarse sand)	235.2	sqm	307.25	72265.00
8.2	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
8.2.1	13.5.1	1:4 (1 cement: 4 coarse sand)	428.57	sqm	354.50	151928.00
8.3	13.9	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
8.3.1	13.9.1	12 mm cement plaster	234.76	sqm	386.55	90746.00
8.4	13.42	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.				
8.4.1	13.42.1	Two or more coats on new work	1120	sqm	92.75	103880.00
8.5	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
8.5.1	13.61.1	Two or more coats on new work	200	sqm	131.45	26290.00
8.6	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
8.6.1	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	150	sqm	191.40	28710.00
8.7	13.112	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
8.7.1	13.112.1	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	560	sqm	108.60	60816.00
9	15	DISMANTLING AND DEMOLISHING				
9.1	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
9.1.1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	2.91	cum	2007.10	5841.00
9.2	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
9.2.1	15.12.2	Of area beyond 3 sq. metres	1	each	414.55	415.00
9.3	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				
9.3.1	15.13.1	Of area 3 sq. metres and below	79	each	118.30	9346.00
9.4	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	775.66	sqm	45.05	34943.00
10	16	ROAD WORK				
10.1	16.42	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	9	cum	7399.20	66593.00

11	28	NEW TECHNOLOGIES AND MATERIALS				
11.1	26.26	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm). i.e. 50 mm long, 8 mm outer diameter M-8 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work				
11.1.1	26.26.2	With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.	168.53	sqm	1699.30	286383.00
12	MR	Providing and fixing in position wall paneling at all heights with Fully Perforated GRG (Glass Fiber Reinforced Gypsum) panels/tiles of size 595 x 595mm of approved texture, design and patterns having moisture content less than 2%, having NRC (Noise Reduction coefficient) of 0.80 to 0.85 as per IS 8225:1987, Light reflectance of 75% to 85% (minimum). Non combustible as per BS:476 (part-4)-1970, fire performance as per BS:476 (part 6 &7), humidity resistance of 99%, comprising of a frame made from especially fabricated galvanised mild steel sheet 0.50 mm thick pressed section (galvanizing @120 grams per sqm including both sides) i.e. vertical studs of size 48 x 34 x 36 mm are placed at 600mm center to center in a floor and ceiling channel section of size 50 x 32m fixed to the floor and soffit at 600mm centers using 12mm dia,50mm long wedge type expanded zinc alloy dash fastener with 10mm bolt. This same channel is then to be fixed in horizontal direction at 600mm center to center so as to form a grid of 600mm x 600mm. Glass wool of 50mm thickness is then to be inserted in the slots and finally calcium silicate non combustible panels/tiles are to be screw fixed with self tapping pan head nickel coated mild steel screws of size 13 x 3.2mm on to this grid leaving	223.29	Sqm	2681.80	598819.00
13	MR	Providing and fixing 50mm thick glass wool of approved brand and manufacture of density 24 Kg/m3 on top of GRG tile including applying adhesive and pasting glass wool on tile and placing in position as per direction of Engineer-in-charge.	168.53	Sqm	336.50	56710.00
14	MR	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge :	775.68	Sqm	642.30	498206.00
		TOTAL			**(A)**	**2952966.00**
		Add Contingencies on (A) @	5.00%			147648.00
		Add EPF & ESIC on (A) @	11.90%			351403.00
		GRAND TOTAL				**3452017.00**
					Say Rs.	**34,52,000/-**

Sr. Draughts Man
CPWD, Kamal

Assistant Engineer (P)
CPWD, Kamal

Executive Engineer-Kamal
CPWD, Kamal

Minutes of meeting held on 12.09.2022

5. **To discuss the preliminary cum detailed cost estimate of Rs. 34,52,000/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1740 dated 20.07.2022 regarding Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra (received on 22.07.2022).**

The preliminary cost estimate of Rs. 34,52,000/- for Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval. Further, regarding the request received from Prof. I/C (Student Club) for the installation of 8 nos. ACs in the SAC, the EAC resolved that the installation of ACs in the SAC building may be taken up after completion of the above said renovation works.

6. **To discuss the preliminary cum detailed cost estimate of Rs. 78,03,300/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1741 dated 20.07.2022 regarding finishing work in the all Academic buildings at NIT Kurukshetra (SH: finishing walls with exterior paints & misc. repair).**

The preliminary cum detailed cost estimate of Rs. 78,03,300/- for finishing work in the all Academic buildings (SH: finishing walls with exterior paints & misc. repair) received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval.

7. **To discuss the request received from Chief Warden (Hostels) vide no. CW/VK/2022/165 dated 13.08.2022 regarding requirement of additional hostels and guest room facilities for students and guests.**

The request received from the Chief Warden (Hostels) was put up before the Estate Affairs Committee. The Estate Affairs Committee deliberated on the matter and resolved that a multistorey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No.-11 measuring of approx. size (175 mtr. x 102 mtr.). Further, it was resolved that a requisition may be sent to CPWD to submit the preliminary cost estimate on plinth area basis for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts etc. The common amenities like mess, dinning hall & common room etc. will be provided in a new multistorey building for the above said proposed hostel and the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the trees/plants of different species are standing in the pocket is to be removed/replanted by H&L Section for the construction of the above said work. The preliminary cost estimate on plinth area basis will be put in the next EAC meeting.

8. **To discuss the detailed cum preliminary cost estimate of Rs. 14,09,500/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1933 dated 20.08.2022 regarding water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra.**

The detailed cum preliminary cost estimate of Rs. 14,09,500/- for water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the cost estimate may be put before the ensuing B&WC meeting for approval.

BWC 29.8 To consider and approve the preliminary cum detailed cost estimate for finishing work in the All-Academic Buildings at NIT Kurukshetra.
SH: Finishing Walls with Exterior Paints & Misc. repair.

In reference to the minutes of the meeting held on 19.04.2022 under the Chairmanship of Hon'ble Director, received from Dean (Academic) on 28.04 2022 regarding all the buildings of the Institute may be got white washed as per need and Institute maintenance norms. The same was put up before the Estate Affairs Committee meeting held on.25.05.2022. The EAC recommended that a letter may be sent to CPWD for submission of cost estimate (building wise) for external paintings of all academic buildings and the same was approved by the competent authority of the Institute. After approval of the competent authority, Executive Engineer (Civil) CPWD, Karnal was intimated vide letter No. C/3506/371/2089 dated 30.06.2022.

In response to the above the preliminary cum detailed cost estimate amounting to Rs 78,03,300/- has been received from Executive Engineer CPWD Karnal vide No. 20(NIT-KKR)/PS/CD/2022/1741 dated 20.07.2022 for finishing work in the all-Academic buildings at NIT Kurukshetra, SH: Finishing walls with exterior paints & misc. repair. The cost estimate received from CPWD was put up before the EAC held on 12.09.22. The EAC discussed in detail & deliberated and recommended that the preliminary cost estimate of Rs 78,03,300/- for the above said work may be put up before the ensuing B&WC meeting for necessary approval and the same was approved by the competent authority. Copies enclosed as **Appendix 29.8 (i) from pages 211 to 220.**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate for an amount of Rs 78,03,300/- for finishing work in the all-Academic buildings at NIT Kurukshetra, SH: Finishing Walls with Exterior Paints & Misc. repair.*

Appendix 29.8 (i)

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Minutes of the meeting held on 19.4.2022 in the Board Room of the Institute

A meeting of all Deans and HoDs was held on 19.4.2022 at 4.30 p.m. in the Board Room of the Institute under the Chairmanship of Hon'ble Director. The following were present:

1. Prof. Brahmjit Singh, Dean (P&D)
2. Prof. Sathans, Dean (Academic)
3. Prof. Dixit Garg, Dean (SW) & Chief Warden (Boys)
4. Prof. S.M. Gupta, Dean (IIR)
5. Prof. Mahesh Pal, Dean (R&C)
6. Prof. K.K. Singh, HOD, Civil Engg.
7. Prof. P.C. Tiwari, HOD Mech.Engg.
8. Prof. Vrinda Gupta, HOD ECE
9. Prof. Jitender Kumar Chhabra, HOD Computer
10. Prof. Ashavani Kumar, HOD Physics
11. Prof. J.K. Kapoor, HoD, Chemistry
12. Prof. Paras Ram, HOD Maths.
13. Prof. Vikas Choudhary, HOD Humanities
14. Prof. Ashutosh Kumar Singh, HOD CA
15. Prof. Rajender Kumar, HOD BA
16. Prof. Jyoti Ohri, Elect. Engg.

After detailed deliberations, following decisions were taken:

1. It was decided to constitute a Student Council. The guidelines and terms of reference for the same will be formulated by a Committee comprising the following:

(i)	Dean (SW)	Chairman
(ii)	Dean (IIR)	Member
(iii)	Dean (Acad.)	Member
(iv)	Chief Warden (Boys & Girls)	Member

   (action to be taken by Dean (SW))

2. Remedial classes be arranged for 10 days for the students of even semester of AY 2021-22 on suitable time slots to address the difficulties faced by the students, if any. The time table may be prepared and notified (including on Institute website)

for the same with a copy to the office of Dean (Acad.) **(action to be taken by all HoDs/School Coordinators)**

3. In view of the Diamond Jubilee Celebrations commencing 1st July 2022, all buildings of the Institute may be got white-washed as per need and Institute maintenance norms. **(action to be taken by Prof. I/C (Estate & Construction))**
4. CCN facilities need improvement in terms of augmentation of the bandwidth upto at least 10 GBPS and providing wireless internet connectivity all over the Institute campus. Further, CCTVs may be got installed in the entire campus. **(action to be taken by Prof. I/C CCN)**
5. Proper illumination along the pedestrian tracks, cycle tracks and proper upkeep of these tracks may be ensured. **(action to be taken by Prof. I/C (Estate & Construction)**
6. The process for installation for piped meals may be expedited. **(action to be taken by Prof. I/C (Estate & Construction)**
7. Both Institute level and department level time tables may be prepared more descriptively. **(action to be taken by Prof. I/C (Institute time table) and HoDs/School Coordinators)**
8. Promising brilliant sports persons among the students may be identified and groomed with special attention by providing facilities as required in terms of training and nutrition etc. **(action to be taken by Prof. I/C Sports)**
9. In celebration of 75 years of independence - 'Azadi Ka Amritmahotsav" - 75 days yoga training may be organized and the schedule for the same may be notified. **(action to be taken by Prof. I/C Sports)**

28/4/22

Dean (Academic)

Registrar Incharge 28/04/22

Director

Fac IIc (HSL), Fac IIc (ESC), Fac IIc (EMST), Fac IIc (EAC)

28/4/22

29.4.2022

May be put in EAC.

SS(A)/IESC

2/5/22

EAC Minutes of Meeting held on 25.5.22

8. **To discuss the issue regarding decrease in width of the road, and increase in the depth and width of drainage area on both sides of the road between the houses lines BC-1.... BC-3 and BA-4.... BA-6**
The matter was discussed in the meeting of Estate Affairs Committee; it was resolved that the Estate Section may prepare the cost estimate for remedial measures for above locations along with roads between BB Type Houses and Girls Hostel as well within two weeks after the date of receipt of letter.

9. **To discuss a request received from Faculty I/C (H&L) on dated 05.05.2022 regarding requirement of water supply system for watering the lawns.**
The matter regarding requirement of water supply system for watering the lawns was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Faculty I/C (H&L) may make temporary arrangement for use of treated water generated from the STP. Further, it was also decided that A/A & E/S may be processed for already approved work of design of treated water supply line from STP to dual flushing system in 600 seater Girls Hostel, 300 seater Multi-Purpose Boys Hostel, Mega Boys Hostel & Horticulture purpose.

10. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/103 dated 05.05.2022 regarding provision of sound proofing wall of SAC music room.**
The matter regarding provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. In view of the reply received from A.E. (Civil), CPWD vide letter no. 24(NIT)AE/KSD/2022/103 dated 05.05.2022, EAC resolved and recommended that cost estimate for repairs works along with sound proofing work may be obtained from CPWD.

11. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/101 dated 05.05.2022 regarding provision of cycle path parallel to the existing roads.**
The matter regarding provision of cycle path parallel to the existing roads was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials jointly may explore the possibility of providing cycle path parallel to existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions within two weeks after the date of receipt of letter.

12. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/102 dated 05.05.2022 regarding construction of an Academic building (New Lecture Hall Complex).**
The matter regarding construction of an Academic building (New Lecture Hall Complex) was discussed in the meeting of Estate Affairs Committee in view of the reply received form the CPWD vide no. 24(NIT)/AE/KSD/2022/102 dated 05.05.2022. The EAC resolved and recommended that a letter may be communicated to the Dean (Academic) regarding requirements of nos. of Lecture Halls alongwith capacity in view of increase in students intake in future.

13. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/107 dated 10.05.2022 regarding construction of water harvesting Pits/Rain water harvesting system.**
The matter regarding construction of water harvesting Pits/Rain water harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials may discuss and identify the feasibility of providing rain water harvesting along the drains. The EAC also recommended that the buildings such as (Hostel No. 7 to 10, Kalpana Chawala Hostel, MBA/MCA Building, Golden Jubilee Administrative Building and CT/BT Building) may be considered for providing roof top rain harvesting system.

14. **To discuss regarding painting of all Academic Buildings.**
The matter regarding painting of all academic buildings in reference to the minutes of meeting held on 19.04.2022 under the chairmanship of Hon'ble Director was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to CPWD for submission of cost estimate (Building wise) for external painting of all Academic Buildings.

15. **To discuss regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks.**
The matter regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks was discussed in the meeting of Estate Affairs Committee. The EAC resolved that EM Section may carry out on-site survey and prepare a detailed report regarding actual requirements of illumination as per site conditions within two weeks after the date of receipt of letter. The same report will be put up before the next ensuing meeting of EAC.

16. **To discuss regarding the process of installation of piped music.**
In view of the cost estimate received from CPWD vide letter no. 20(7)/CED/23022/985 Dated 24.05.2022, the matter regarding installation of piped music was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that necessary approval may be obtained from the competent authority of the Institute before putting up the cost estimate in the B&WC.

Contd. P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/371/2089 Dated 30.06.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Regarding painting of all Academic Buildings. (EAC Item No.-14)

The competent authority of the Institute has desired painting on all academic buildings.

In this regard, it is requested to submit the cost estimate (Building wise) for external painting of all Academic Buildings so that an early action may be taken accordingly.

This is for information and further necessary action please.

29.06.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar Faculty I/C (E&C)
3. Dean (P&D)
4. A.E. (Civil)
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office

ESTATE SECTION
Diary No. 1083
Dated. 22/7/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.knl.cpwd@nic.in

संख्याः- 20(NIT-KKR)/यो.शा./क.मं/2022/1741 दिनांक. 20.07.2022

Pl put up in EAC meeting

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

Fae IIc (E&C), Fae IIc (CEMAT)

A-E (W)

विषय : **Finishing work in the all Academic buildings at NIT Kurukshetra, Haryana. SH: Finishing walls with exterior paints & misc repair.**

संदर्भ : आपका पत्र सं० CC/3506/371/2089 दिनांक 30.06.2022

महोदय,

उपरोक्त कार्य का विस्तृत प्रारम्भिक अनुमान जिसकी राशि 78,03,300/- रुपये है, दो प्रतियों में संलग्न किया जाता हैं। इस अनुमान की आवश्यकता को अनुमान की हिस्ट्री शीट मे वार्णित किया गया है।

आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें एवं कार्य की स्वीकृति करते समय "लेखा शीर्ष" (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न : उपरोक्त दो प्रतियों में।

भवदीय,

Prashant
(प्रशांत अग्रवाल) 20/07/22
कार्यपालक अभियन्ता
करनाल मण्डल, के.लो.नि.वि।

प्रतिलिपि :-

1. सहायक अभियंता, कुरुक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को उनके पत्र सं० 24(8)/A.E/K.S.D/2022/175 दिनांक 15.07.2022 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: Karnal**

NAME OF WORK: **Finishing work in the all Academic buildings at NIT Kurukshetra, Haryana.**
SH: Finishing walls with exterior paints & misc repair.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 78,03,300/-.**

History: This preliminary cum detailed estimate amounting to **Rs. 78,03,300/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **Prof. I/C (Estate & Construction), NIT, Kurukshetra** vide **letter No. CC/3506/371/2089 Dated 30.06.2022.** Hence this preliminary estimate has been prepared.

Design & Scope: **The following provisions have been made in this preliminary cum detailed estimate:**

1. Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:
2. Painting with synthetic enamel paint of approved brand and manufacture ofrequired colour to give an even shade.
3. Repair of damaged plaster surface.

Note:- **The above provision have been taken for the following Academic buildings i.e. New Workshop Building, Gallery /Connecting Corridors, Open air theatre, Teachers flat, Market, New Admn. Block, Library, Student Activity center, Jubilee Hall, Guest house, Health center, Mechanical Engg. Deptt., Civil Engg. Deptt, Deptt. of applied mechanics, Electronics & communication , Centre of computer & networking deptt., Old Admin Building, Gole Canteen, Cycle Stand, 11 K.V. Electrical Sub-Station, Renewal energy and efficiency, Old power house, 12 Nos. Lecture Hall, Workshop & Examination Hall.**

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction Indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate

authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.

4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Based on **DSR–2021** rates.

Method: Through contract after call of tender.

Time: **120 Days (After receipt of A/A & E/S)**

Cost: **Rs. 78,03,300/- i/c contingencies.**

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

20/7/22
Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Prashant 20/07/22
Executive Engineer-Karnal
CPWD, Karnal

Original Estimate

Name of Work:-		Finishing work in the all Academic buildings at NIT Kurukshetra, Haryana. SH: Finishing walls with exterior paints & misc repair.				
SL. No.	DSR No.	Description	Qty	Unit	Rate	Amount
1	13	FINISHING				
1.1	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
1.1.1	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	500	sqm	162.35	81175.00
1.2	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
1.2.1	13.99.1	One or more coats on old work	6625	sqm	86.55	573394.00
1.3	13.106	Painting (one or more coats) with black Japan paint of approved brand and manufacture to give an even shade.	410	sqm	78.60	32226.00
1.4	13.112	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
1.4.1	13.112.1	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	17375	sqm	108.60	1886925.00
1.4.2	13.112.2	Old work (one or more coats applied @ 0.83 ltr/10 sqm).	52125	sqm	74.10	3862463.00
2	14	REPAIRS TO BUILDING				
2.1	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
2.1.1	14.1.2	With cement mortar 1:4 (1cement: 4 coarse sand)	500	sqm	478.00	239000.00
		TOTAL				**6675183.00**
		Add Contingencies on (A) @	5.00%			333759.00
		Add EPF & ESIC on (A) @	11.90%			794347.00
		GRAND TOTAL				**7803289.00**
					Say Rs.	**78,03,300/-**

Sr. Draughts Man	Assistant Engineer (P)		Executive Engineer-Karnal	
CPWD, Karnal	CPWD, Karnal		CPWD, Karnal	

Subject: Minutes of meeting regarding to discuss the matters pertaining to Planning & Development Activities of the Institute held on 09.02.2023 at 03.30 PM in the Board Room of Golden Jubilee Administrative Building under the Chairmanship of Hon'ble Director.

A meeting regarding to discuss the matters pertaining to Planning & Development Activities of the Institute held on 09.02.2023 at 03.30 PM in the Board Room of Golden Jubilee Administrative Building under the Chairmanship of Hon'ble Director at NIT, Kurukshetra.

Following were present:

1.	Prof. B.V. Ramana Reddy, Hon'ble Director	Chairman
2.	Prof. Brahmjit, Dean (P&D)	Member
3.	Prof. Praveen Aggarwal, Assoc. Dean P&D for (E&C)	Member
4.	Prof. N.P. Singh Associate Dean(P&D)	Member
5.	Dr. Kiran Kumar Jatadi, Faculty I/C (EM&T)	Member
6.	Dr. H.D. Chalak, Faculty I/C (E&C)	Member
7.	Dr. Moh. Firoz, Faculty I/C (Accounts)	Member
8.	Dr. Ashwani, Faculty I/C (Stores)	Member
9.	Dr. Anil Dahiya, Faculty I/C (H&L)	Member
10.	Er. Ashish Kumar Choudhury, A.E. (Elect.)	Member
11.	Sh. Rajesh Kumar, Junior Engineer (Civil)	Member

However, Er. S.N. Kaushik, A.E. (Civil) SG-I & Sh. Rakesh Kumar, J.E. (Elect.) could not attend the meeting being on leave.

Following issues were discussed and resolved as under:

1. The matter regarding the duties & responsibilities of the existing manpower in the Estate Section was discussed in the meeting. During the meeting, the role and responsibilities of the officials of the Estate Section was apprised which is maintenance and development of Civil/ Electrical infrastructure.

2. The matter regarding Sanitation & Cleanliness including solid waste management of the Institute was discussed. In the meeting it is resolved that the segregation of garbage at their sources i.e. Hostels, Residences must be ensured. Further, it was also resolved that the conversion of garbage to compost may be explored by the Sanitation & Cleanliness Section. It was suggested in the meeting that awareness drives regarding segregation of waste and cleanliness drives with the help of NCC/NSS Cadets may be organized from time to time. Further, The Sanitation & Cleanliness Section may work to make the Institute most clean campus in the next year.

3. The matter regarding Horticulture & Landscaping Section was discussed in the meeting and it was resolved that H&L Section may work to make the Institute most green campus in the next year by afforestation in a planned manner.

4. The matter regarding Electrical Maintenance and Telephone Section was discussed in the meeting and it was resolved that EM&T Section may take necessary steps to achieve net zero emission in the upcoming structures utilizing Natural Sunlight, Air and IOT based lighting system.

EAC Minutes of Meeting held on 12.09.2022

5. **To discuss the preliminary cum detailed cost estimate of Rs. 34,52,000/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1740 dated 20.07.2022 regarding Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra (received on 22.07.2022).**

The preliminary cost estimate of Rs. 34,52,000/- for Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval. Further, regarding the request received from Prof. I/C (Student Club) for the installation of 8 nos. ACs in the SAC, the EAC resolved that the installation of ACs in the SAC building may be taken up after completion of the above said renovation works.

6. **To discuss the preliminary cum detailed cost estimate of Rs. 78,03,300/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1741 dated 20.07.2022 regarding finishing work in the all Academic buildings at NIT Kurukshetra (SH: finishing walls with exterior paints & misc. repair).**

The preliminary cum detailed cost estimate of Rs. 78,03,300/- for finishing work in the all Academic buildings (SH: finishing walls with exterior paints & misc. repair) received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval.

7. **To discuss the request received from Chief Warden (Hostels) vide no. CW/VK/2022/165 dated 13.08.2022 regarding requirement of additional hostels and guest room facilities for students and guests.**

The request received from the Chief Warden (Hostels) was put up before the Estate Affairs Committee. The Estate Affairs Committee deliberated on the matter and resolved that a multistorey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No.-11 measuring of approx. size (175 mtr. x 102 mtr.). Further, it was resolved that a requisition may be sent to CPWD to submit the preliminary cost estimate on plinth area basis for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts etc. The common amenities like mess, dinning hall & common room etc. will be provided in a new multistorey building for the above said proposed hostel and the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the trees/plants of different species are standing in the pocket is to be removed/replanted by H&L Section for the construction of the above said work. The preliminary cost estimate on plinth area basis will be put in the next EAC meeting.

8. **To discuss the detailed cum preliminary cost estimate of Rs. 14,09,500/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1933 dated 20.08.2022 regarding water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra.**

The detailed cum preliminary cost estimate of Rs. 14,09,500/- for water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the cost estimate may be put before the ensuing B&WC meeting for approval.

BWC 29.9 To consider and approve the preliminary cum detailed cost estimate for the provision of cycle parking adjacent to existing parking near main gate kirmich road on west side at NIT, Kurukshetra, Haryana.

The requisition regarding provision of Cycle Parking adjacent to existing parking near main gate along kirmach road on west side was received from Registrar In-charge on 28.06.2022 and allowed by the competent authority of the Institute on 29.06.2022 vide item no-2. The same was discussed in the Estate Affairs Committee meeting held on 20.07.2022 vide item no.-9(ii). The EAC decided that the provision of cycle parking adjacent to existing parking near main gate along Kirmach road on west side needs to be explored. After approval of the competent authority, Executive Engineer (Civil) CPWD, Karnal was intimated vide letter No. C/3506/52/3669 dated 31.08.2022 for submission of cost estimate. Copies enclosed as **Appendix 29.9 (i) from pages 222 to 224 .**

In response to the above the preliminary cum detailed cost estimate amounting to Rs.30,30,200/- has been received from Executive Engineer CPWD Karnal vide No. 20(NIT-KKR)/PS/CD/2023/297 dated 23.02.2023 for the provision of cycle parking adjacent to existing parking near main gate kirmich road on west side at NIT, Kurukshetra, Haryana. Copies enclosed as **Appendix 29.9 (ii) from pages 225 to 230 .**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate for an amount of Rs. 30,30,200/- for the provision of cycle parking adjacent to existing parking near main gate kirmich road on west side at NIT, Kurukshetra, Haryana.*

Appendix 29.9 (i)

The following points were decided for the development of the campus:

1. Development of parking area at various locations in the Institute i.e area between main road and sports ground towards south side by removing kerb stone before the entrance of gate and providing ramp, cutting of grass & pruning of trees etc.

2. Provision of Cycle Parking adjacent to existing parking near main gate along kirmach road on west side. The tractor implements may be shifted from the existing parking. The existing structure near tube well towards north side of main road seems in bad condition and the same may be demolished. Subsequently, the provision of fountain may be made on the same place.

3. Provision of parking for two wheelers from the chowk near Hostel No.11 to parking area near MBA/MCA Block along the footpath may be made by removing the kerb stone exist along the road.

4. Provision of parking for four wheelers along the main storm water drain towards south side (Land adjacent to Hostel No.10) may be made and also make provision of two access across the main storm water drain.

5. Provision of a gate in the boundary near Computer Engg. block for pedestrian to facilitate the staff and students to enter from this gate in the Department of Computer Engg., Library EC&CE Deptt., CCN and other Departments by making access upto the boundary from the main road.

6. A passage from main road may be left between bearer barracks and boundary wall of Hostel No.5 to facilitate the bearers as the work of boundary wall of Hostel No.5 has to be executed by CPWD.

7. Replacement of existing path along the main road with colourful paver block from chowk near Hostel No.4 to NIT chowk, NIT chowk to Girls Hostel and NIT chowk to Main gate towards KUK.

8. Provision for covering of existing foot paths with fibre sheet shed to facilitate the students and staff including the provision of lighting arrangement from

   i) Chowk near Hostel No.4 to EC&CE Deptt. near south west corner of park.
   ii) Barrier of Girls Hostel to Computer Engg. Deptt. connecting corridor.
   iii) Chowk near Hostel No.11 to MBA/MCA block.

Registrar In-charge 28/06/22

Director Allowed. 29/06/22

Dean P&D 29.06.2022

PIC [E&C]

EAC Minutes of meeting held on 20.07.2022

6. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD vide letter no. 20(NIT)PS/CD/2022/1323 dated 08.06.2022 regarding construction of a Fountain in the Guest House.**

The cost estimate of Rs. 8,81,900/- received from Executive Engineer (Civil), CPWD for the above said work was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the cost estimate submitted by CPWD may be approved by the competent authority. After approval of competent authority, the A/A & E/S may be conveyed to CPWD for its execution.

7. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT)/PS/CD/2022/1322 dated 08.06.2022 regarding Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus.**

The cost estimate of Rs. 40,43,300/- received from Executive Engineer (Civil), CPWD, Karnal for the above said work was discussed in the meeting of Estate Affairs Committee. The EAC resolved that a detailed list of sign boards alongwith size, colour and locations may be obtained form CPWD so that further course of action may be decided.

8. **To discuss a request received from the Chief Warden (Boys) vide dated 10.06.2022 regarding Supply of fresh water in Hostel No. 11.**

The request received from Chief Warden (Boys) was put up before the EAC meeting. The EAC was apprised that similar type of water supply is available in the multistoreyed buildings i.e. Mega Boys Hostel (1000 capacity), Kalpana Chawla Girls Hostel and CT/BT type houses, so EAC recommended that the request was not acceded to.

9. **To discuss the report on campus site visit by the Hon'ble Director on dated 27.06.2022.**

i **Development of parking area at various locations in the Institute i.e. area between main road and sports ground towards south side by removing kerb stone before the entrance of gate and providing ramp, cutting of grass & pruning of trees etc.**

The EAC was apprised that the work of removing of kerb stone before the entrance of gate, cutting of grass & pruning of trees etc. has already been executed. The provision of providing ramp has already been taken in the cost estimate for the work of repair maintenance of existing foot path along the various road in the Institute.

ii **Provision of Cycle Parking adjacent to existing parking near main gate along Kimach roadon west side. The tractor implements may be shifted from the existing parking. The existing structure near tube well towards north side of main road seems in bad condition and the same may be demolished. Subsequently, the provision of fountain may be made on the same place.**

The EAC was apprised that the tractor implements have been shifted from the existing parking. It was resolved that the existing structure near tube well towards north side of main road be demolished & the cost estimate for the provision of fountain may be obtained form the CPWD. Further it was decided that the provision of cycle parking adjacent to existing parking near main gate along Kimach road on west side needs to be explored.

iii & iv **Provision of parking for two wheelers from the chowk near Hostel No. 11 to parking area near MBA/MCA Block along the footpath may be made by removing the kerb stone exist along the road.**

Provision of parking for four wheelers along the main storm water drain towards south side (Land adjacent to Hostel No.-10) may be made and also make provision of two access across the main storm water drain.

The EAC was apprised regarding the points no. iii & iv. The EAC resolved & decided that implementation plan will be worked out in consultation with the competent authority of the Institute.

Contd... P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. CC/3506/ 521 /3669

Dated 31.08.2022

To

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: To submit the cost estimate for the provision of cycle parking adjacent to existing parking near main gate along kirmich road on west side - regarding (EAC meeting Item No.-9(ii) dated 20.07.2022)

The competent authority of the Institute desired to make a provision of cycle parking adjacent to existing parking near main gate along kirmich road on west side.

In this regard, it is requested to submit the cost estimate for the above said work as cited in the subject so that an early action may be taken accordingly.

This is for information and further necessary action please.

31.08.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD, NIT camp office, Kurukshetra

ESTATE SECTION
Diary No. 403
Dated 24/02/23

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.knl.cpwd@nic.in

संख्याः- 20(NIT_KKR)/यो.शा./क.मं/2023/297 दिनांक 23/02/2023

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

27/2/23
F/E(E&C)

AD(E&C)
Sir,
This may be put in BAC.
27/2

विषय : Provision of cycle parking adjacent to existing parking near main gate kirmich road on west side at NIT, Kurukshetra, Haryana.

संदर्भ : आपका पत्र सं० CC/3506/521/3669 दिनांक 31.08.2022

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रुपये 30,30,200/- है आपके कार्यालय से प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू संलग्न है।

कार्य की आवश्यकता और अनुमान के प्रावधानों को रिपोर्ट में दर्शाया गया है। अतः आपसे अनुरोध है कि कार्य की मंजुरी भेजते समय "लेखा शीर्ष" जिसके अतंर्गत व्यय किया जाना है, सूचित किया जाए तथा अनुमोदित प्राक्कलन की एक प्रति भी संलग्न करें।

भवदीय,
23/02/2023
(देवेन्द्र सिंह)
कार्यपालक अभियन्ता-करनाल

संलग्न : उपरोक्तानुसार।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 24(8)/स.अ./कु.उ.म./2023/29 दिनांक 04.02.2023 के संदर्भ में सूचनार्थ प्रेषित है।

कार्यपालक अभियन्ता-करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: KKR**

NAME OF WORK: Provision of cycle parking adjacent to existing parking near main gate kirmich road on west side at NIT, Kurukshetra, Haryana.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 30,30,200/-.**

REPORT

History: This preliminary cum detailed estimate amounting to **Rs. 30,30,200/-** I/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **client department** vide letter **No. CC/3506/521/3669 Dated 31.08.2022.** Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **The Parking shed 34.20 mtr long and 6.00 mtr wide identical to existing parking shed is provided with following provision.**

1. Structural steel frame work with MS tubes
2. Providing and fixing precoated galvanised iron profile sheets
3. Provision of drain
4. Provision of CC kerb stone and paver blocks alongwith related concrete work

Note:- The Width of shed has been proposed 6.00mtr instead of 8.00mtr to avoid cutting of two big Mango trees and temporary structure of size 11.00 mtr x 3.15mtr needs to demolished/removed

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.

5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Based on DSR – 2021 rates.

Method: Through contract after call of tender.

Time: **90 Days (After receipt of A/A & E/S and sufficient availability of the fund whichever is later)**

Cost: **Rs. 30,30,200/- i/c contingencies.**

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

22/2/23

Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

PRELIMINARY ESTIMATE

Name of Work:- Provision of cycle parking adjacent to existing parking near main gate kirmich road on west side of NIT, Kurukshetra, Haryana.

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	2.3	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m :				
1.1.1	2.3.1	All kinds of soil	110	cum	163.10	17941.00
1.2	2.4	Deduct for not rolling with power roller of minimum 8 tonnes for banking excavated earth in layers not exceeding 20 cm in depth.	-110	cum	4.40	-484.00
1.3	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.3.1	2.8.1	All kinds of soil.	89	cum	218.60	19455.00
1.4	2.28	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
1.4.1	2.28.1	All kinds of soil	484	sqm	28.15	13625.00
2	4	CEMENT CONCRETE (CAST IN SITU)				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	24	cum	7365.15	176764.00
2.1.2	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	70	cum	6050.65	423546.00
2.2	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
2.2.1	4.3.1	Foundations, footings, bases for columns	106	Sqm	332.10	35203.00
3	6	MASONRY WORK				
3.1	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
3.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	15	cum	6658.25	99874.00
4	10	STEEL WORK				
4.1	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
4.1.1	10.16.1	Hot finished welded type tubes	6906	kg	154.90	1069739.00

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
5	12	ROOFING				
5.1	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in- charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	226	sqm	671.55	151770.00
5.2	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws cmplete:				
5.2.1	12.51.1	Ridges plain (500 - 600mm)	34	metre	450.60	15320.00
6	13	FINISHING				
6.1	13.4	12 mm cement plaster of mix :				
6.1.1	13.4.2	1:6 (1 cement: 6 coarse sand)	22	sqm	294.35	6476.00
6.2	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
6.2.1	13.5.1	1:4 (1 cement: 4 coarse sand)	22	sqm	354.50	7799.00
6.3	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix :				
6.3.1	13.7.2	1:4 (1 cement: 4 fine sand)	46	sqm	361.30	16620.00
6.4	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
6.4.1	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	43	sqm	166.65	7175.00
6.5	13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
6.5.1	13.52.1	On steel work	200	sqm	201.70	40340.00
7	16	ROAD WORK				
7.1	16.69	Providing and laying at or near ground level factory made kerb stoneof M-25 grade cement concrete in position to the required line, leveland curvature, jointed with cement mortar 1:3 (1 cement: 3 coarsesand), including making joints with or without grooves (thickness ofjoints except at sharp curve shall not to more than 5mm), includingmaking drainage opening wherever required complete etc. as perdirection of Engineer-in-charge (length of finished kerb edging shallbe measured for payment). (Precast C.C. kerb stone shall be approvedby Engineer-in-charge).	2	cum	8613.55	17227.00

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
7.2	16.91	Providing and laying factory made chamfered edge Cement Concretepaver blocks in footpath, parks, lawns, drive ways or light trafficparking etc, of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour &pattern over 50mm thick compacted bed of sand, compacting andproper embedding/laying of inter locking paver blocks into the sandbedding layer through vibratory compaction by using plate vibrator,filling the joints with sand and cutting of paver blocks as per requiredsize and pattern, finishing and sweeping extra sand. complete all asper direction of Engineer-in-Charge.				
7.2.1	16.91.2	80 mm thick C.C. paver block of M-30 grade with approvedcolor design and pattern.	420	sqm	1011.20	424704.00
7.3	16.93	Providing and placing in position 100 mm thick factory made machinebatched & machine mixed Precast RCC Rectangular Covers ondrains of footpath of various sizes, of M-25 grade cement concretefor RCC work, including cost of centering, shuttering, reinforcementof 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c onboth ways , neat cement punning on finished surface, properlyencased on all edges with 1.6 mm thick , 100 mm wide MS sheetduly painted over priming coat , reinforcement to be welded at edgeswith MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/ccost of cartage, all leads & lift, handling at site etc. all complete asper direction of Engineer-in-Charge.	25	sqm	2617.15	65429.00
		Total				**2608523.00**
		Add GST @6.33% (18% in place of 12% factor) as per OM NO.SE/TAS/GST/20 dated 10.08.2022				165120.00
		Total (A) Rs.			(A)	**2773643.00**
		Add Contingencies on (A) @ 5.00%				138682.00
		Add EPF & ESI on (A) @ 4.25%				117880.00
		Grand Total Rs.				**3030205.00**
		Say Rs.				**30,30,200/-**

Sr. D/Man
CPWD, Karnal

AE(P)
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

BWC 29.10 To consider and approve the cost estimate for the provision of brick partitioning wall with doors, ventilators including repairs to building, internal & external finishing work, chain link fencing surrounding the building, opening of entry gate towards Hostel No-6 alongwith the provision of shade over the porch and approach path etc. in the existing three storeyed bearer barracks comprising of two blocks (Ground, First & Second Floor) at NIT, Kurukshetra.

The request received from Chief Warden (Hostel) vide ref. no. CW/VK/2023/130 dated 05.07.2023 regarding proposal for temporary converting the barrack quarters building into Boys Hostel. Accordingly, the cost estimate of Rs. 73,73,955/- (Rs. 63,09,915/- for Civil work + Rs. 10,64,040/- for Elect. Work) for additions/alterations of half brick partitioning wall and other miscellaneous works prepared by Estate Section for the work as citied in the subject was putup before the Estate Affairs Committee held on 18.07.2023 vide item no.-20. The Estate Affairs Committee resolved that the cost estimate of Rs. 73,73,955/- may be put up before the ensuing Building & Works Committee after approval of the competent authority of the Institute. Copies enclosed as **Appendix 29.10 (i) from pages 232 to 240A**.

The Building & Works Committee may *consider and approve the cost estimate for an amount of Rs. 73,73,955/- (Rs. 63,09,915/- for Civil work + Rs. 10,64,040/- for Elect. Work) for the provision of brick partitioning wall with doors, ventilators including repairs to building, internal & external finishing work, chain link fencing surrounding the building, opening of entry gate towards Hostel No-6 alongwith the provision of shade over the porch and approach path etc. in the existing three storeyed bearer barracks comprising of two blocks (Ground, First & Second Floor) at NIT, Kurukshetra.*

Appendix 29.10 (i)

OFFICE OF THE CHIEF WARDEN (HOSTELS)
NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

Ref. No. CW/VK/2023/130 Dated: 05.07.2023

Subject: Proposal for temporary converting the barrack quarters building into Boys Hostel.

It is to inform that the requirement of hostel seats for male students are about 4775 but at present hostel seats available are only 3739. Therefore there is an urgent need of extra hostel seats for male students for academic year 2023-24.

The 'Barrack' building, made for hostel workers, located near Hostel No. 6, is lying unutilized for about 8 years as the hostel workers have not accepted it in it's current form.

It is proposed to modify these barrack quarters in a manner that they can be utilized as boys hostel temporarily until new hostel facilities as proposed vide letter no. CW/VK/2022/165 dated 13.08.2022 are created in the campus.

The students who will reside here may take their meals in the adjouning Hostel No. 6.

Chief Warden (Hostels)

The same should be made as a Boys Hostel (Regular) with fees facilities allotted to adjacent Hostel/s Taken up w Director 6/7/23.

Director

Copy to:-Dean (SW)

Dean P&D Pl. discuss to formulate the CoA. 6723

Encl: 1. Letter No. Acad./23/059 dated 04.07.2023

2. Letter no. CW/VK/2022/165 dated 13.08.2022

Associate Dean (P&D) for G&C

7/7/23

F/C(G&C) F/C(EMMT) AE(Civil) S&I

for imposition of estimate

AE(C) 10/07/23

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA- 136119

No. Acad./23/1059 Dated: 04.07.2023

Tentative hostel seats details for Odd Semester of A.Y. 2023-24

Sr. No.	Program	Semester	Tentative Male Students	Tentative Female Students	Total
1.	B.Tech	1st	919	228	1147 *
		3rd	885	229	1114
		5th	859	225	1084
		7th	863	221	1084
2.	M.Tech	1st	378	95	473 *
		3rd	228	50	278
3.	MBA	1st	43	10	53 *
		3rd	22	20	42
4.	MCA	1st	76	20	96 *
		3rd	71	23	94
		5th	64	27	91
5.	Ph.D.		295	149	444
6.	M.Sc.	1st	72	18	90 *
7.	Any other program				
Total			4775	1315	6090

* Tentative

Deputy Registrar (Academic)
04/07/23

Chief Warden (Hostels)

Copy to:

1. Dean (P & D)
2. Dean (SW)
3. Registrar office for kind information of Registrar
4. Director office for kind information of Hon'ble Director

OFFICE OF THE CHIEF WARDEN
NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. CW/VK/2022/165 Dated: 13.08.2022

Subject: Requirement of additional Hostels and guest room facility for students and guests.

A meeting of Chief Warden (Hostels), DCWs and all the Wardens of Hostels was held in Conference room of School of Renewable Energy and Efficiency (SREE) of the Institute on 19.07.2022 at 3.30 P.M.

The decision no. 4 is reproduced below:-

"Considering increasing number of students due to EWS quota/Women Quota etc. The proposal for new hostels was discussed and it was decided to send the proposal to the Director for new hostels as below:-

(a) The possibility of constructing additional residential blocks in Hostel Nos. 7, 8 and 9 be explored.

(b) A 1600 capacity multistory boys hostel with 800 rooms (double occupancy) is proposed for 1st year students. The hostel should be fully furnished and should be in "ready to move" condition.

(c) 600 capacity multistory girls hostel with 300 rooms (double occupancy) is proposed. The hostel should be fully furnished and should be in "ready to move" condition.

All equipments including automated mess should be there.

(d) One International hostel of 1000 capacity is proposed with international level facility. Three wings (towers/floors) are proposed for male, female and family with suitable partitions. The hostel should be full furnish and in "ready to move" condition. All equipments including automated mess should be there."

Further, the above decision was re-examined in the meeting of DCWs with Chief Warden, by taking in to account the data available from Academic Section and Hostels. The revised observations and proposal are given below:-

The current capacity of Hostel are 4804 (Boys= 3739 and Girls =1065).

As per the data received from the academic section, the current strength of the students is more than 6600. (The no. of existing students in UG II, III & IV year is 3263, PG II year is 527 and around 220 is under PhD program. The expected first years in UG and PG are around 1650 students. The existing hostel facilities are not sufficient to provide the accommodation to all the students.

Minutes of EAC meeting held on 18-07-2023

for visitor/parents towards inside boundary wall of Bhagirathi Bhawan was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the cost estimate of Rs. 26,61,800/- may be put up in the ensuing meeting of B&WC for approval.

17. **To discuss regarding the cost estimate for washroom at NIT Gate KUK side.**

The cost estimate of Rs. 20,73,788/- for washroom at NIT Gate KUK side was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the cost estimate of Rs. 20,73,788/- for the construction of washroom at NIT Gate KUK side may be put up in the ensuing meeting of B&WC for approval.

18. **To discuss the proposal for 10 ft. PVC Coated Galvanized Chain Link Fence Boundary in the Sports Complex from KUK Gate to Swimming Pool area via Administrative Building.**

The proposal for 10 ft. PVC Coated Galvanized Chain Link Fence Boundary in the Sports Complex from KUK Gate to Swimming Pool area via Administrative Building was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that Estate Section may prepare the cost estimate as per requirement with the provision of partly brick & partly MS grillwork and same may be conveyed to Sports Section for funds.

19. **To discuss the request received from Chief Warden (Hostels) vide no. CW/VK/2022/165 dated 13.08.2022 regarding requirement of additional Hostels and guest room facility for students & guest.**
a) The possibility of constructing additional residential block in the Hostel No. 7, 8 & 9.
b) A 1600 capacity multistory boys hostel with 800 rooms (double occupancy) is proposed for 1st year students. The hostel should be with all the necessary amenities including mess provision.
c) 400 capacity multistory girls hostel with 200 rooms (double occupancy) is proposed. The hostel should be with all the necessary amenities including automated mess facility.
d) As per the academic data, the UG intake is about 1154 plus 10% of the supernumerary seats for DASA, MEA, ICSR and study in India quota (115/year). One international hostel of 600 capacity is proposed with international level facilities. Three wings (towers/floors) are proposed for male, female and family with suitable partitions. The hostel should be fully furnished and all equipment's including automated mess facility with all the necessary amenities.

The request regarding requirement of additional Hostels and guest room facility for students & guest was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the project may be taken up in the EoI. Further, projects which are taken up in the EoI (List enclosed as annexure-II).

20. **To discuss the request received from Chief Warden (Hostels) vide no. Ref. No. CW/VK/2023/130 dated 05.07.2023 regarding Proposal for temporary converting the barrack building into Boys Hostel i.e. 3 storeyed bearer barracks comprising of 2 blocks at all floors (Ground, First & Second).**

The request regarding proposal of converting the barrack building into Boys Hostel i.e. 3 storied bearer barracks comprising of 2 blocks at all floors (Ground, First & Second). The cost estimate of Rs.73,73,955/-(Rs. 63,09,915.00 for Civil work + Rs. 10,64,040.00 for Elect. work) for additions/alterations of half brick partitioning wall and other miscellaneous works prepared by Estate Section for the work as cited in the subject was putup before the Estate Affairs Committee. After detailed discussion the EAC resolved and recommended that the cost estimate of Rs. 73,73,955/- after approval of the competent authority may be put in the ensuing meeting of BWC for further approval.

21. Any other items
A) Release of funds under Economically Weaker Section (EWS) – Regarding.
The matter regarding release of funds under Economically Weaker Section (EWS) was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the reply may be conveyed to the Ministry regarding the proposals for EWS under EWS scheme.

Contd P/5

Name of Work: - Cost estimate for provision of brick partitioning wall with doors, ventilators including repairs to building, interna & external finishing work, chain link fencing surrounding the building, opening of entry gate towards Hostel No-6 along with the provision of shade over the porch and approch pathetc. in the existing three storeyed bearer barrackes comprising of two blocks(Ground, First & Seconf Floor) at, NIT Kurukshetra.

SCHEDULE OF QUANTITIES

S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
EARTH WORK						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1	All kinds of soil.	27.33	cum	286.85	7840.00	2.8.1
2	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					2.28
2.1	All kinds of soil	219.69	sqm	28.15	6184.00	2.28.1
DISMANTLING AND DEMOLISHING						
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.					15.7
3.1	In cement mortar	18.10	cum	1698.45	30742.00	15.7.4
MASONRY WORK						
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					6.12
4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	688.40	sqm	837.85	576776.00	6.12.2
5	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	688.40	sqm	86.45	59512.00	6.15
6	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					6.4
6.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	20.44	cum	8288.35	169414.00	6.4.2
CONCRETE WORK						
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
7.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	40.42	cum	7365.15	297699.00	4.1.3
7.2	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	8.81	cum	6326.05	55733.00	4.1.8
REPAIRS TO BUILDING						
8	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.					14.1
8.1	With cement mortar 1:4 (1 cement : 4 fine sand)	499.22	sqm	462.30	230789.00	14.1.1

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S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
20	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :					10.3
20.1	4.0 mm thick glass panes (weights not less than 10 kg/ sqm)	14.26	sqm	940.30	13409.00	10.30.1
21	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					10.16
21.1	Hot finished welded type tubes	643.79	kg	154.90	99723.00	10.16.1
22	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:					10.14
22.1	Profile B					10.14.1
22.1.1	Fixing with adjustable lugs with split end tail to each jamb	284.33	metre	444.50	126385.00	10.14.1.1
WOOD AND PVC WORK						
23	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:					9.21
23.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	68.04	sqm	2015.75	137152.00	9.21.1
24	Deduct for not providing hinges in doors, windows or clerestory window shutters with :					9.15
24.1	ISI marked Stainless steel butt hinges with stainless steel screws:					9.15.1
24.1.1	For 2nd class teak wood and other class of wood shutters	68.04	sqm	202.55	13782.00	9.15.1.1
25	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (copper oxidized as per IS: 1378)					9.62
25.1	250x16 mm	36.00	each	165.90	5972.00	9.62.2
26	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (copper oxidized as per IS: 1378)					9.63
26.1	250x10 mm	36.00	each	74.65	2687.00	9.63.1
26.2	200x10 mm	36.00	each	61.05	2198.00	9.63.2
27	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (copper oxidized as					9.66
27.1	125 mm	72.00	each	35.20	2534.00	9.66.1
28	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :					9.96
28.1	300x16 mm	1.00	each	257.15	257.00	9.96.1
29	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					9.97
29.1	300x10 mm	4.00	each	116.80	467.00	9.97.1
FLOORING						

S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
9	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S.clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	236.94	sqm	285.00	67528.00	14.72
FINISHING						
10	12 mm cement plaster of mix :					13.1
10.1	1:4 (1 cement: 4 fine sand)	737.02	sqm	294.85	217310.00	13.1.1
11	15 mm cement plaster on the rough side of single or half brick wall of mix :					13.2
11.1	1:4 (1 cement: 4 fine sand)	823.56	sqm	339.70	279763.00	13.2.1
12	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	3852.00	sqm	20.85	80314.00	13.91
13	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	3483.32	sqm	123.85	431409.00	13.8
14	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					13.85
14.1	With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre	252.04	sqm	61.45	15488.00	13.85.1
14.2	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	2421.29	sqm	64.45	156052.00	13.85.3
15	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.					13.81
15.1	Two coats	6486.44	sqm	90.05	594104.00	13.81.2
16	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:					13.47
16.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	3693.70	sqm	162.35	599672.00	13.47.1
17	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					13.99
17.1	One or more coats on old work	1525.00	sqm	86.55	131989.00	13.99.1
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61
18.1	Two or more coats on new work	616.02	sqm	131.45	80976.00	13.61.1
STEEL WORK						
19	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	881.58	kg	93.05	82032.00	10.1

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S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
30	Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with :					11.23
30.1	Udaipur green marble	30.04	sqm	2100.40	63096.00	11.23.5
31	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	23.56	sqm	2038.55	48028.00	11.27
ALUMINIUM WORK						
32	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					21.1
32.1	For fixed portion					21.1.1
32.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	47.18	kg	456.30	21528.00	21.1.1.2
32.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					21.1.2
32.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	30.24	kg	546.35	16522.00	21.1.2.2
33	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):					21.3
33.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	10.86	sqm	1296.4	14079.00	21.3.2
34	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.					21.4
34.1	With stainless steel cover plate minimum 1.25 mm thickness	2.00	each	2448.85	4896.00	21.4.1
ROAD WORK						
35	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.					16.7
35.1	Made of G.I. wire of dia 4 mm	312.79	sqm	859.50	268843.00	16.70.1

P-4/5

S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
36	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.					16.91
36.1	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	209.71	sqm	1011.20	212059.00	16.91.2
ROOFING						
37	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	60.97	sqm	671.55	40944.00	12.50
NON SCHEDULE ITEM						
38	Providing and fixing aluminium American type handle of size 200 mm anodised (anodic caoting not less than grade AC10 as per IS:1868) transparent or dyed to required colour or shade, with SS screws etc. complete as per direction of Engineer-incharge					N.S.
38.1	Powder coated minimum thickness 50 micron aluminium	4.00	each	83.60	334.00	N.S.
				Total	52,56,223.00	
	Add @ 6.33% due to incresae in GST from 12% to 18%				332719.00	
				Total	5588942.00	
	Add Labour Cess @ 1% (on Estimate 5588942.00) Total				55889.00	
	Add EPF & ESIC @ 11.90% (on Estimate 5588942.00) Total				665084.00	
				Grand Total ₹	6309915.00	
The all items (1 to 37.1) mentioned above may be treated as one job						
The above estimate is based on DSR 2021						

Faculty In-Charge (E&C)

Assistant Engineer (Civil) SG-1

Assistant Engineer (Civil)

Associate Dean (P&D) for (E&C)

P-515

Name of Work:- Cost estimate for wiriing of light & fan points in Bearer Barracks at NIT kurukshetra

Sr.No.	Description of item	Qty		Rate	Unit	Amount	Remarks
1.0	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.						1.3
1.1	Group C	48	Points	1845.00	Points	88560	1.3.3
2.0	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.						1.7
2.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	450	Metres	369.00	Metre	166050	1.7.2
3.0	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						1.20
3.1	25 mm	500	Metres	256.00	Metre	128000	1.20.2
4.0	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	24	Nos	369.00	Each	8856	1.25
5.0	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Nos	40.00	Each	800	1.26
6.0	Supplying of following sizes XLPE insulated and PVC sheathed aluminium conductor armoured power cable of 1.1 kV grade as required.						
6.1	3½ X 185 sq. Mm (For essential supply from Sub-Station)	200	Metres	1500.00	Each	300000	MR
7.0	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.						7. 1
7.1	Above 95 sq. mm and upto 185 sq. mm	200	Metres	422.00	Metre	84400	7.1.3
8.0	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.						9. 1
8.1	3½ X 185 sq. mm (57mm)	2	Nos	875.00	Each	1750	9.1.27
9.0	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	6	Nos	508.00	Each	3048	7.10
10.0	Supplying /inserting of following size GI pipe (med.class) cross the road/pacca floor without cutting of road /floor by trenchless /mannual) method at a level not less than 0.75 mtr below under the road complete as required.						
10.1	100 mm	15	Metres	1896.00	Metre	28440	MR
11.0	Supplying, Installation, Testing & Commissioning of recess mounted LED Luminaire made of PVC body in batten shape of 36-40 watts with a lenght of 1186 mm approx. with system lumens not less then 1800 lumens and effeciency not less then 100 lumens/watt including connection with 3 x1.5 sq mm FRLS PVC insulated copper conductor wire etc as required	200	Nos	500.00	Each	100000	MR
12.0	Supplying, Installation, testing and commissioning of following size energy efficient ceiling fan, including providing & fixing phenolic laminated sheet cover on the fan box/truss and wiring the down rod with 1.5 sq mm FRLS PVC insulated, copper conductor, single core cable etc. as required i) 1200mm sweep ceiling fan with ISI	20	Nos	2400.00	Each	48000	MR
13.0	Dismantling of ceiling fan and painting the same with with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent and replacing the damaged rubber reel, nuts and bolts with washers and safety pins, reinstalling the same as required.	72	Nos	261.00	Each	18792	1.59
14.0	Supplying & Installation of 300mm Sweep (900 RPM) Heavy Duty A.C exhaust fan complete with louvers-shutters on the existing opening, including making good the damage,making connection, testing, commissioning etc. as required.	6	Nos	4000.00	Each	24000	MR
	Total					1000696	
	Add GST @6.33% (18% in place of 12% factor) as per OM no. SE/TAS/GST/20 Dated 10.08.2022					63344	
	Total					1064040	
	All above mentioned items are from DSR (E & M) 2022						

10/8/23

Junior Engineer (E/M & T)

Executive Engineer

Assistant Dean (P&D) for (I.S.C.)

BWC 29.11 To consider and approve the preliminary cum detailed cost estimate for the construction of a Fountain in the Guest House at NIT Kurukshetra.

A letter received from the Registrar Incharge vide no. R/675 dated 17.02.2022 regarding construction of a Fountain in the Guest House compound. Accordingly, the work as citied in the subject was putup before the Estate Affairs Committee held on 16.03.2022 vide item no.-9. The Estate Affairs Committee resolved that a fountain may be constructed in the green patch in-front of main porch of Guest House and also resolved that a request may be sent to CPWD for submission of Cost Estimate in this regard. In reference to the decision of the Estate Affairs Committee meeting a letter was conveyed to Executive Engineer (Civil), CPWD Karnal vide no. CC/3506/238/1236 dated 13.04.2022.

In response to the above, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate of Rs. 8,81,900/- vide letter no. 20(NIT)/PS/CD/2022/1323 dated 08.06.2022. After receipt of preliminary cum detailed cost estimate the same was put before the Estate Affairs Committee meeting held on 20.07.2022 vide item no.-6. In the meeting it is resolved that the cost estimate submitted by CPWD may be approved by the competent authority. The same has been approved by the competent authority of the Institute. Now, the preliminary cum detailed cost estimate of Rs. 8,81,900/- for the construction of a Fountain in the Guest House at NIT Kurukshetra is put up before the Building & Works Committee. Copies enclosed as **Appendix 29.11 (i) from pages 242 to 251**.

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate of Rs. 8,81,900/- for the construction of a Fountain in the Guest House at NIT Kurukshetra.*

EAC meeting held on -16.03.2023 -

9.	**Construction of a Fountain in the Guest House compound.** The matter regarding construction of a Fountain in the Guest House compound was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a fountain may be constructed in the green patch in-front of main porch of Guest House. Further, a request may be sent to CPWD for submission of cost estimate in this regard.
10.	**Construction of Open Gymnasium in the Guest House compound** The matter regarding construction of Open Gymnasium in the Guest House compound was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a committee comprising of Deputy Chief Warden, Professor I/C Sports and JE(Civil) be constituted. The committee will work out the number of equipment needed & other details and submit a report. The report of the Committee to be put up in the next EAC meeting.
11.	**Construction of New Lecture Hall Complex (LHC).** The matter regarding construction of New Lecture Hall Complex was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that construction of an Academic building of (G+5) in East Side of existing 12 nos. Lecture Hall Complex with all the facilities of blended Class Rooms etc. for teaching & learning be explored from CPWD by sending a requisition.
12.	**Construction of a Studio.** The matter regarding construction of Studio was discussed in the meeting of Estate Affairs Committee. The visit report dated 03.03.2022 by HOD (CE), Professor I/C (CCN) & others was put up before the EAC. The EAC resolved and recommended that the feasibility of converting Virtual Class Room existing at Ground Floor and unallocated space/room available at 1st floor of the SIEMENS Centre may be explored. Further, it was resolved that Prof. I/C (CCN), Faculty I/C (EM&T), Senior Technical officer (CCN) and Assistant Engineer (Elect.) will make a detailed report regarding the same and tabled in the next EAC.
13.	**Making of cycle path (in yellow color) on the both sides of the roads.** The matter regarding making of cycle path (in yellow color) on the either sides of the roads was discussed in the meeting of Estate Affairs Committee. The EAC was apprised that the width of road is not adequate sufficient on the existing roads. It was resolved that possibility of space required for cycle path parallel to existing roads may be explored ~~be explored~~ from CPWD by sending a requisition.
14.	**To check the working conditions of solar Geysers installed at the roof of hostels.** The matter regarding to check the working conditions of solar Geysers installed at the roof top of the few boys & Girls hostels was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the working condition of solar geysers installed at the rest of hostels be checked & inform to CW (Boys) & CW (Girls) so that appropriate action may be taken to explore the matter and repair the damaged part. Further, the Faculty I/C (EM&T) apprised that the work is in process.
15.	**Space audit of the buildings and campus.** The matter regarding space audit of the buildings and campus was discussed in the meeting of Estate Affairs Committee for an appropriate action in this regard by Chairman (SAC). The EAC resolved and recommended that the matter of space audit of the buildings and campus will be taken on Institute level and matter be referred to the Space Allocation Committee for an appropriate action in this regard by Chairman (SAC).
16.	**Maintenance issues of all the hostels including civil and electric works.** **i) Issues of solar panels, Solar Geysers.** The matter regarding to check the working conditions of solar Geysers installed at the roof of hostels was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that to explore the matter and repair the damaged part. Further, the Faculty I/C (EM&T) apprised that the work is in process.
	ii) White washing, distempering etc. in the various hostels. The work of internal & external finishing of hostels was approved by B&WC in its 27th meeting and same will be put up before the ensuing FC & BOG meeting for approval.
	iii) Issues of parking in Hostel No.11 and sheds in Hostel nos. 9 & 10. The matter regarding issues of parking in Hostel No. 11 and sheds in Hostel nos. 9 & 10. The recommendations of the Estate Affairs Committee has already been conveyed to Chief Warden (Boys) vide letters no. CC/3506/664 dated 18.10.2018, CC/3506/670 dated 18.10.2018 & CC/3506/117 dated 17.02.2020 after approval of the competent authority of the Institute.
	iv) Issue of fresh water supply in the Hostel no. -11. The matter regarding fresh water supply in the Hostel No.11 was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a request letter be communicated to CPWD for submission of cost estimate for the provision of fresh water supply in the Hostel no.-11.

Contd. P/3

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NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

(4)

No: CC/3506/ 238 | 1236

Dated 12.04.2022
13

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Construction of a Fountain in the Guest House compound.
(EAC Item No.-9)

It is intimated that the competent authority of the Institute has desired to construct a fountain in the green patch in-front of main porch of Guest House.

In this regard, it is therefore, requested to kindly explore the work of construction of Fountain in the Guest House compound and also requested to submit the cost estimate, so that an early action may be taken accordingly.

This is for information and further, necessary action please.

13.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. PS to Registrar for information of the Registrar
7. Assistant Registrar to Director for kind information of the Hon'ble Director

ESTATE SECTION
Diary No. 827
Dated... 10/06/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.kni.cpwd@nic.in

संख्याः- 20(NIT)/यो.शा./क.मं/2022/1323 दिनांक 08:06:2022

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

Fac I/c (Elc), Fac I/c (Emet)
A.E.(E) may be put in B&C.
10/6/22
13/6/22

विषय : **Construction of a Fountain in the Guest House at NIT Kurukshetra, Haryana.**

संदर्भ : आपका पत्र सं० CC/3506/238/1236 दिनांक 12.04.2022

महोदय,

उपरोक्त कार्य का विस्तृत प्रारम्भिक अनुमान जिसकी राशि 8,81,900/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। इस अनुमान की आवश्यकता को अनुमान की हिस्ट्री शीट मे वार्णित किया गया है।

आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें एवं कार्य की स्वीकृति करते समय "लेखा शीर्ष" (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न : उपरोक्त दो प्रतियों में।

भवदीय,
Prashant
(प्रशांत अग्रवाल) 8/6/22
कार्यपालक अभियन्ता
करनाल मण्डल, के.लो.नि.वि।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 24(8)/A.E/K.S.D/2022/138 दिनांक 01.06.2022 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KD**
Branch: B & R **Sub-Division: HSD**
NAME OF WORK: **Construction of a Fountain in the Guest House at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 8,81,900/-** i/c contingencies.

History: This preliminary cum detailed estimate amounting to **Rs. 8,81,900/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining A/A & E/S by the competent authority. The requisition for the above work has been received from **Prof. I/C (Estate & Construction), NIT, Kurukshetra** vide letter No. CC/3506/238/1236 Dated 12.04.2022. Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **The following provisions have been in this detailed estimate:-**

1. Water body for Dom & bell fountain size approximate 13.00mtr x 3.00mtr & 75cm deep.
2. Brick work, CC work, Glass mossaic tile, Granite work etc.
3. Providing and fixing Dom & Bell Fountain in central portion and umbrella nozzle fountain in side portions along with other related items.

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction Indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department

promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.

6. The client department will help CPWD in :-
a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on **DSR – 2021.**
Method:	Through contract after call of tender.
Time:	**60 Days (After receipt of A/A & E/S)**
Cost:	**Rs. 8,81,900/-**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. **This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.**

8/6/2022
Sr. D/Man
CPWD, Karnal

Prashant 8/6/22
Executive Engineer
CPWD, Karnal

ORIGINAL ESTIMATE

Name of Work:- Construction of a Fountain in the Guest House at NIT Kurukshetra.

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
1.1.1	2.6.1	All kinds of soil	13.76	cum	205.45	2827.00
1.2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.2.1	2.8.1	All kinds of soil.	39.07	cum	286.85	11207.00
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources).	2.95	cum	7365.15	21727.00
2.1.2	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	5.17	cum	6050.65	31282.00
3	6	MASONRY WORK				
3.1	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
3.1.1	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	14.92	cum	6882.00	102679.00
4	8	CLADDING WORK				
4.1	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
4.1.1	8.3.2	Granite work	30.77	metre	418.85	12888.00
5	11	FLOORING				
5.1	11.53	Providing and fixing Glass mossaic tiles on finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design , fixing in customize design as per direction of Engineer-in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. This rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge.				

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
5.2	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
5.2.1	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	28.23	sqm	3908.80	110345.00
6	13	FINISHING				
6.1	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
6.1.1	13.5.1	1:4 (1 cement: 4 coarse sand)	30.55	sqm	354.50	10830.00
6.2	13.9	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
6.2.1	13.9.1	12 mm cement plaster	30.55	sqm	386.55	11809.00
7	18	WATER SUPPLY				
7.1	18.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall				
7.1.1	18.10.2	20 mm dia nominal bore	40	metre	373.35	14934.00
7.1.2	18.10.6	50 mm dia nominal bore	40	metre	893.20	35728.00
7.2	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
7.2.1	18.13.1	25 to 40 mm nominal bore	2	each	757.10	1514.00
7.3	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
7.3.1	18.17.1A	20 mm nominal bore	2	each	461.75	924.00
7.4	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
7.4.1	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	2	each	10102.50	20205.00
7.5	18.38	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for				
7.5.1	18.38.2	25 mm diameter pipe	20	metre	18.85	383.00
7.5.2	18.38.3	40 mm diameter pipe	25	metre	43.05	1075.00

S.No.	DSR 2021	Description - 250 -	Qty.	Unit	Rate	Amount
7.6	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :				
7.6.1	18.46.2	20 mm nominal bore	4	each	289.05	1156.00
7.6.2	18.46.6	50 mm nominal bore	4	each	706.70	2827.00
8	22	WATER PROOFING				
8.1	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	29.5	sqm	516.60	15240.00
9.1	MR	Providing and fixing Crown Jet Nozzle 3/8"	30	Each	275.45	8264.00
9.2	MR	Providing and fixing submersible pump 2HP, single phase.	2	Each	25838.05	51676.00
9.3	MR	Providing and fixing Brass Bell Jet Nozzle 25mm.	6	Each	3278.95	19674.00
9.4	MR	Providing and fixing LED based waterproof nozzle SS 304 LED light.	12	Each	4590.50	55086.00
9.5	MR	Providing and fixing LED light controller R.G.B 12V.	1	Each	9836.80	9837.00
9.6	MR	Providing and fixing LED light stand.	12	Each	655.80	7870.00
9.7	MR	Providing and fixing G.I. Ring 5 f.t dia 40mm with socket 30 nos.	1	Each	19673.65	19674.00
9.8	MR	Providing and fixing CPVC Plumbing material charge.	1	Per Job	12459.95	12460.00
9.9	MR	Providing and fixing Electrical material charge.	1	Per Job	9836.80	9837.00
9.10	MR	Providing and fixing Executions, Supervision Ins., Testing & commissioning charge.	1	Per Job	26231.50	26232.00
9.11	MR	Cartage charge.	1	Per Job	7869.45	7869.00
		Total				**807217.00**
		Add Contingencies @	5.00%			40361.00
		Add EPF & ESI on @	4.25%			34307.00
		Grand Total				**881885.00**
		Say Rs.				**8,81,900/-**

8/6/22
Sr. Draughts Man
CPWD, Karnal

Prashant 8/6/22
Executive Engineer - Karnal
CPWD, Karnal

EAC minutes of Meeting held on 20.07.2022

6. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD vide letter no. 20(NIT)PS/CD/2022/1323 dated 08.06.2022 regarding construction of a Fountain in the Guest House.**

The cost estimate of Rs. 8,81,900/- received from Executive Engineer (Civil), CPWD for the above said work was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the cost estimate submitted by CPWD may be approved by the competent authority. After approval of competent authority, the A/A & E/S may be conveyed to CPWD for its execution.

7. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT)/PS/CD/2022/1322 dated 08.06.2022 regarding Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus.**

The cost estimate of Rs. 40,43,300/- received from Executive Engineer (Civil), CPWD, Karnal for the above said work was discussed in the meeting of Estate Affairs Committee. The EAC resolved that a detailed list of sign boards alongwith size, colour and locations may be obtained form CPWD so that further course of action may be decided.

8. **To discuss a request received from the Chief Warden (Boys) vide dated 10.06.2022 regarding Supply of fresh water in Hostel No. 11.**

The request received from Chief Warden (Boys) was put up before the EAC meeting. The EAC was apprised that similar type of water supply is available in the multistoreyed buildings i.e. Mega Boys Hostel (1000 capacity), Kalpana Chawla Girls Hostel and CT/BT type houses, so EAC recommended that the request was not acceded to.

9. **To discuss the report on campus site visit by the Hon'ble Director on dated 27.06.2022.**

i **Development of parking area at various locations in the Institute i.e. area between main road and sports ground towards south side by removing kerb stone before the entrance of gate and providing ramp, cutting of grass & pruning of trees etc.**

The EAC was apprised that the work of removing of kerb stone before the entrance of gate, cutting of grass & pruning of trees etc. has already been executed. The provision of providing ramp has already been taken in the cost estimate for the work of repair maintenance of existing foot path along the various road in the Institute.

ii **Provision of Cycle Parking adjacent to existing parking near main gate along kirmach roadon west side. The tractor implements may be shifted from the existing parking. The existing structure near tube well towards north side of main road seems in bad condition and the same may be demolished. Subsequently, the provision of fountain may be made on the same place.**

The EAC was apprised that the tractor implements have been shifted from the existing parking. It was resolved that the existing structure near tube well towards north side of main road be demolished & the cost estimate for the provision of fountain may be obtained form the CPWD. Further it was decided that the provision of cycle parking adjacent to existing parking near main gate along Kirmach road on west side needs to be explored.

iii & iv **Provision of parking for two wheelers from the chowk near Hostel No. 11 to parking area near MBA/MCA Block along the footpath may be made by removing the kerb stone exist along the road.**
Provision of parking for four wheelers along the main storm water drain towards south side (Land adjacent to Hostel No.-10) may be made and also make provision of two access across the main storm water drain.

The EAC was apprised regarding the points no. iii & iv. The EAC resolved & decided that implementation plan will be worked out in consultation with the competent authority of the Institute.

Contd... P/3

BWC 29.12 To consider and approve the preliminary cum detailed cost estimate for the Installation of 3 D metal logo of the Institute in-front of Golden Jubilee Administrative Building at NIT Kurukshetra.

A letter received from the Registrar Incharge vide no. R/675 dated 17.02.2022 regarding installation of 3 D metal logo of the Institute in-front of Golden Jubilee Administrative Building. Accordingly, the work as citied in the subject was putup before the Estate Affairs Committee held on 16.03.2022 vide item no.-6. The Estate Affairs Committee resolved that a location & installation of 3 D metal logo may be explored from CPWD by sending a requisition. In reference to the decision of Estate Affairs Committee a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/239/1235 dated 13.04.2022 regarding to kindly explore the location & installation of 3 D metal logo, so that an early action may be taken accordingly. A letter was also sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/372/2088 dated 30.06.2022 in this regard. Copies enclosed as **Appendix 29.12 (i) from pages 254 to 257.**

Further, the matter was also discussed in the Estate Affairs Committee meeting held on 20.07.2022 vide item no. 1(6) EAC May 2022 under Action Taken and decided that after receipt of the cost estimate from the CPWD, Registrar I/C may be intimated in reference to letter no. R/675/ dated 17.02.2022 for further action in this regard. Again a letter was also sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/517/3672 dated 31.08.2022 for submission of Cost Estimate for the Installation of 3 D metal logo of the Institute in-front of Golden Jubilee Administrative Building at NIT Kurukshetra. In reference to the above, a letter received from the Assistant Engineer (Civil), Sub-Division, CPWD vide no. 24(NIT)/AE/KSD/2022/213 dated 27.09.2022 regarding to clarify the Installation of 3 D metal logo: size of logo, Material of Logo, Type of illumination at night, sight of vision (distance). The letter received from CPWD was put up before the Estate Affairs Committee meeting held on 06.12.2022 vide item no.-2. The EAC resolved that the 3 D logo of the Institute be placed in front of the New Administrative Golden Jubilee Building adjacent to Boundary wall near Institute Grass log. Further, it is also resolved that the platform foundation may be made at 1½ - 2 feet above the ground level and height of logo may be considered to be 10-12 feet and logo will be made by metal of mix/stainless steel. After approval of the competent authority of the Institute the same was conveyed to

Executive Engineer (Civil), CPWD, Karnal vide letter no. CC/3506/11/88 dated 06.01.2023 & CC/3506/263/1215 dated 27.03.2023 regarding to submit the preliminary cost estimate for the work. Copies enclosed as **Appendix 29.12 (ii) from pages 258 to 263.**

In response to the above, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate of Rs. 8,16,000/- vide letter no. 20(NIT)/PS/CD/2023/1197 dated 03.07.2023. After receipt of preliminary cum detailed cost estimate the same was put up before the Estate Affairs Committee meeting held on 18.07.2023 vide item no.-2 EAC Dec. 2022 under Action Taken. In the meeting it is resolved that the preliminary cum detailed cost estimate of Rs. 8,16,000/- submitted by CPWD for the Installation of 3 D metal logo of the Institute may be put up in the ensuing Building & Works Committee meeting. Copies enclosed as **Appendix 29.12 (iii) from pages 264 to 270.**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate of Rs. 8,16,000/- for the Installation of 3 D metal logo of the Institute in-front of Golden Jubilee Administrative Building at NIT Kurukshetra.*

Appendix 29.12 (i)

ESTATE SECTION
Diary No. 226
Dated 18/2/2022

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA – 136119

No.R/675 Dated:17.02.2022

A discussion meeting was held on 17.02.2022 with the Hon'ble Director. During the discussion, he has suggested the following initiatives may be taken for the development of the Institute and campus:

1. Installation of IOT based sensor for minimizing the electricity bills.
2. Installation of Solar Panels in the roof of remaining buildings.
3. Informative/Regulatory/Mandatory sign board in various places of the campus.
4. Installation of Piped Music system in the campus (Ref.: NIT, Hamirpur, GGSIP University, New Delhi).
5. Installation of 3D metal logo of the Institute and statue of Lord Krishna in the centre of existing fountains.
6. Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.
7. Construction of Water Harvesting Pits/Rain Water Harvesting system.
8. Construction of a Fountain in the Guest House compound.
9. Construction of open gymnasium in the Guest House compound.
10. Construction of new Lecture Hall Complex (LHC).
11. Construction of a studio.
12. Marking of Cycle path (in yellow color) on the both sides of the roads.
13. To check the working conditions of Solar Geysers installed at the roof or hostels.
14. Space Audit of the buildings and campus.

The above proposals may be placed before the Estate Affairs Committee.

17/02/22
Registrar Incharge

Dean (P & D) 17.02.2022

Prof. i/c. (E&C)

For I/c (E&C), For I/c (EM&T)

A.E. (C)

Subject: Minutes of the meeting of Estate Affairs Committee held on 16.03.2022 at 03:30PM in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 16.03.2022 (Wednesday) at 03:30 PM onward in the office of the Dean (P&D) & Chairman (EAC) to discuss the various issues related to Estate Section.

The following were present:		
1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Arun Goel, Prof. I/C (E&C)	Member
3.	Prof. Bratibha Aggarwal, Prof. CED	Member
4.	Dr. H.D Chalak, Faculty I/C (E&C)	Member
5.	Dr. Sandeep Kakran, Faculty I/C (EM&T)	Member
6.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
7.	Er. Ashish Kumar Choudhury, A.E. (Elect.)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.
The following issues were discussed and are resolved as under:

1.	**To discuss regarding Action Taken on previous meeting held on 17.11.2021** The detailed discussion on action taken is enclosed as per Annexure-I
2.	**Installation of IOT based sensor for minimizing the electricity bills** The matter regarding installation of IOT based sensors for minimizing the electricity bills was discussed in the Estate Affairs Committee. The EAC was apprised that the sensors based lights and fans have already been installed in old Administrative Block, CED, MED, EED, AM Block, AB Block MBA/MCA Building Old MBA Building. The details of these items were put before the EAC. Further, it was resolved that the scope of IOT based sensors system for street lights will be explored in the coordination with the CPWD on the main road & Institute Boundary wall where old conventional street lights were installed.
3	**Installation of Solar Panels in the roof of remaining buildings.** The matter regarding installation of solar panels on the roof of remaining buildings was discussed in the Estate Affairs Committee. The EAC was apprised that the 01 MW solar panels system have already been installed on various locations in the Institute. The details of the solar panels and savings of the financial year 2021-22 from the solar plants was also put up before the EAC. Further, it was resolved that the installation of the solar panels in the remaining buildings will be explored after completion of work of extension of these buildings in future.
4	**Informative/Regulatory/Mandatory sign board in various places of the campus.** The matter regarding informative/regulatory/mandatory sign board at various places of the Institute campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that letter requesting CPWD to submit complete details of sign board alongwith cost estimate may be communicated.
5.	**Installation of Piped Music system in the campus (Ref. "NIT Hamirpur, GGSIP University, New Delhi")** The matter regarding installation of piped music system in the campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that installation of piped music system at the following locations may be explored with the cooperation of the CPWD: 1. Girls Hostel to Academic area 2. Boys Hostel to LHC 3. Boys Hostel to Academic area on either sides of OAT
6	**Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.** The matter regarding installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a location & installation of 3 D metal logo may be explored from CPWD by sending a requisition.
7.	**Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.** The matter regarding installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the installation of sign board may be explored from CPWD by sending a requisition.
8	**Construction of Water Harvesting Pits/Rain Water Harvesting system.** The matter regarding construction of Water Harvesting Pits/Rain Water Harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the existing water harvesting systems to be rejuvenated further a request should be communicated to CPWD for making the provision of [illegible] along the existing drains in the Campus.

Contd. P/2

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/239/1235

Dated 12.04.2022
13

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains. (EAC Item No.-6)

It is intimated that the competent authority of the Institute has desired to install 3 D metal logo of the Institute and a statue of Lord Krishna in the center of existing fountains. In this regard, it is therefore requested to kindly explore the location & installation of 3 D metal logo, so that an early action may be taken accordingly.

This is for information and further necessary action please.

12.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
5. Superintending Engineer (Civil), CPWD, Kamal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Kamal-132001
6. PS to Registrar for information of the Registrar
7. Assistant Registrar to Director for kind information of the Hon'ble Director

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/379/2088

Dated 30.06.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.

Reference: Our office letter no. CC/3506/239/1235 dated 13.04.2022

In continuation to letter under reference it has been intimated that the location & installation of 3 D metal logo of the Institute and a statue of Lord Krishna in the center of existing fountains be explored. In this regard, no information has been received so far in this office.

Now, it is therefore once again requested to kindly explore and intimate the location & installation of 3 D metal logo of the Institute and a statue of Lord Krishna in the center of existing fountains, so that an early action may be taken accordingly.

This is for information and further necessary action please.

29.06.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar Faculty I/C (E&C)
3. Dean (P&D)
4. A.E. (Civil)
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office

BAC minutes of meeting held on 20.07.2022 **Appendix 29.12 (ii)**

Annexure-I

Agenda No.	Item	Recommendations of EAC	Action Taken	Decision Taken in the meeting held on 20.07.2022
1 EAC May 2022	To discuss regarding Action Taken on previous meeting held on 25.05.2022			
1(2) EAC May 2022	Installation of IoT based sensor for minimizing the electricity bills	EM Section apprised that the Cost Estimate is in process and will be submitted by CPWD till 3rd June, 2022. Further, EM Section will explore the savings vs investments regarding Installation of IoT based sensors.	A letter sent to Executive Engineer (Elect.), CPWD, Karnal vide no. CC3506/370/2090 dated 30.06.2022 to submit the complete details alongwith the cost estimate for installation of IoT based sensor for minimizing the electricity bills. A letter has also been sent to Faculty I/C (EM&T) vide no. CC3506/391 dated 30.06.2022 to explore the savings vs investments regarding Installation of IoT based sensor. The cost estimate from CPWD is awaited savings vs investment may only be explored after receipt of the cost estimate of IoT based sensor.	In this regard a letter was sent to CPWD on 30.06.2022 & till date no information has been received. It was decided that the EM Section may convene a meeting with the CPWD officials and expedite the matter regarding Installation of IoT based sensor in academic buildings and street light. This work will be executed in phased manner.
1(3) EAC May 2022	Installation of solar Panels in the roof of remaining buildings.	The EM Section may explore the matter on the roof area of remaining academic buildings and submit the report.	A letter sent to Faculty I/C (EM&T) vide no. CC3506/386 dated 30.06.2022 to explore the matter on the roof area of remaining academic buildings and submit the report. The report may be prepared after deciding the vertical extension of existing buildings.	A comprehensive list of roof top are available with solar panels on the existing buildings in the Academic area may be prepared and submit at the earliest.
1(4) EAC May 2022	Informatory/Regulatory/Mandatory sign board in various places of the campus.	Estate Section apprised that the cost estimate is in process and will be submitted by CPWD till 3rd June, 2022.	The cost estimate has been received from CPWD vide no.20(NIT)/PS/CD/2022/1322 dated 08.06.2022 and same has been put up in this meeting vide Item no. -7	This item has been discussed with the main agenda item No. 7 placed in EAC Meeting held on 20.07.2022
1(6) EAC May 2022	Installation of 3 D Metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.	A reminder may be sent to CPWD	A letter has been sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/372/2088 dated 30.06.2022 to explore and intimate the location & installation of 3 D metal logo of the Institute and a statue of Lord Krishna in the center of existing fountains. The cost estimate is awaited from the CPWD.	It was decided that after receipt of the cost estimate from the CPWD, Registrar I/C may be intimated in reference to letter no. R/675 dated 17.02.2022 for further action in this regard.
1(7) EAC May 2022	Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.	A reminder may be sent to CPWD.	The work is in process.	The matter was discussed and resolved that the cost estimate may be obtained from CPWD and case may be processed after approval of the competent authority of the Institute.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/517 /3672

Dated 31.08.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains - regarding (EAC meeting Item No.-1(6) dated 20.07.2022 in the action taken).

It is intimated that the competent authority of the Institute has desired to install 3 D metal logo of the Institute on the top of the Golden Jubilee Administrative Building and a statue of Lord Krishna in the center of existing fountains near Old Administrative Building.

In this regard, it is therefore, requested to submit the cost estimate for the installation of 3 D metal logo of the Institute and a statue of Lord Krishna in the center of existing fountains so that an early action may be taken accordingly.

This is for information and further necessary action please.

31.08.2022

Prof. I/C (Estate & Construction)

Copy to:-

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office, Kurukshetra

भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कुरुक्षेत्र उप–मण्डल, कुरुक्षेत्र

संख्याः– 24(NIT)/स.इ./कु.उ.म./2022/213 दिनांक 27/09/22

सेवा में,

Prof. Incharge, for SIC (EAC), for I/C (EM&T)
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

ESTATE SECTION
Diary No. 1525
Dated. 28/9/22

A.S(C) may be put in during EAC.

विषयः **Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the centre of existing fountains – regarding (EAC meeting Item no. 1(6) dated 20.07.2022 in the action taken).**

संदर्भः– Dean Estate office letter no. CC/3506/517/3672 dated 31.08.2022.

R/sir,

SS(A) 28/9/22 28/9/22

Please refer your above cited letter vide which you have sought cost estimate for "Installation of 3 D metal logo of the Institute on the top of Golden Jubilee Administrative building and statue of Lord Krishna in the centre of existing fountains near old Administrative building". In this regard it is observed that both the works desired by you are of special nature (i.e. specialized work) and following information/requirements are mandatory.

1. Installation of 3 D metal logo:- Size of logo, Material of logo, type of illumination at night, sight of vision (distance).
2. Statue of Lord Krishna:- The installation of any statue is governed by the statutory laws/judicial decisions and requires necessary prior approval and permissions for its installations. Thus it may be ensured along with the size of Statue, Pose of Statue, Material of Statue, Functionality of existing sprinkler & lighting system.

Therefore you are requested to submit the above information so that experts of the concerned fields can be consulted for the cost/price.

सहायक अभियन्ता,
कुरुक्षेत्र उप-मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को सुचनार्थ।

सहायक अभियन्ता

Subject: **Minutes of the meeting of Estate Affairs Committee held on 06.12.2022 at 12:30 PM onwards in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.**

A meeting of Estate Affairs Committee was held on 06.12.2022 (Tuesday) at 12:30 PM onwards in the office of the Dean (P&D) & Chairman (EAC) to discuss various agenda items.

The following were present:

1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Praveen Aggarwal, Assoc. Dean P&D for (E&C)	Member
3.	Prof. Paratibha Aggarwal	Member
4.	Dr. A.K. Singh, HoD, Computer Engg. Deptt.	Special Invitee
5.	Dr. H.D. Chalak, Faculty I/C (E&C)	Member
6.	Dr. Kiran Kumar Jaladi, Faculty I/C (EM&T)	Member
7.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
8.	Er. Ashish Kumar Choudhury Assistant Engineer (Electrical)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.

The Estate Affair Committee deliberated & decided on the various agenda items taken up in the meeting as follows:

1. **To discuss a request received from Assistant Registrar (Audit), Resident CC-12 vide no. AR Audit 227 dated 16.09.2022 regarding the dismantling/demplishing of open to air dustbins/dump yards in the proximity of CC-type residences and others.**

   A request received from Assistant Registrar (Audit), resident CC-12 was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the existing RCC dustbin may be dismantled after making the alternate arrangement for agri-waste collection at the place and for other waste collection, movable dustbins to be provided. Further it is also resolved that instruction be given to the sanitation and cleaning section for developing a mechanism for cleaning of the dustbins on daily basis.

2. **To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/213 dated 27.09.2022 regarding the installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.**

   A letter received from the Assistant Engineer (Civil), CPWD was discussed in the Estate Affairs Committee.

   2(a) The EAC resolved and recommended that the 3 D logo of the Institute be placed in front of the New Administrative Golden Jubilee Building adjacent to Boundary wall near Institute Grass logo. Further, it is also resolved that the platform foundation may be made at 1½' – 2' feet above the ground level and height of logo may be considered to be 10-12 feet and logo will be made by metal of mix/stainless steel.

   2(b) Further, the EAC resolved and recommended that the location and size of Statue of Lord Krishna will be decided after consultation with the competent authority of the Institute.

3. **To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 regarding provision of cycle path parallel to the existing roads.**

   The matter was discussed and recommended that the cycle track and foothpath may be provided as per the drawings submitted by the CPWD officials prepared in consultation with estate section of the institute. Further EAC resolved that CPWD may be requested to submit the cost estimate for the said work.

4. **To discuss a letter received form the Assistant Engineer (Civil), CPWD vide no. 24(NIT/AE/KSD/2022/230 dated 18.10.2022 regarding construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture Hall Complex 12 nos. (Vertical extension) (Civil + Electrical Works) (Under EWS).**

   A letter received form the Assistant Engineer (Civil), CPWD was discussed in the Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to M/s. Benjamin Benjamin & Vats, New Delhi for submission of design calculation of existing structure.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/ 11 /88 Dated 06.01.2023

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Installation of 3 D metal logo of the Institute. (Vide Item No.-2 a of EAC meeting held on 06.12.2022.

Reference: Vide no. 24(NIT)/AE/KSD/2022/213 dated 27.09.2022 received from A.E. (Civil)

In continuation to letter under reference it is intimate that the 3 D logo of the Institute be placed in front of the New Administrative Golden Jubilee Building adjacent to Boundary wall near Institute Grass logo. Further, it is also resolved that the platform foundation may be made at 1½' – 2' feet above the ground level and height of logo may be considered to be 10-12 feet and logo will be made by metal of mix/stainless steel.

In this regard, it is therefore requested to submit the preliminary cost estimate for the above said work so that an early action may be taken accordingly.

This is for your kind information and further necessary action please.

6/1/2023
Associate Dean P&D for (E&C)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office Kurukshetra

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

Reminder

No: CC/3506/263/1215 Dated 27.03.2023

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Installation of 3 D metal logo of the Institute. (Vide Item No.-2(a) (Dec.2022) of EAC meeting held on 24.01.2023 in the Action Taken.

In continuation to letter no. CC/3506/11/68 dated 06.01.2023 in which it is intimate that the 3 D logo of the Institute be placed in front of the New Administrative Golden Jubilee Building adjacent to Boundary wall near Institute Grass logo. Further, it is also resolved that the platform foundation may be made at 1½' – 2' feet above the ground level and height of logo may be considered to be 10-12 feet and logo will be made by metal of mix/stainless steel. However, in this regard no information received in this office so far.

Now, it is therefore once again requested to submit the preliminary cost estimate for the above said work so that an early action may be taken accordingly.

This is for your kind information and further necessary action please.

27/3/23
Associate Dean P&D for (E&C)

Copy to:-

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office Kurukshetra

Appendix 29.12 (iii)

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

ESTATE SECTION
Diary No. 1064
Dated 05/07/23

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.kni.cpwd@nic.in

संख्याः- 20(NIT-KKR)/यो.शा./क.मं/2023/1197 दिनांक 03.07.23

सेवा में,

Associate Dean P&D for (E & C)
National Institute of Technology
Kurukshetra

P/5/7/23 P/E(E&C) 10/07 A-E-DD-I

विषय : Installation of 3 D metal logo of the Institute at NIT Kurukshetra, Haryana.

A.E.(C)/EA 10/07/23

संदर्भ : आपका पत्र सं० CC/3506/263/1215 दिनांक 27.03.2023

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रूपये 8,16,000/- है आपके कार्यालय से प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू संलग्न है।

कार्य की आवश्यकता और अनुमान के प्रावधानों को रिपोर्ट में दर्शाया गया है। अतः आपसे अनुरोध है कि कार्य की मंजुरी भेजते समय "लेखा शीर्ष" जिसके अतंर्गत व्यय किया जाना है, सूचित किया जाए तथा अनुमोदित प्राक्कलन की एक प्रति भी संलग्न करें।

भवदीय,
02/07/2023
(देवेन्द्र सिंह)
कार्यपालक अभियन्ता-करनाल

संलग्न : उपरोक्तानुसार।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 24(8)/स.ई./कु.उ.म./2023/85 दिनांक 20.04.2023 के संदर्भ में सूचनार्थ प्रेषित है।

कार्यपालक अभियन्ता-करनाल

10/7/23

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KD**
Branch: B & R **Sub-Division: KKR**
NAME OF WORK: Installation of 3 D metal logo of the Institute at NIT Kurukshetra, Haryana.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 8,16,000/-**.

History: This preliminary cum detailed estimate amounting to **Rs. 8,16,000/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The requisition of the above work has been received from **client department** vide their letter No. **CC/3506/263/1215 dated 27.03.2023.** Hence this preliminary cum detailed estimate has been framed for obtaining necessary A/A & E/S by the competent authority.

Design & Scope: **The following provisions have been made in this preliminary estimate:-**

1. 3 Dimensional Stainless steel logo Size 11 feet X 10-1/2 feet 50mm deep made of 18 gauge/1.2mm thick SS sheet.
2. SS tublar frame as supporting structure
3. 4mm thick ACP sheet for base
4. RCC pedestal for fixing structure including other related items

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department

promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.

6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on DSR–2021 rates and prevailing market rate.
Method:	Through contract after call of tender.
Time:	**30 Days (After receipt of A/A & E/S)**
Cost:	**Rs. 8,16,000/- i/c contingencies.**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. **This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.**

Assistant Engineer (P)
CPWD, Karnal

Executive Engineer
CPWD, Karnal

Preliminary Cum Detailed Estimate

Name of Work:		Installation of 3 D metal logo of the Institute at NIT Kurukshetra, Haryana.				
SLNo	DSR 2019 No.	Description	Qty	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1.1	2.8.1	All kinds of soil.	5.88	cum	218.60	1285.00
1.2	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	1.92	cum	161.60	310.00
2	4	CEMENT CONCRETE (CAST IN SITU)				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	0.26	cum	6050.65	1573.00
3	5	REINFORCED CEMENT CONCRETE				
3.1	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
3.1.1	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from natural sources)	1.3	cum	8364.20	10873.00
3.2	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
3.2.1	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	8.64	sqm	804.25	6949.00
3.3	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
3.3.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	195	kg	89.65	17482.00
4	10	STEEL WORK				
4.1	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	20	kg	88.50	1770.00

4.2	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	437.64	kg	612.25	267945.00
5	50	NON SCHEDULE				
5.1	50.156	Providing and fixing 4mm thick aluminum composite panel of approved brand and manufactures on SS/MS frame with self tapping powder coated GI screws spacing and size, as specified by manufacture/designer.	13.4	Sqm	1665.75	22321.00
5.2	50.157	Providing, fixing and installation of 3Dimensional stainless steel metal logo for NIT Kurukshetra. Size of logo is 11 Feet x 10-1/2 Feet and depth of logo 50mm. The symbol/design/size of letters i.e. height and width to be adjusted in proportion of size of logo. The letters to be provided in English/Hindi as per pattern/design of logo of the institute. The symbol/design/letter/logo matter to be manufactured with 18 gauge/1.2mm thick SS stainless sheet of approved grade. The cost includes designing of logo, laser cutting of SS sheet in design with CNC, preparation of all letters, design, pattern, logo matter, fixing and installation of logo including welding/soldering etc complete as per direction of Engineer-in-charge. Overall size of logo will be measured as width x height in Square inches for payment.	16632	Sq Inch	21.40	355925.00
5.3	50.158	18 mm thick machine cut and mirror polished granite stone of approved shade in wall lining laid on 12mm (average) thick cement mortar 1:3 (1cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of granite slab complete in all respects. (Based on DSR Item No. 11.27 & 7.38.1.1)	4.32	Sqm	4166.80	18001.00
		TOTAL				**704434.00**
		Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022				44591.00
		TOTAL				**749025.00**
		Add Contingencies @ 5%				37451.00
		Add EPF & ESIC @ 3.94%				29512.00
		TOTAL				**815988.00**
		Say Rs.				**8,16,000/-**

Assistant Engineer (P)
CPWD, Kamal

Executive Engineer
CPWD, Kamal

		same has also been sent to Executive Engineer (Civil) & Elect.), CPWD to submit the preliminary cost estimate for the said work is still awaited.	
10 EAC Sept. 2022	**To discuss regarding the previous works duly approved by B&WC in its 25th meeting held on 27.05.2019 subsequently FC & BoG. However, these works needs to be taken up in the EAC.** **b. Water proofing Treatment of Cafeteria in Open Air Theatre at NIT Kurukshetra.** A requirement may be obtained from President (Club) for covering of stage & repair work of OAT may be initiated.	Now, a requisition has been received from President Students Club regarding covering of stage and same is put up in this meeting vide item No.-6.	This work was discussed in the main agenda item No.-6
	C. Renovation/up-gradation of Jubilee Hall including Civil, Electrical, Audio System and furniture works. A requirement may be obtained from President (Club) and discussed in next EAC meeting for review.	A requirement has been received from President Students Club on dated and same is put up in this meeting vide item No.-8.	This work was discussed in the main agenda item No.-8
11 EAC Sept.2022	**To discuss the works deferred by B&WC in its 27th meeting held on 19.01.2022.** **Covering of Open Air Theater** A requirement may be obtained from President (Club) for covering of stage & repair work of OAT may be initiated.	A requirement has been received from President Students Club and same is put up in this meeting vide item No.-6	This work was discussed in the main agenda item No.-6
1 EAC Dec. 2022	**To discuss a request received from Ramesh, Assistant Registrar, Resident CC-12 vide no. AR Audit-227 dated 16.09.2022 regarding the dismantling/demolishing of open to air dustbins/dump yards in the proximity of CC-type residences and others.** Again a letter may be sent to Faculty I/C (S&C) to expedite the matter	A letter has been sent to Faculty I/C (S&C) vide no. CC/3506/272 dated 27.03.2023 regarding explore the matter.	A letter may be conveyed to Faculty I/C (S&C) to initiate the cleaning of dustbins located in residential area 2 times in a week. This may be monitored for a month. If it is not possible to clean the dustbin than the process of dismantling the brick structure dustbins after arranging its substitute may be initiated.
2 EAC Dec. 2022	To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no.	The preliminary cost estimate has been received from CPWD Rs.	The preliminary cost estimate of Rs. 8,16,000/- for the Installation of 3 D

	24(NIT)/AE/KSD/2022/213 dated 27.09.2022 regarding the Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains. Work may be expedite	8,16,000/- vide letter no. 20(NIT-KKR)/PS/ CD/2023/1197 dated 03.07.2023.	metal logo of the Institute may be put up in the ensuing B&WC meeting
3 EAC Dec. 2022	To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 regarding provision of cycle path parallel to the existing roads.	A letter has been sent to Executive Engineer (Civil & Elect.), CPWD Karnal for submission of the fresh cost estimate for the work of provision of cycle path parallel to the existing roads. (Detail of works attached)	To expedite the matter with CPWD regarding the cost estimate.
6 EAC Dec. 2022	Construction of New Computer Engineering Block (G+5) including provision of lifts and other amenities. Work is in process.	Architect, CPWD, Chandigarh, submit the Architectural Preliminary Drawings vide No. CA(SDGCH) /501/2023/132 dated 23.05.202323. Accordingly, the same was scrutinized by NIT Kurukshetra and found some observations. Further, after approval of the competent authority of the Institute a letter was sent to Senior Architect, CPWD Chandigarh vide no. CC/3616/487/2707 dated 04.07.2023 subject to incorporate the observations in the Architectural Preliminary drawings and Executive Engineer (Civil) & Elect.) are requested to submit the preliminary cost estimate for the said work.	The cost estimate is awaited form CPWD. Further, a reminder may be sent to CPWD for submission of cost estimate for construction of New Computer Engineering Block (G+5). As and when the cost estimate received from CPWD the same may be put up in next B&WC after getting approval from the competent authority of the Institute.
9 EAC Dec. 2022	To discuss the work of providing furniture for two nos. works: (under EWS). i) Additional floor over the existing building of MBA/MCA ii) Pre-feb construction of 2nd floor over the Old MBA Block. Work is in progress	The work has been physically completed. Final inspection will be held shortly	The final inspection has been fixed on 20.07.2023 for the work of providing furniture for two nos works: (under EWS). i) Additional floor over the existing building of MBA/MCA ii) Pre-feb construction of 2nd floor over the Old MBA Block.
10 EAC Dec 2022	To discuss the work of provision of installation of lifts along with toilet facilities for physically challenged	The approval from the competent authority of the Institute for reassessment of locations for provision of	The revised location has to be shared with CPWD after getting approval from

BWC 29.13 To consider and approve the cost estimate for the provision of a passage between boundary wall of Hostel No.-5 & bearer barracks from main road near Tube Well No.-6 to the existing three storeyed bearer barracks at NIT Kurukshetra.

The request received from the Dean (Students Welfare) & Chief Warden (Boys) on dated 28.06.2022 regarding to provide path for pedestrians and two wheeler vehicles near Boys Hostel No.-5 to Bearer Barracks of the Institute campus to facilitate the routine life of mess workers. Accordingly, the request was putup before the Estate Affairs Committee held on 20.07.2022 vide item no. 9(vi) in the meeting it is resolved that a passage from main road to bearer barracks adjacent to proposed boundary wall of Hostel No.-5 may be provided.

Accordingly, a cost estimate may be prepared by Estate Section for the approval of the competent authority. In the light of the decision of the Estate Affairs Committee meeting a letter vide no. CC/3506/510 dated 31.08.2022 was conveyed to Assistant Engineer (Civil) SG-I for preparing the cost estimate. The Estate Section prepared the cost estimate for an amount of Rs. 15,86,375/- for the provision of a passage between boundary wall of Hostel No.-5 & Bearer Barracks from main road near Tube Well No.-6 to the existing three storeyed bearer barracks at NIT Kurukshetra. The same was put up before the Estate Affairs Committee meeting held on 18.07.2023 vide item no.-21(C) in the meeting it was resolved that the cost estimate of Rs. 15,86,375/- may be put up in the ensuing meeting of B&WC for approval. Copies enclosed as **Appendix 29.13 (i) from pages 272 to 279**.

The Building & Works Committee may *consider and approve the cost estimate of Rs. 15,86,375/- for the provision of a passage between boundary wall of Hostel No.-5 & bearer barracks from main road near Tube Well No.-6 to the existing three storeyed bearer barracks at NIT Kurukshetra.*

Appendix 29.13 (i)

Subject: Regarding to provide path near Boys Hostel No.5 to Bearer Barracks of the Institute Campus.

PUC is a letter received from Mess Kalyan Karamchari Sangh, NIT Kurukshetra regarding to provide a path for mess workers near Boys Hostel No. 5 to Bearer Barracks to facilitate their routine life.

In view of above, the request of the Mess Kalyan Karamchari Sangh, NIT Kurukshetra may be considered to provide path for pedestrians and two wheeler vehicles near Boys Hostel No. 5 to Bearer Barracks of the Institute Campus to facilitate the routine life of mess workers.

Submitted please.

28/6/2022

Prof. Dixit Garg
Dean (Students Welfare) and
Chief Warden (Boys Hostels)

Registrar I/C 28/6/22

Director 28/6/22

Prof I/C (Estate)

Fac I/c (EAC) 29.06.2022

may be put in EAC. 29/6/22

A.E/(c)

Fac I/c (EAC) 04/7/22

A.E/(c)

May be put for EAC.

3/7/22

04-7-22

may be sent to Dean (P&D) for information

Fac I/c (EAC) 30/6/22

30/6/22

A/(P&D)/257
9/7/2022

पंजीकृत नं० 813

मैस कल्याण कर्मचारी संघ

राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र (हरियाणा)

(राष्ट्रीय महत्व का संस्थान)

संबंधित सर्व कर्मचारी संघ, हरियाणा

प्रधान :- प्रेम सिंह नेगी
पता H.No. 7

महासचिव :- अर्चना शुक्ला
पता LCH

क्रम संख्या

दिनांक.....

सेवा में,
चीफ वार्डन, NIT, कुरुक्षेत्र

विषय :- बैरा क्वार्टर के निवासियों को रास्ता देने हेतू।

आदरणीय महोदय,

सविनय निवेदन है कि बैरा क्वार्टर में जो मेस कर्मचारी रहते हैं उन्हें अपने व्हीकल्स की पार्किंग नहीं होने के कारण बड़ी कठिनाइयों का सामना करना पड़ रहा है, कृपया H.No. के पास से जाने का रास्ता है पर वहाँ पर कटीले तार लगे हुए हैं, ये तार हटा कर रास्ता बन सकता है।

कृपया कटीले तारों को हटवा कर रास्ता देकर कर उन्हें अपने वाहनों को ले जाने की अनुमति प्रदान करें। आपकी महान कृपा होगी। मेस संघ सदैव आपका आभारी रहेगा। धन्यवाद।

President
Mess Kalyan Karamchari Sangh
Regd. No. 813, NIT Kurukshetra (Hry.)

Secretary
Mess Kalyan Karamchari Sangh
Regd. No. 813, NIT Kurukshetra (Hry.)

Copy to -
Dean (SW)

EAC minutes of meeting held on 20.07.2022

v **Provision of a gate in the boundary near Computer Engg. Block for pedestrian to facilitate the staff and students to enter from this gate in the Department of Computer Engg., Library, EC&CE Deptt., CCN and other Departments by making access upto the boundary from the main road.**

The above matter was discussed in the meeting of Estate Affairs Committee. The EAC resolved that a revolving wicket gate width of 1 meter in the boundary wall near entrance of Computer Engineering Department may be provided and also a path from main road to the revolving wicket gate may also be provided.

vi **A passage from main road may be left between bearer barracks and boundary wall of Hostel No.-5 to facilitate the bearers as the work of boundary wall of Hostel No.-5 has to be executed by CPWD.**

The request received from Dean (SW) & Chief Warden (Boys) was discussed in the meeting of Estate Affairs Committee. It was resolved that a passage from main road to bearer barracks adjacent to proposed boundary wall of Hostel No.-5 may be provided. Accordingly, a cost estimate may be prepared by Estate Section for the approval of the competent authority.

vii & viii **Replacement of existing path along the main road with colorful paver block from chowk near Hostel No.-4 to NIT chowk, NIT chowk to Girls Hostel and NIT chowk to Main gate towards KUK.**
Provision for covering of existing foot paths with fiber sheet shed to facilitate the students and staff including the provision of lighting arrangement from:
i) Chowk near Hostel No.-4 to EC&CE Deptt. near south west corner of park.
ii) Barrier of Girls Hostel to Computer Engg. Deptt. Connecting corridor.
iii) Chowk near Hostel No.-11 to MBA/MCA Block.
The EAC was apprised about the above said works. It was resolved and decided that these points will be discussed during the finalization of Institute Master Layout Plan with the competent authority.

10 **To discuss the request received from Dean (SW) and Chief Warden (Boys) vide dated 26.06.2022 regarding providing path near boys hostel no.-5 to bearer barracks of the Institute Campus.**

This point has already been discussed in the item no. 9 (vi) for further, course of action.

11 **To discuss a letter received from Executive Engineer (Civil), CPWD, Karnal vide letter no. 20(NIT-KKR)/PS/CD2022/1536 dated 01.07.2022 regarding provision of internal &External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel 1, 2 & 3 Girls Hostel A, B C, KC & BT/CT Type Houses.**

A letter received from Executive Engineer (Civil), CPWD, Karnal regarding provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel 1, 2 & 3 Girls Hostel A, B C, KC & BT/CT Type Houses was discussed in the meeting of Estate Affairs Committee. The EAC resolved that a letter may be sent to CPWD after taking approval from competent authority so that the work may be executed at the earliest.

12 **To discuss a request received from Senior Medical Officer, Health Centre vide letter no. HC/2022/261 dated 24/26.06.2022 regarding establishing a Physiotherapy Unit in the existing garage by providing additions & alteration along with toilet facilities for gents & ladies and covering of open area between existing garage and connection corridor joining to new and old building of the Institute Health Centre.**

The above request received from Senior Medical Officer, Health Centre regarding establishing a Physiotherapy Unit in the existing garage by providing additions & alterations along with toilet facilities for gents & ladies and covering of open area between existing garage and connecting corridor joining to new and old building of the Institute Health Centre was discussed in the Estate Affairs Committee Meeting. After detailed discussion, the EAC resolved in consultation with Senior Medical Officer Health Centre and recommended that the existing room no. 10 of Health Centre may be used for establishing a Physiotherapy unit instead of conversion of existing garage.

Contd.. P/4

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. CC/3506/ 510

Dated 31.08.2022

Subject: Provision of a passage from main road to the bearer barracks near the new boundary wall of Hostel No.-5 – regarding
(EAC meeting Item No.-9(vi) & 10 dated 20.07.2022)

The matter regarding creating a passage from main road to the bearer barracks near the new boundary wall of Hostel No.-5 (to be constructed by CPWD) to facilitate the bearers was discussed in the Estate Affairs Committee meeting held on 20.07.2022. The EAC resolved and recommended as under:

"A passage from main road to bearer barracks adjacent to proposed boundary wall of Hostel No.-5 may be provided. Accordingly, a cost estimate may be prepared by Estate Section for the approval of the competent authority".

This is for information and further necessary action please.

This is being issued after approval of the competent authority of the Institute.

31.08.2022

Prof. I/C (Estate & Construction)

Assistant Engineer (Civil)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)

Name of work: - Cost estimate for provision of a passage between boundary wall of Hostel no- 5 & bearer barracks from main road near Tube Well No - 6 to the existing three storyed bearer barracks at NIT Kurukshetra

SCHEDULE OF QUANTITIES

S.No.	Item	Quantity	Unit	Rate (₹)	Amount (₹)	DSR. No.
1	2	3	5	4	6	7
EARTH WORK						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1	All kinds of soil.	37.85	cum	286.85	10858.00	2.8.1
2	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					2.28
2.1	All kinds of soil	680.02	sqm	28.15	19143.00	2.28.1
CONCRETE WORK						
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
3.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	11.35	cum	7365.15	83595.00	4.1.3
3.2	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	87.00	cum	6326.05	550367.00	4.1.8
MASONRY WORK						
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					6.1
4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	31.82	cum	6882.00	218986.00	6.1.1
FINISHING						
5	12 mm cement plaster of mix :					13.1
5.1	1:6 (1 cement: 6 fine sand)	107.45	sqm	282.00	30301.00	13.1.2
ROAD WORK						
6	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge					16.91
6.1	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	498.68	sqm	1011.2	504266.00	16.91.2
				Total	14,17,516.00	
	Add @ 6.33% due to increase in GST from 12% to 18%				89729.00	
				Total	1507245.00	
	Add Labour Cess @ 1% (on Estimate 1507245.00) Total				15072.00	
	Add EPF & ESIC @ 4.25% (on Estimate 1507245.00) Total				64058.00	
				Grand Total ₹	1586375.00	

The all items (1 to 6.1) mentioned above may be treated as one job

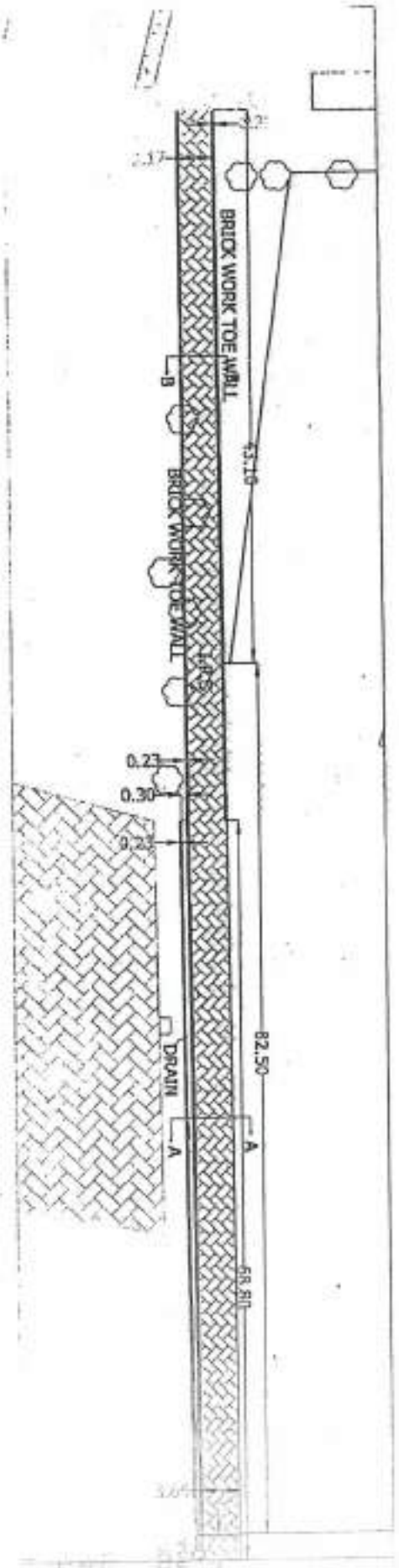
The above estimate is based on DSR 2021

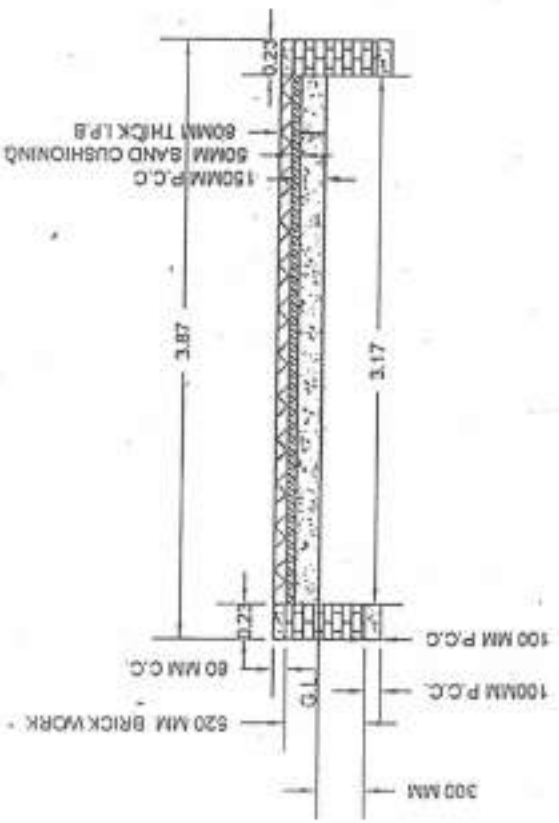
Faculty I/C (E&C)

14/2/2023
Assistant Engineer (Civil) SG-1

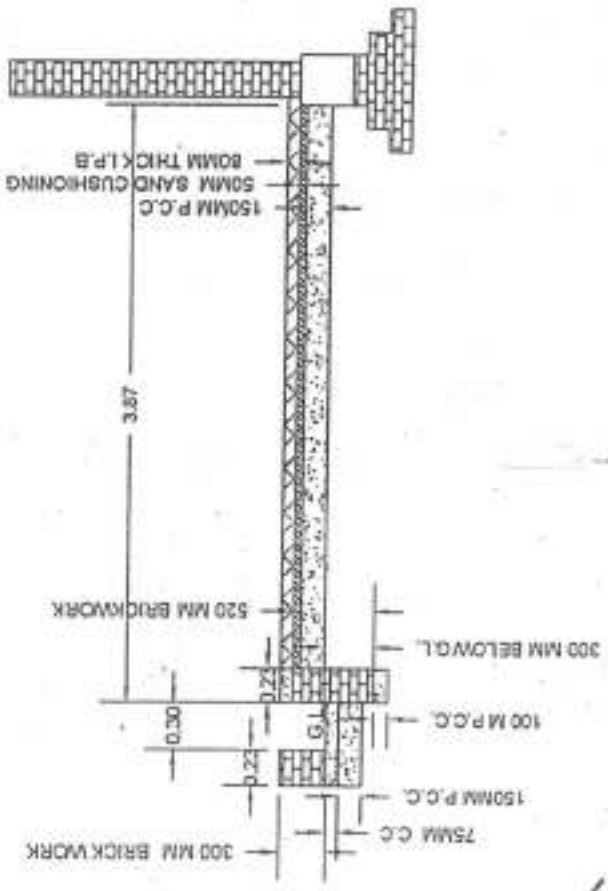
Assistant Engineer (Civil)

Associate Dean (P&D) for (E&C)


BRICK WORK TOE WALL
B
BRICK WORK TOE WALL
0.23
0.30
DRAIN
A
82.50
A
68.50



SECTION - BB



SECTION - AA

EAC minutes Meeting held on 18.7.2023

B) Provision of Internal & External finishing i.e. distempering & painting of Teachers Flats.

The matter regarding the Provision of Internal & External finishing i.e. distempering & painting of Teachers Flats was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that Estate Section may prepare the cost estimate for the work of Provision of Internal & External finishing i.e. distempering & painting of Teachers Flats.

9

C) To discuss the cost estimate of Rs. 15,86,375/- for the provision of a passage from main road to the bearer barracks near the new boundary wall of Hostel No-5

The cost estimate of Rs. 15,86,375/- for the provision of a passage from main road to the bearer barracks near the new boundary wall of Hostel No-5 was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the cost estimate of Rs. 15,86,375/- may be put up in the ensuing meeting of B&WC for approval.

D) Installation of Additional Solar Plan in the Institute.

The matter regarding installation of additional solar plant in the Institute was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that solar plant installation may be explored on the roof top of MBA/MCA Department, Siemens Centre, LHC block and any other vacant place if available.

E) To discuss the Additional floor over the following three buildings.

i) Computer Engineering Block

ii) Lecture Hall Complex

iii) Examination Hall

The matter regarding vertical extension of the structures listed was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the examination of these structures to be carried out from CPWD or any other agency for the vertical extension.

F) Construction of Rain Water Drain.

The matter regarding construction of rain water drain at different location in the institute was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the construction of the drains may be carried out by the Estate Section.

G) Providing furniture for the 2nd floor over the existing building of 12 nos. Lecture Hall Complex (LHC)

The matter regarding providing furniture for the 2nd floor over the existing building of 12 nos. Lecture Hall Complex (LHC) was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the process may be initiated by sending a requisition to CPWD to submit the cost estimate for providing furniture for the 2nd floor over the existing building of 12 nos. Lecture Hall Complex (LHC) after approval of the competent authority.

H) Provision of drain in front of CC Type Houses.

The matter regarding provision of drain in front of CC Type Houses was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that to explore the drain work in front of CC Type Houses to ensure the drainage.

The meeting ended with a vote of thanks to the chair.

The minutes of EAC meeting are submitted for kind consideration & approval please.

Faculty I/C (EM&T) | A.E. (Civil) SG-I | A.E. (Elect.) SG-II

Dean (P&D) & Chairman (EAC) | Associate Dean P&D for (E&C) | Faculty I/C (E&C)

Registrar I/C

Director

D(P&D)/398
21/8/2023

1694
21.08.23

BWC 29.14 To consider and approve the Preliminary cum detailed estimate for the work of Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT, Kurukshetra.

The request received from Dean (SW) dated 31.08.2021 regarding repair of leakage of staircase and roof of swimming pool, gents toilets and repair of stone plates in swimming pool. Accordingly, the Faculty, I/C (E&C), AE(Civil) & JE (Civil) visited the site of swimming pool on 17.03.2022 and give their observations. Further the same was put up before the Estate Affairs Committee Meeting held on 25.05.2022 vide item no.-5. The EAC discussed in detail & deliberated and recommended that the work may be executed as per GFR-2017, GOI norms. Copies enclosed as **Appendix 29.14(i) from pages 281 to 283.**

Subsequently Executive Engineer, CPWD Karnal was intimated vide letter no. CC/3169/354/1969 dated 20.06.2022 regarding to rectify the defects in RCC Slab of store room in the swimming pool, NIT Kurukshetra. In response to above referred letter Executive Engineer(Civil), CPWD, Karnal submitted cost estimate of Rs.14,09,500/- vide letter no. 20(NIT-KKR)/PS/CD/2022/1933 dated 20.08.2022 for the work of Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT, Kurukshetra.

The cost estimate received from CPWD was put up before the EAC held on 12.09.2022 vide item no-8. The EAC resolved & recommended that the cost estimate may be put up before the ensuing B&WC meeting for approval. Copies enclosed as **Appendix 29.14(ii) from pages 284 to 292.**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate for an amount of Rs.14,09,500/- for the work of Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT, Kurukshetra.*

Appendix 29.14 (i)

Subject: Regarding various repair work in the Swimming Pool.

With the reference of above cited subject, the swimming pool is not operated from last two years due to Covid pandemic. There are various repair work exit in swimming pool as mentioned below:-

1. Repair of leakage on staircase and roof of swimming pool and gents toilets.
2. Repair of stone plates in swimming pool.
3. Paint work in the inner side of swimming pool area including store changing room and walls.
4. Any other missing or necessary maintenance / repair work of swimming pool.

Submitted for your kind further perusal and necessary action, please

SAS/Office

Prof. I/C (Physical Education)

31/08/21

26/8/21

Dean (SW)

Prof. I/C (E&C)

Fac IIc (E&C) / AE(C)

Fac IIc (E&C)

JE(C)

JE(C)

Invigilator thereabove, it is requested to Prof I/c E&C & Fac IIc (E&C) to fix the date & time for visit the site regarding leakage on staircase & roof of swimming pool. Submitted please

Fac(E&C)

AE(C) The visit may be planned in the next week on 13/09/21 before that the site to be visited & all concerned may be noticed

AE(C)

JE(C)

DIT(C)

Faculty I/C. (E&C), A.E. (Civil) & J.E. (Civil) visited the site of swimming pool on 17.03.2022 regarding the repairs works as per the requisition received from SAS officer. During the site visit following observation were made.

1. Regarding the repair of leakage on stairs, it was suggested that the existing Kota/Granite Stone on the stairs be removed and arrangement for water proofing treatment be done to prevent leakage through the roof of changing rooms and toilets.
   Further it was also observed that the reinforcement of RCC slab of store room is badly damaged and expose due to rusting/corrosion and Cement Concrete is falling down frequently. So it was suggested that the RCC Slab of store room be dismantled and re-casted to avoid any mishappening.

2. Regarding the repair of stone plates in swimming pool, it requires the repair/replacement of stone plates in the swimming pool. Also, the chequerd tiles surrounding the swimming pool needs to be repaired/replaced.

3. Painting work as mentioned in the requisition has already been done by the Estate Section.

4. Damaged mosaic tiles in pool area may be repair/replaced to make the Swimming Pool functional.

5. It was also observed that the reinforced cement concrete slab of tank body having number of cracks which are clearly seen on its surface. So it requires comprehensive water proofing treatment to prevent the leakage through the slab of tank body.

6. Drain along the wall needs to get repaired.

7. The replacement of existing cement jali with brick work is needed as done in some places along the boundary.

Faculty I/C (E&C) 06/04/22

Assistant Engineer (Civil) 06/04/22

J.E. (Civil) 6/4/22

Subject: **Minutes of the meeting of Estate Affairs Committee held on 25.05.2022 at 10:30 AM in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.**

A meeting of Estate Affairs Committee was held on 25.03.2022 (Wednesday) at 10:30 PM onwards in the office of the Dean (P&D) & Chairman (EAC) to discuss various issues related to Estate Section.

The following were present:

1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Arun Goel, Prof. I/C (E&C)	Member
3.	Prof. Pratibha Aggarwal, Prof. CED	Member
4.	Dr. H.D. Chalak, Faculty I/C (E&C)	Member
5.	Dr. Sandeep Kakran, Faculty I/C (EM&T)	Member
6.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
7.	Er. Ashish Kumar Choudhury, A.E. (Elect.)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.
The following issues were discussed and resolved as under:

1. **To discuss regarding Action Taken on previous meeting held on 16.03.2022**
The detailed discussion on action taken is enclosed as per Annexure-I

2. **To discuss the request received from M/s. Yashika Milk Booth on dated 22.03.2022 regarding provision of providing sewer, water connection and renovation of surrounding of Milk Booth near NIT Market, Kurukshetra.**
The request regarding provision of sewer, water connection and renovation of surrounding of Milk Booth near NIT Market, Kurukshetra was put up before the Estate Affairs Committee. The EAC discussed and resolved that it is not feasible to make the requisite provisions and may be dropped.

3. **To discuss the letter received from the Faculty I/C (H&L) vide no. EO/2021-22/188 dated 24.03.2022 regarding damage of decorative tree by the contractor doing civil construction work in Siemens center, in this regard the payment of Rs. 5000/- may be imposed.**
The matter regarding damage of decorative tree by the contractor doing civil construction work in Siemens Center and payment of Rs. 5000/- may be imposed was discussed in the Estate Affairs Committee. The EAC resolved that Faculty I/C (H&L) and CPWD officials may resolve this issue by mutual discussion within week after the date of receipt of letter.

4. **To discuss a request from the Chief Warden (Boys hostel) vide no. CW/DG/2022/52 dated 14.03.2022, regarding build two more floors on the Hostels no. 7, 8 & 9 to accommodate around 500 more students in this way.**
The matter regarding construction of two more floors on the Boys Hostels no. 7, 8 & 9 to accommodate around 500 more students was discussed in the meeting of Estate Affairs Committee. On the basis of a report received from the Consultant, M/s. Saakaar Foundation, the EAC resolved and recommended that it is not possible to construct any more floors on the Hostels No. 7, 8 & 9 (copy of letter attached).

5. **To discuss a visit report regarding repair works in the Swimming Pool as per the requisitions received from Dean (SW) on 02.09.2021.**
The matter regarding repair works in the Swimming Pool was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the work may be executed as per GFR-2017, GoI norms.

6. **To discuss a request received from the Prof. I/C (Physical Education) vide no. PESS/22/80 dated 21.02.2022, regarding construction of iron angle mess gate in between Volleyball and Lawn Tennis Court and a stone pathway from existing gate to end of Volleyball Corner.**
The matter regarding construction of iron angle mess gate in between Volleyball and Lawn Tennis Court and a stone pathway from existing gate to end of Volleyball Corner was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the estimate may be prepared in consultation with the SAS officer of Sports Section within two weeks after the date of receipt of letter and work may be executed as per GFR-2017, GoI norms.

7. **To discuss regarding construction of Web room facility.**
The matter regarding construction of Web room facility was discussed in the meeting of Estate Affairs Committee. The EAC deliberated on the matter and resolved that the DPR may be submitted in the next meeting of EAC for further processing of construction of a Web room facility.

Contd. P/2

Appendix 29.14 (ii)

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No.CC/3169/354/1969 Dated: 20.06.2022

To

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Defects in the RCC slab of Store Room in the Swimming Pool at NIT Kurukshetra – regarding.

It is bring to your kind notice that the reinforcement of RCC slab of Store Room is exposed and badly damaged due to rusting/corrosion and also observed that cement concrete patches are falling down frequently.

In this regard, it is requested to look into the matter as the building of Swimming Pool was constructed in the year 2014. It is relevant to mention here that the life of RCC framed structure is considered to be 75 years under normal conditions. CPWD carried out construction activities with using best practices and as per CPWD manual so these issues should not be arisen. Further, it is also brought to your kind notice that the water is leaking through the roof of changing room & toilets.

In view of the above, therefore it is requested to visit the site and do the needful at the earliest so that an early action may be taken accordingly.

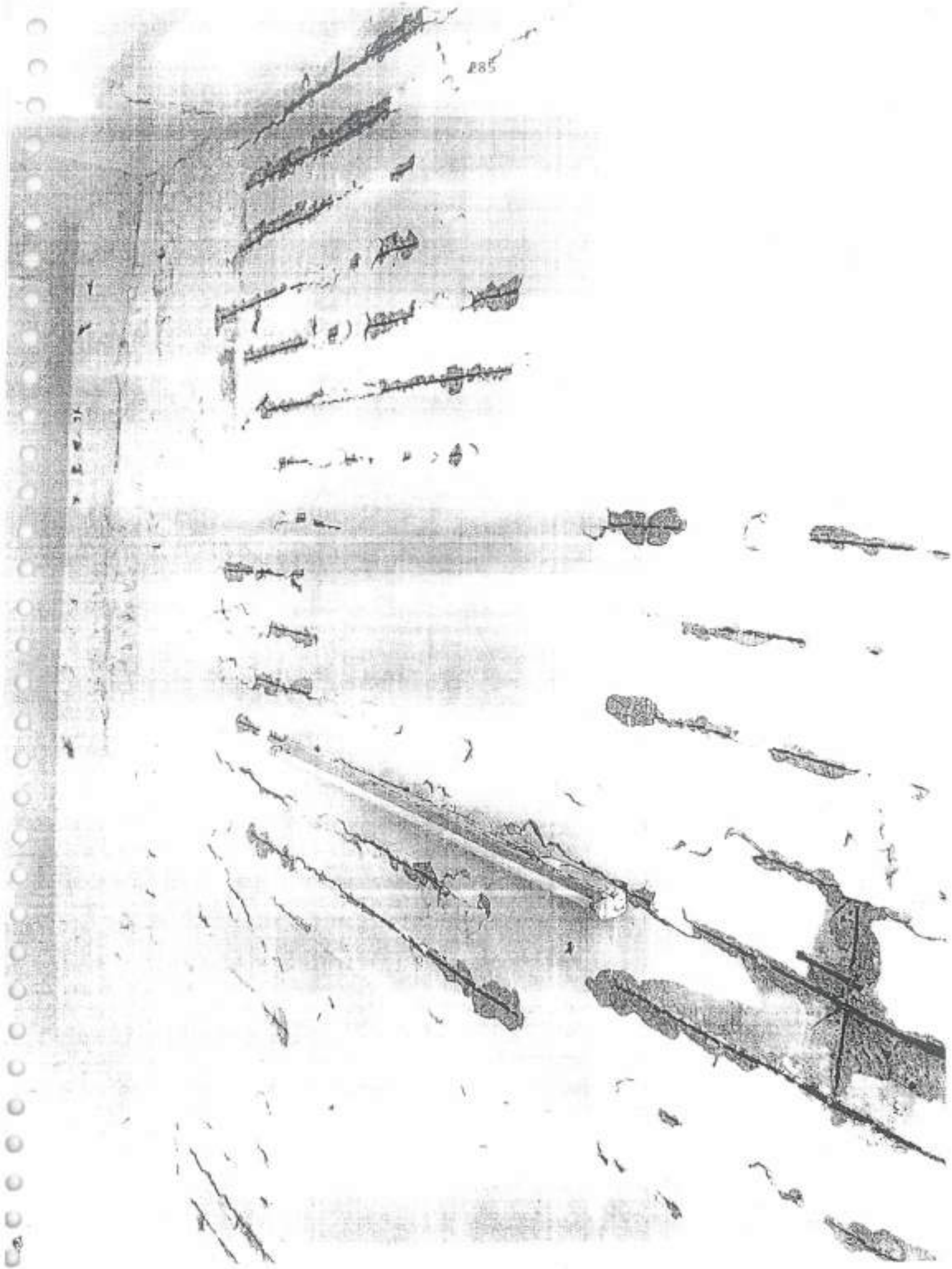
This is for your kind information and further necessary action please.

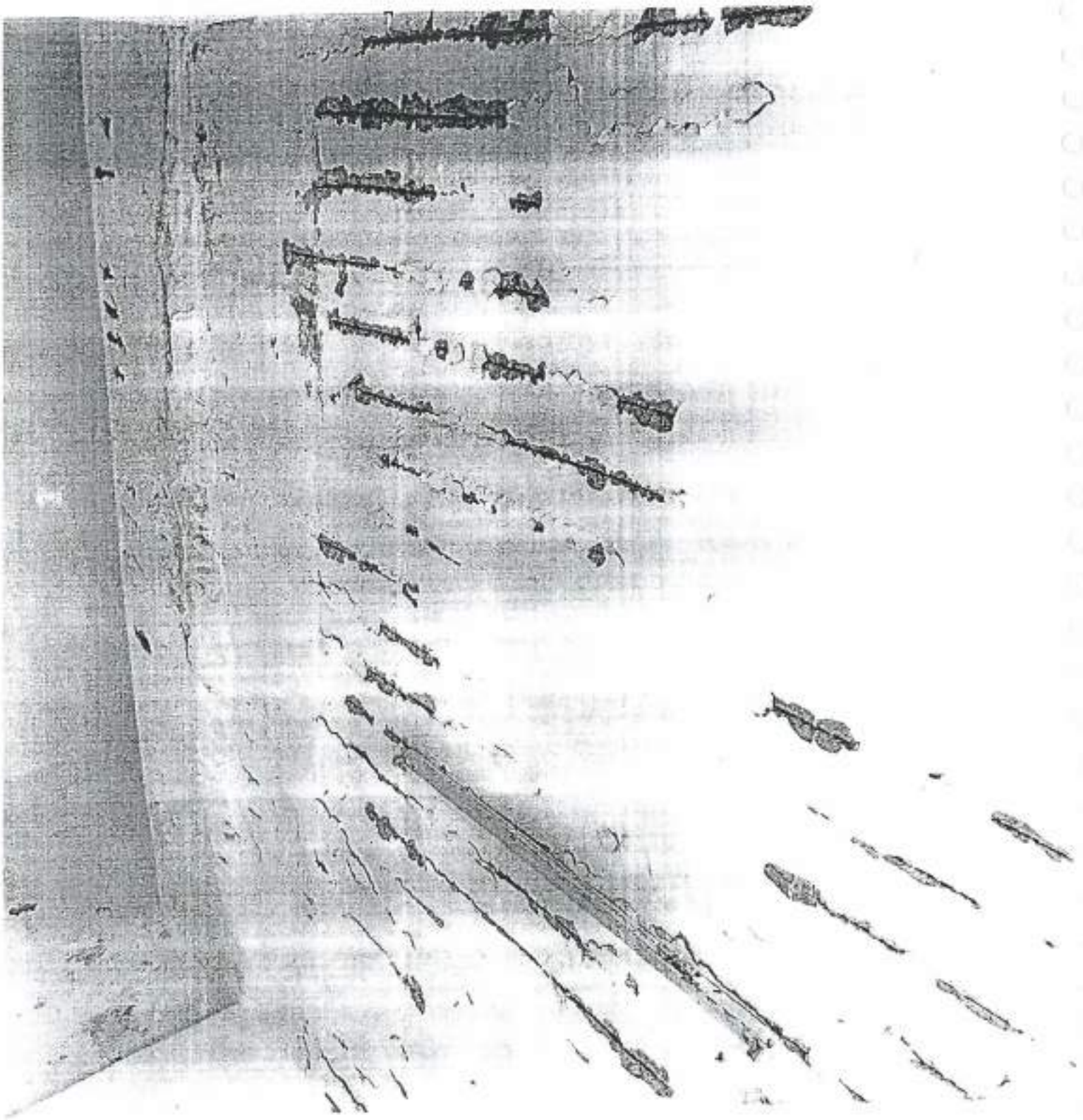
This may please be treated as most urgent.

Prof. I/C (Estate & Construction)
20/06/22

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for kind information of Registrar
3. Dean (P&D)
4. A.E. (Civil), CPWD, NIT Camp Office, Kurukshetra





ESTATE SECTION
Diary No. 1274
Dated. 23.08.22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer
Central Public Works Department
NDRI Campus, Near State Bank of India
Kamal-132001. E-mail : eekcd.knl.cpwd@nic.in

संख्याः- 20(NIT-KKR)/यो.शा./क.मं/2022/1933 दिनांक 23.08.2022

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

Fae I/c (E&C)
Budget 2022-23 May be put in BA
A.E.(C) S.E(A) S.E(C)

विषय : **Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra, Haryana**

संदर्भ : आपका पत्र सं० CC/3169/354/1969 दिनांक 20.06.2022

महोदय,

उपरोक्त कार्य का विस्तृत प्रारम्भिक अनुमान जिसकी राशि 14,09,500/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। इस अनुमान की आवश्यकता को अनुमान की हिस्ट्री शीट मे वार्णित किया गया है।

आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें एवं कार्य की स्वीकृति करते समय "लेखा शीर्ष" (हेड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न : उपरोक्त दो प्रतियों में।

भवदीय,
20/08/2022
(देवेन्द्र सिंह)
कार्यपालक अभियन्ता

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 178 दिनांक 20.07.2022 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: Karnal**

NAME OF WORK: **Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra, Haryana**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 14,09,500/-.**

REPORT

History: This preliminary cum detailed estimate amounting to **Rs. 14,09,500/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. In reference to client letter No. CC/3169/354/1969 dated 20.06.2022 the site has been visited by the Executive Engineer, Karnal Division along with Assistant Engineer, Kurukshetra Sub Division and it is observed that there is leakage through joint of granite stone flooring on steps and chequered tiles provided on the roof/terrace (functioning as viewing gallery for swimming pool). The water proofing treatment of the mother RCC slab is needed to avoid rusting/ corrosion of reinforcement and damages of RCC surfaces. Hence this estimate has been prepared.

Design & Scope: **The following provisions have been made in this preliminary cum detailed estimate:**

1. Dismantling of existing granite stone flooring, chequerred flooring of terrace including stair case.
2. Water proofing treatment on entire terrace including toilets.
3. Kota stone flooring, skirting.
4. Repair & rehabilitation of RCC slab of store room.

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction Indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case

the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.

5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P:	Shall be arranged by the contractor.
WC Establishment:	Shall be met out of contingencies.
Land:	Available with client department.
Rate:	Based on **DSR–2021** rates.
Method:	Through contract after call of tender.
Time:	**60 Days (After receipt of A/A & E/S)**
Cost:	**Rs. 14,09,500/- i/c contingencies.**
Note:-	The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years. **This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.**

20/3/22

Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

Original Estimate

Name of Work:- Water Proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra, Haryana

SL. No.	DSR No.	Description	Qty	Unit	Rate	Amount
1	5	REINFORCED CEMENT CONCRETE				
1.1	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
1.1.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	150	kg	89.65	13448.00
2	11	FLOORING				
2.1	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
2.1.1	11.26.1	25 mm thick	433	sqm	1706.60	738958.00
2.2	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	48	sqm	2038.55	97850.00
3	15	DISMANTLING AND DEMOLISHING				
3.1	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
3.1.1	15.23.1	For thickness of tiles 10 mm to 25 mm	368	sqm	60.50	22264.00
3.2	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	113	sqm	219.75	24832.00
3.3	15.6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	24	cum	219.35	5264.00
4	22	WATER PROOFING				
4.1	22.6	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	481	sqm	585.55	281650.00

	26	NEW TECHNOLOGIES AND MATERIALS				
5.1	26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
5.1.1	26.28.2	50mm average thickness	22	sqm	211.65	4654.00
5.2	26.29	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
5.2.1	26.29.1	Bars upto 12 mm diameter	264	metre	6.65	1756.00
5.3	26.31	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
5.3.1	26.31.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	22	sqm	117.75	2591.00
5.4	26.34	Providing and laying SBR Polymer modified (of approved make @ minimum 2% by wt. of cement used) plain/reinforced concrete jacket for the structural members e.g. columns, pillars, piers, beams etc with concrete having the specified minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness all-round existing core of RCC member.				
5.4.1	26.34.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum	22	sqm	567.25	12480.00
		TOTAL				**1205747.00**
		Add Contingencies on (A) @	5.00%			60287.00
		Add EPF & ESIC on (A) @	11.90%			143484.00
		GRAND TOTAL				**1409518.00**
					Say Rs.	**14,09,500/-**

20/8/22

Sr. Draughts Man	Assistant Engineer (P)		Executive Engineer-Karnal	
CPWD, Karnal	CPWD, Karnal		CPWD, Karnal	

minutes of meeting held on 12.09.2022

5. **To discuss the preliminary cum detailed cost estimate of Rs. 34,52,000/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1740 dated 20.07.2022 regarding Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre at NIT Kurukshetra (received on 22.07.2022).**

The preliminary cost estimate of Rs. 34,52,000/- for Provision of sound proofing of music rooms, including misc. repair i.e. water proofing of terrace, repair to damaged plaster, concrete pavement, replacement of damaged wooden door and window shutters etc. of Student Activity Centre received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval. Further, regarding the request received from Prof. I/C (Student Club) for the installation of 8 nos. ACs in the SAC, the EAC resolved that the installation of ACs in the SAC building may be taken up after completion of the above said renovation works.

6. **To discuss the preliminary cum detailed cost estimate of Rs. 78,03,300/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1741 dated 20.07.2022 regarding finishing work in the all Academic buildings at NIT Kurukshetra (SH: finishing walls with exterior paints & misc. repair).**

The preliminary cum detailed cost estimate of Rs. 78,03,300/- for finishing work in the all Academic buildings (SH: finishing walls with exterior paints & misc. repair) received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the same may be put up before the ensuing B&WC meeting for approval.

7. **To discuss the request received from Chief Warden (Hostels) vide no. CW/VK/2022/155 dated 13.08.2022 regarding requirement of additional hostels and guest room facilities for students and guests.**

The request received from the Chief Warden (Hostels) was put up before the Estate Affairs Committee. The Estate Affairs Committee deliberated on the matter and resolved that a multistorey (G+5) two seater boys hostel of capacity about 1600 students may be planned on the vacant space lying behind Hostel No.-11, measuring of approx. size (175 mtr. x 102 mtr.). Further, it was resolved that a requisition may be sent to CPWD to submit the preliminary cost estimate on plinth area basis for the construction of multistorey two seater boys hostel of capacity about 1600 students with all amenities including provision of lifts etc. The common amenities like mess, dinning hall & common room etc. will be provided in a new multistorey building for the above said proposed hostel and the new hostel coming in place of existing Hostel No. 1 & 2. The committee also resolved that the trees/plants of different species are standing in the pocket is to be removed/replanted by H&L Section for the construction of the above said work. The preliminary cost estimate on plinth area basis will be put in the next EAC meeting.

8. **To discuss the detailed cum preliminary cost estimate of Rs. 14,09,500/- received from the Executive Engineer (Civil), CPWD vide letter no. 20(NIT-KKR)PS/CD/2022/1933 dated 20.08.2022 regarding water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room at NIT Kurukshetra.**

The detailed cum preliminary cost estimate of Rs. 14,09,500/- for water proofing treatment on roof of changing room & toilets i.e. viewing gallery of Swimming Pool including repair of RCC slab of store room received from CPWD was put up before the Estate Affairs Committee. The EAC resolved and recommended that the cost estimate may be put before the ensuing B&WC meeting for approval.

BWC 29.15 To consider and approve the preliminary cum detailed cost estimate for providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra, Haryana.

A letter received from the Registrar Incharge vide no. R/675 dated 17.02.2022 regarding Informative/Regulatory/Mandatory sign board in various places of the campus. Accordingly, the work as citied in the subject was putup before the Estate Affairs Committee held on 16.03.2022 vide item no.-4. The Estate Affairs Committee resolved that a letter may be sent to CPWD for submission of complete details of sign board alongwith Cost Estimate may be communicated. In reference to the decision of the Estate Affairs Committee meeting a letter was conveyed to Executive Engineer (Civil) & Executive Engineer (Elect.) CPWD Karnal vide no. CC/3506/234/1240 dated 13.04.2022.

In response to the above, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate of Rs. 40,43,300/- vide letter no. 20(NIT)/PS/CD/2022/1322 dated 08.06.2022. After receipt of preliminary cum detailed cost estimate the same was put up before the Estate Affairs Committee meeting held on 20.07.2022 vide item no.-7. In the meeting it is resolved that a detailed list of sign boards alongwith size, colour and locations may be obtained from CPWD so that further course of action may be decided. In the light of the decision of the Estate Affairs Committee a letter was sent to Executive Engineer (Civil), CPWD vide no. CC/3506/519/3671 dated 31.08.2022 regarding to submit a detailed list of sign boards alongwith size, colour and locations may please be submitted to the Institute so that further course of action may be taken accordingly.

In response to the above letter copy of detail of measurement of size of boards, location for different type of boards, place identification boards for all academic buildings and residential buildings, other boards such as regulatory, mandatory, cautionary, direction boards are proposed for internal roads including 08 major inter sections and the size, colour and shape for different type of boards will be designed as per code IRC67-2012 [Third revision] received from Assistant Engineer (Civil), Sub-Division, CPWD vide letter no. 24(NIT/AE/KSD/2022/216 dated 29.09.2022. Copies enclosed as Appendix 29.15 (i) from pages 295 to 310.

Further, the matter was discussed in the meeting of Estate Affairs Committee held on 24.01.2023 vide item no. 6 EAC. In the meeting it is resolved that before proceeding further, the Estate Section may scrutinize the cost estimate submitted by CPWD for the above said work, the same be discussed in the ensuing meeting of Estate Affairs Committee.

Accordingly, the Estate Section scrutinize the preliminary cum detailed cost estimate for an amount of Rs. 40,43,300/- for providing Informatory/Regulatory/ Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus has been scrutinized by the estate section based on detail received from CPWD as per actual site requirement by reducing the quantities of Informatory/Regulatory/ Mandatory sign boards. After scrutinizing the cost estimate has been worked out for amounting to Rs. 22,00,700/- for the above said work. The same was put up before the EAC meeting held on 06.10.2023.

In the light of the above, the EAC deliberated on the cost estimate of Rs.22,00,700/- scrutinized by the Estate Section and resolved that the cost estimate of Rs.22;00,700/- for the work of providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus may be put up in the ensuing meeting of Building & Works Committee for approval. Copies enclosed as **Appendix 29.15 (ii) from pages 311 to 320.**

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate of Rs. 22,00,700/- for providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra, Haryana.*

Appendix 29.15 (i)

ESTATE SECTION
Diary No. 226
Dated 18/2/2022

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA – 136119

No.R/675 Dated:17.02.2022

A discussion meeting was held on 17.02.2022 with the Hon'ble Director. During the discussion, he has suggested the following initiatives may be taken for the development of the Institute and campus:

1. Installation of IOT based sensor for minimizing the electricity bills.
2. Installation of Solar Panels in the roof of remaining buildings.
3. Informative/Regulatory/Mandatory sign board in various places of the campus.
4. Installation of Piped Music system in the campus (Ref.: NIT, Hamirpur, GGSIP University, New Delhi).
5. Installation of 3D metal logo of the Institute and statue of Lord Krishna in the centre of existing fountains.
6. Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.
7. Construction of Water Harvesting Pits/Rain Water Harvesting system.
8. Construction of a Fountain in the Guest House compound.
9. Construction of open gymnasium in the Guest House compound.
10. Construction of new Lecture Hall Complex (LHC).
11. Construction of a studio.
12. Marking of Cycle path (in yellow color) on the both sides of the roads.
13. To check the working conditions of Solar Geysers installed at the roof or hostels.
14. Space Audit of the buildings and campus.

The above proposals may be placed before the Estate Affairs Committee.

17/02/22
Registrar Incharge

Dean (P & D) 17.02.2022

Prof. i/c (E&C)

Fac I/c (E&C), Fac I/c (EM&T)

AE (C)

Subject: Minutes of the meeting of Estate Affairs Committee held on 16.03.2022 at 03:30PM in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 16.03.2022 (Wednesday) at 03:30 PM onward in the office of the Dean (P&D) & Chairman (EAC) to discuss the various issues related to Estate Section.

The following were present:

1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Arun Goel, Prof. I/C (E&C)	Member
3.	Prof. Pratibha Aggarwal, Prof. CED	Member
4.	Dr. H.D Chalak, Faculty I/C (E&C)	Member
5.	Dr. Sandeep Kakran, Faculty I/C (EM&T)	Member
6.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
7.	Er. Ashish Kumar Choudhury, A.E. (Elect.)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.

The following issues were discussed and are resolved as under:

1.	**To discuss regarding Action Taken on previous meeting held on 17.11.2021** The detailed discussion on action taken is enclosed as per Annexure-I
2.	**Installation of IOT based sensor for minimizing the electricity bills** The matter regarding installation of IOT based sensors for minimizing the electricity bills was discussed in the Estate Affairs Committee. The EAC was apprised that the sensors based lights and fans have already been installed in old Administrative Block, CED, MED, EED, AM Block, AB Block MBA/MCA Building Old MBA Building. The details of these items were put before the EAC. Further, it was resolved that the scope of IOT based sensors system for street lights will be explored in the coordination with the CPWD on the main road & Institute Boundary wall where old conventional street lights were installed.
3	**Installation of Solar Panels in the roof of remaining buildings.** The matter regarding installation of solar panels on the roof of remaining buildings was discussed in the Estate Affairs Committee. The EAC was apprised that the 01 MW solar panels system have already been installed on various locations in the Institute. The details of the solar panels and savings of the financial year 2021-22 from the solar plants was also put up before the EAC. Further, it was resolved that the installation of the solar panels in the remaining buildings will be explored after completion of work of extension of these buildings in future.
4	**Informative/Regulatory/Mandatory sign board in various places of the campus.** The matter regarding informative/regulatory/mandatory sign board at various places of the Institute campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that letter requesting CPWD to submit complete details of sign board alongwith cost estimate may be communicated.
5.	**Installation of Piped Music system in the campus (Ref. "NIT Hamirpur, GGSIP University, New Delhi")** The matter regarding installation of piped music system in the campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that installation of piped music system at the following locations may be explored with the cooperation of the CPWD: 1. Girls Hostel to Academic area 2. Boys Hostel to LHC 3. Boys Hostel to Academic area on either sides of OAT
6	**Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.** The matter regarding installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a location & installation of 3 D metal logo may be explored from CPWD by sending a requisition.
7.	**Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.** The matter regarding installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the installation of sign board may be explored from CPWD by sending a requisition.
8.	**Construction of Water Harvesting Pits/Rain Water Harvesting system.** The matter regarding construction of Water Harvesting Pits/Rain Water Harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the existing water harvesting systems to be rejuvenated. Further, a request should be communicated to CPWD for making the provision of water harvesting systems along the existing drains in the Campus.

Contd..P/2

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/ 234 | 1240 Dated 12.04.2022
13

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

The Executive Engineer (Elect.),
CPWD, 208-D, HSIIDC, Sector-3,
Karnal-132001

Subject: Informatory/Regulatory/Mandatory sign boards at various places in the Institute campus - regarding. (EAC Item No.-4)

It is intimated that the competent authority of the Institute has desired to provide/fix the informatory/regulatory/mandatory sign boards at various places in the Institute campus.

In this regard it is requested to submit the complete details of Informatory/Regulatory/Mandatory sign boards needed at various places of the Institute campus alongwith cost estimate, so that an early action may be taken accordingly.

This is for information and further necessary action please.

12.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (EM&T)
3. Faculty I/C (E&C)
4. Dean (P&D)
5. Assistant Engineer (Elect.), CPWD, Electrical Sub-Division, NIT Camp Office
6. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office
7. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
8. PS to Registrar for information of the Registrar
9. Assistant Registrar to Director for kind information of the Hon'ble Director

ESTATE SECTION
Diary No. 826
Dated 10/06/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekkd.knl.cpwd@nic.in

संख्याः- 20(NIT)/यो.शा./क.मं/2022/1722 दिनांक 10.06.2022

10.06.2022

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

Fac Inc (E&C), Fac Inc (E&M&T)
13-06-22
Rawat JE(E)

विषय : **Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra, Haryana.**

संदर्भ : आपका पत्र सं० CC/3506/234/1240 दिनांक 13.04.2022

महोदय,

उपरोक्त कार्य का विस्तृत प्रारम्भिक अनुमान जिसकी राशि 40,43,300/- रुपये है, दो प्रतियों में संलग्न किया जाता हैं। इस अनुमान की आवश्यकता को अनुमान की हिस्ट्री शीट मे वार्णित किया गया है।

आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें एवं कार्य की स्वीकृति करते समय "लेखा शीर्ष" (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न : उपरोक्त दो प्रतियों में।

भवदीय,
Prashant 8/6/22
(प्रशांत अग्रवाल)
कार्यपालक अभियन्ता
करनाल मण्डल, के.लो.नि.वि।

प्रतिलिपि :-

1. सहायक अभियंता, कुरुक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को उनके पत्र सं० 24(8)/A.E/K.S.D/2022/137 दिनांक 31.05.2022 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KD**
Branch: B & R **Sub-Division: KSD**

NAME OF WORK: **Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 40,43,300/-** i/c contingencies.

History: This preliminary cum detailed estimate amounting to **Rs. 40,43,300/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining A/A & E/S by the competent authority. The requisition for the above work has been received from **Prof. I/C (Estate & Construction), NIT, Kurukshetra** vide letter No. CC/3506/234/1240 Dated 13.04.2022. Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **The Provision for sign boards with 2mm thick alumnium sheet with retro reflective sheeting in single language subject matter, directions, signs, symbols for the following has been made in this estimate.**

1. Rectangular boards 50 Nos. for place identification of buildings, both side subject matter with SS frame.
2. Rectangular boards 60 Nos. for direction and place identification on road, single side subject matter with MS frame of MS tube, angle irons
3. Rectangular boards 40 Nos. for place identification of Residential Quarters, both side subject matter with MS frame of MS tube.
4. Circular boards 50 Nos. for Speed limit, No Parking, Parking, Pedestrian only & Misc. boards, single side subject matter with MS frame of MS tube & sheet support angle irons frame.
5. Triangular boards 30 Nos. for Speed breaker, Two way Traffic & Misc. boards, single side subject matter with MS frame of MS tube & sheet support angle irons frame.
6. Cement concrete anchor blocks for fixing arrangement of boards.
7. Painting of MS tube frame in black & white pattern

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction Indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
2. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration

proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.

4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Based on **DSR – 2021.**

Method: Through contract after call of tender.

Time: **120 Days (After receipt of A/A & E/S)**

Cost: **Rs. 40,43,300/-**

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

8/6/22
Sr. D/Man
CPWD, Karnal

Prashant 8/6/22
Executive Engineer
CPWD, Karnal

ORIGINAL ESTIMATE

Name of Work:- Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra, Haryana

S.No.	DSR 2021	Description	Qty.	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	2.3	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
1.1.1	2.30.1	All kinds of soil	380	each	89.90	34162.00
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	13.68	cum	6050.65	82773.00
2.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
2.2.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	46.17	cum	9375.20	432853.00
2.3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
2.3.1	4.3.1	Foundations, footings, bases for columns	410.4	sqm	307.95	126383.00
3	10	STEEL WORK				
3.1	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1430.6	kg	111.95	160156.00
3.2	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
3.2.1	10.16.1	Hot finished welded type tubes	5157.42	kg	154.90	798884.00

S.No.	DSR 2021	Description - 302 -	Qty.	Unit	Rate	Amount
3.3	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, I/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	1743	kg	612.25	1067152.00
4	13	FINISHING				
4.1	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
4.1.1	13.61.1	Two or more coats on new work	311.14	sqm	131.45	40899.00
5	15	DISMANTLING AND DEMOLISHING				
5.1	15.6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	42.75	cum	219.35	9377.00
6.1	MR	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of SS/M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid sepearately. Mandatory/ Regulatory circular sign boards of	14.14	Sqm	6008.62	84962.00

S.No.	DSR 2021	Description - 303 -	Qty.	Unit	Rate	Amount
6.2	MR	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid sepearately. Cautionary /warning sign boards of equilateral triangular shape having each of required size.	4.68	Sqm	6703.57	31373.00
6.3	MR	Providing Retro-reflective Informatory sign board such as place identification, direction and place identification board of required size made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro - reflective sheeting as approved by Engineer-in-charge . Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to S.S. tube/M.S. frame of angle iron with adequate anti-theft arrangement . Back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel, i.e. back support frame for fixing sheet, structural arrangement for fixing the board to be paid sepearately. Informatory sign boards of rectangular shape of required size	145.8	Sqm	5706.43	831997.00
		Total				**3700971.00**
		Add Contingencies @	5.00%			185049.00
		Add EPF & ESI on @	4.25%			157291.00
		Grand Total				**4043311.00**
		Say Rs.				**40,43,300/-**
		8/6/2022	Prashant 8/6/22			
		Sr. Draughts Man CPWD, Karnal	Executive Engineer - Karnal CPWD, Karnal			

EAC minutes of meeting held on 20.7.

6. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD vide letter no. 20(NIT)PS/CD/2022/1323 dated 08.06.2022 regarding construction of a Fountain in the Guest House.**

The cost estimate of Rs. 8,81,900/- received from Executive Engineer (Civil), CPWD for the above said work was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the cost estimate submitted by CPWD may be approved by the competent authority. After approval of competent authority, the A/A & E/S may be conveyed to CPWD for its execution.

7. **To discuss the cost estimate received from Executive Engineer (Civil), CPWD, Karnal vide letter no.: 20(NIT)/PS/CD/2022/1322 dated 08.06.2022 regarding Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the institute campus.**

The cost estimate of Rs. 40,43,300/- received from Executive Engineer (Civil), CPWD, Karnal for the above said work was discussed in the meeting of Estate Affairs Committee. The EAC resolved that a detailed list of sign boards alongwith size, colour and locations may be obtained form CPWD so that further course of action may be decided.

8. **To discuss a request received from the Chief Warden (Boys) vide dated 10.06.2022 regarding Supply of fresh water in Hostel No. 11.**

The request received from Chief Warden (Boys) was put up before the EAC meeting. The EAC was apprised that similar type of water supply is available in the multistoreyed buildings i.e. Mega Boys Hostel (1000 capacity), Kalpana Chawla Girls Hostel and CT/BT type houses, so EAC recommended that the request was not acceded to.

9. **To discuss the report on campus site visit by the Hon'ble Director on dated 27.06.2022.**

i **Development of parking area at various locations in the institute i.e. area between main road and sports ground towards south side by removing kerb stone before the entrance of gate and providing ramp, cutting of grass & pruning of trees etc.**

The EAC was apprised that the work of removing of kerb stone before the entrance of gate, cutting of grass & pruning of trees etc. has already been executed. The provision of providing ramp has already been taken in the cost estimate for the work of repair maintenance of existing foot path along the various road in the Institute.

ii **Provision of Cycle Parking adjacent to existing parking near main gate along kirmach roadon west side. The tractor implements may be shifted from the existing parking. The existing structure near tube well towards north side of main road seems in bad condition and the same may be demolished. Subsequently, the provision of fountain may be made on the same place.**

The EAC was apprised that the tractor implements have been shifted from the existing parking. It was resolved that the existing structure near tube well towards north side of main road be demolished & the cost estimate for the provision of fountain may be obtained form the CPWD. Further it was decided that the provision of cycle parking adjacent to existing parking near main gate along Kirmach road on west side needs to be explored.

iii & iv **Provision of parking for two wheelers from the chowk near Hostel No. 11 to parking area near MBA/MCA Block along the footpath may be made by removing the kerb stone exist along the road.**

Provision of parking for four wheelers along the main storm water drain towards south side (Land adjacent to Hostel No.-10) may be made and also make provision of two access across the main storm water drain.

The EAC was apprised regarding the points no. iii & iv. The EAC resolved & decided that implementation plan will be worked out in consultation with the competent authority of the Institute.

Contd... P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No. CC/3506/519 | 3671

Dated 31.08.2022

To

The Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus - regarding (EAC meeting Item No.-7 dated 20.07.2022)

Reference: Vide your office letter no. 20(NIT)/PS/CD/2022/1322 dated 08.06.2022

In continuation to letter under reference regarding Informatory/ Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus, it is intimated that a detailed list of sign boards alongwith size, colour and locations may please be submitted to the Institute at the earliest so that further course of action may be taken accordingly.

This is for information and further necessary action please.

31.08.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)

भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कुरूक्षेत्र उप–मण्डल, कुरूक्षेत्र

संख्याः– 24(NIT)/स.ई./कु.उ.म./2022/216 दिनांक 29/09/2022

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरूक्षेत्र.

ESTATE SECTION
Diary No. 1535
Dated 29/9/22

विषयः **Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus – regarding (EAC meeting Item no. 7 dated 20.07.2022).**

संदर्भः– Dean Estate office letter no. CC/3506/519/3671 dated 31.08.2022.

R/sir,

Kindly refer your above cited letter addressed to Executive Engineer, Karnal Division. The information sought vide above referred letter is as below:-

1. Copy of detail of measurement is enclosed in which size of boards, locations for different type of boards is mentioned. The place identification boards for all academic buildings and residential buildings, other boards such as regulatory, mandatory, cautionary, direction boards are proposed for internal roads including 08 major inter sections.
2. The size, colour and shape for different type of boards will be designed as per code IRC67-2012 (Third revision).

Encl.:- Copy of Details of Measurement.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को पत्र सख्या 20(142)/यो.शा./2066 दिनाकं 09.09.2022 के संबंध में सुचनार्थ हेतु।

सहायक अभियन्ता

DETAILS OF MEASUREMENTS

Estimate Items

Division KARNAL
Sub-Division KURUKSHETRA

Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus at NIT Kurukshetra.

		Description	Number	Length	Breadth	Height	Weight	Qty
		2.30 Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.						
		2.30.1 All kinds of soil						
	1	Rectangular place identification board double legged (Buildings)	2	50				100
	2	Direction and place identification board double legged (Roads)	2	60				120
	3	Direction and place identification board double legged (For Resid. Qtr. / Houses)	2	40				80
	4	Circular board single legged	1	50				50
	5	Triangular board	1	30				30
		Total						380
		Total (Rounded)						380 each
2.1.1	4.1.10	4.1 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1.10 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).						
	1	For all sign boards	1	380	0.6	0.6	0.1	13.68
		Total						13.68
		Total (Rounded)						13.68 cum
2.2.1	4.2.3	4.2 Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 4.2.3 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)						
	1	For all sign boards	1	380	0.45	0.45	0.6	46.17
		Total						46.17
		Total (Rounded)						46.17 cum
2.3.1	4.3.1	4.3 Centering and shuttering including strutting, propping etc. and removal of form work for : 4.3.1 Foundations, footings, bases for columns						
	1	For all sign boards	4	380	0.45	0.6		410.4
		Total						410.4
		Total (Rounded)						410.4 sqm
3.1	10.2	10.2 Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.						
	1	Place identification and Direction boards (MS Angle 35x35x5) For Back Support Frame for sheet Top & Bottom	2	60	0.9		2.6	280.8
	2	Vertical	2	60	1.2		2.6	374.4
	3	Vertical Middle	1	60	0.9		2.6	140.4

	Description	Number	Length	Breadth	Height	Weight	Qty
	frame for sheet MS Angle	4	50	0.5		1.4	140
		3	30	0.5		1.4	63
	1x5 for fixing sheet frame with main	4	60	0.1		4.5	108
		2	80	0.1		4.5	72
	fixing at base in concrete	1	280	0.2		4.5	252
	Total						1430.6
	Total (Rounded)						1430.6 kg
	10.16.1	10.16 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. 10.16.1 Hot finished welded type tubes					
1	MS Tube 50x50 (Main frame for place identification and direction board)	2	60	3.75		5.45	2452.5
2	For Resid.	2	40	1.8		5.45	784.8
3	Circular board	1	50	3.75		5.45	1021.88
4	Triangular board	1	30	3.75		5.45	613.12
5	MS Tube 50x25	2	40	0.4		3.24	103.68
6		2	40	0.7		3.24	181.44
	Total						5157.42
	Total (Rounded)						5157.42 kg
3.3	10.28	10.28 Providing and fixing stainless steel (Grade 304) railing made of hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making carvature (whatever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).						
1	Place identification board for buildings (50mm SS circular tube) wall thickness 3.50mm	2	50	2.1		4.9	1029
2	40mm SS Tube	2	50	0.7		3.35	234.5
3		2	50	1		3.35	335
4	SS tube 25x12	2	50	0.6		0.85	51
5		2	50	0.9		0.85	76.5
6	Base for embedding in concrete	2	50	0.2		0.85	17
	Total						1743
	Total (Rounded)						1743 kg
4.1.1	13.61.1	13.61 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : 13.61.1 Two or more coats on new work					
1	Rectangular place identification board double legged (Buildings)	2	50	3.75	0.2		75
2	Direction and place identification board double legged (Roads)	2	60	3.75	0.2		90
3	Direction and place identification board double legged (For Resid. Qtr. / Houses)	2	40	1.8	0.2		28.8
4	Circular board single legged	1	50	3.75	0.2		37.5
5	Triangular board	1	30	3.75	0.2		22.5
6	Angle 35x35x5 back frame for big boards	1	306	0.14			42.84
7	Angle 25x25x4	1	145	0.1			

/Entrance Sign Board

		Description	Number	Length	Breadth	Height	Weight	Qty
		(Contd)						311.14
		15.60 Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-incharge, beyond 50 m initial lead, for all leads including all lifts involved.						311.14 Sqm
		Total excavation						
	2	less 1:5:10	1	380	0.6	0.6	0.75	102.6
	3	less 1:2:4	-1	380	0.6	0.6	0.1	-13.68
		Total	-1	380	0.45	0.45	0.6	-46.17
		Total (Rounded)						42.75
6.1	50.97	50.97 Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC : 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of SS/M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflective sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid separately.						42.75 Sqm
		Mandatory/ Regulatory circular sign boards of required dia.						
	1	Circular board Speed limit 3.14/4	16	0.785	0.6	0.6		4.52
	2	No parking	10	0.785	0.6	0.6		2.83
	3	Parking	10	0.785	0.6	0.6		2.83
	4	Pedestrin only	10	0.785	0.6	0.6		2.83
	5	Misc.	4	0.785	0.6	0.6		1.13
		Total						14.14
		Total (Rounded)						14.14 Sqm
6.2	50.98	50.98 Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC : 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflective sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid separately.						
		Cautionary /warning sign boards of equilateral triangular shape having each of required size.						
	1	Triangular Speed breaker	16	0.5	0.6	0.52		2.5
	2	Two way traffic	10	0.5	0.6	0.52		1.56
	3	Misc.	4	0.5	0.6	0.52		0.62
		Total						4.68
		Total (Rounded)						4.68 Sqm

	Description	Number	Length	Breadth	Height	Weight	Qty
	5099 Providing retro-reflective Informatory sign board such as place identification, direction and place identification board of required size made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro -reflective sheeting as approved by Engineer-in-charge . Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to S.S. tube/M.S. frame of angle iron with adequate anti-theft arrangement . Back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel, i.e. back support frame for fixing sheet, structural arrangement for fixing the board to be paid seperately. Informatory sign boards of rectangular shape of required size.						
1	Rectangular Place identification board for building both side	2	50	0.6	0.9		54
2	Direction and place identification board single face matter for road	1	60	0.9	1.2		64.8
3	Direction and place identification board double face matter Resid. Qtr.	2	40	0.45	0.75		27
	Total						145.8
	Total (Rounded)						145.8 Sqm

Junior Engineer Assistant Engineer Executive Engineer

EAC Minutes of meeting held on 24.01.2023

5. **To discuss the request dated 22.12.2022 received form the Chief Warden (Hostels).**

A request received from Chief Warden (Hostels) regarding waiting hall for girls hostels visitors, specially family member of students and temporary parking for visitors was discussed in the EAC meeting. The EAC was apprised that a requisition has already been sent to CPWD to provide the cost estimate for the provision of waiting room with the provision of washrooms for ladies & gentlemen for visitors/parents towards inside boundary of Bhagirathi Bhawan facing the main road near existing barrier along the boundary well. Also, the location communicated for the parking is to be developed for parking of four wheelers as well as parking for two wheelers (Bicycles).

6. **To discuss a letter received from the Assistant Engineer (Civil) vide no. 24(NIT)/AE/KSD/2022/216 dated 29.09.2022 regarding Informatory/ Regulatory/ Mandatory sign boards for roads and place identification boards for buildings at various locations in the Institute campus.**

The matter regarding Informatory/Regulatory/ Mandatory sign boards for roads and place identification boards for buildings at various locations in the Institute campus was discussed in the Estate Affairs Committee. The EAC resolved that before proceeding further, the Estate Section may scrutinize the cost estimate submitted by CPWD for the above said work, the same be discussed in the ensuing meeting of Estate Affairs Committee.

7. **Construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture hall complex 12 nos. (Vertical extension) (Civil + Electrical Works) at NITK.**

The matter regarding Construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture hall complex 12 nos. (Vertical extension) (Civil + Electrical Works) was discussed in the Estate Affairs Committee. In this regard, the committee apprised that the data available in the Estate Section was sent to Faculty I/C (E&C). After analysis of the data the Faculty I/C (E&C) commented that the existing structure has been designed with adequate provision of one additional floor. Further, the Expert member of EAC being from structural specialization is also of the view that additional floor may be constructed on the existing G+1 Lecture Hall. The EAC resolved that the same may be conveyed to CPWD for vertical extension for existing (G+1) Lecture Hall Complex 12 nos.

8. Any other item:

i) **To discuss a request received on 28.12.2022 from the Faculty I/C (Stores) regarding Pantry Room for 2nd floor of the New Administrative Building.**

The request received on 28.12.2022 from the Faculty I/C (Stores) regarding Pantry room for 2nd floor of the New Administrative Building was discussed in the Estate Affairs Committee. The EAC resolved that the feasibility as per site condition may be explored.

Contd....P/3

	for these works even after a period of three years, may be dropped. If the items are necessary, the same may again be put up before the B&WC with revised cost estimate. In the light of the above decision the EAC resolved and recommended that revised cost estimate may be put in coming B&WC after getting from CPWD.		
5 EAC Jan. 2023	**To discuss the request dated 22.12.2022 received form the Chief Warden (Hostels).** A request received from Chief Warden (Hostels) regarding waiting hall for girls hostels visitors, specially family member of students and temporary parking for visitors was discussed in the EAC meeting. The EAC was apprised that a requisition has already been sent to CPWD to provide the cost estimate for the provision of waiting room with the provision of washrooms for ladies & gentlemen for visitors/parents towards inside boundary of Bhagirathi Bhawan facing the main road near existing barrier along the boundary wall. Also, the location communicated for the parking is to be developed for parking of four wheelers as well as parking for two wheelers (Bicycles).	The work is in process The cost estimate for washrooms for ladies & gents and waiting room for various/parents towards inside boundary wall of Bhagirathi Bhawan has been received from CPWD. The cost estimate for parking of four wheelers as well as parking for two wheelers (Bicycles) has been prepared by Estate Section.	This work was discussed the main agenda Ite No.-16. This work was discussed i the main agenda Iter No.-15.
6 EAC Jan. 2023	**To discuss a letter received from the Assistant Engineer (Civil) vide no. 24(NIT)/AE/KSD/2022/216 dated 29.09.2022 regarding Informatory/ Regulatory/ Mandatory sign boards for roads and place identification boards for buildings at various locations in the Institute campus.** The matter regarding Informatory/Regulatory/ Mandatory sign boards for roads and place identification boards for buildings at various locations in the Institute campus was discussed in the Estate Affairs Committee. The EAC resolved that before proceeding further,	The cost estimate is under scrutiny.	To expedite the work.

	the Estate Section may scrutinize the cost estimate submitted by CPWD for the above said work, the same be discussed in the ensuing meeting of Estate Affairs Committee.		
4 EAC Dec.2022 & 7 EAC Jan. 2023	**Construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture hall complex 12 nos. (Vertical extension) (Civil + Electrical Works) at NITK.** The matter regarding Construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture hall complex 12 nos. (Vertical extension) (Civil + Electrical Works) was discussed in the Estate Affairs Committee. In this regard, the committee apprised that the data available in the Estate Section was sent to Faculty I/C (E&C). After analysis of the data the Faculty I/C (E&C) commented that the existing structure has been designed with adequate provision of one additional floor. Further, the Expert member of EAC being from structural specialization is also of the view that additional floor may be constructed on the existing G+1 Lecture Hall. The EAC resolved that the same may be conveyed to CPWD for vertical extension for existing (G+1) Lecture Hall Complex 12 nos.	The tender has been floated by CPWD and the work will be allotted shortly to the agency for execution.	The work has been assigned to the contractor by CPWD. The CPWD may be requested to expedite the work.
8 (i) EAC Jan.2023	**Any other item:** **To discuss a request received on 28.12.2022 from the Faculty I/C (Stores) regarding Pantry Room for 2nd floor of the New Administrative Building.** The request received on 28.12.2022 from the Faculty I/C (Stores) regarding Pantry room for 2nd floor of the New Administrative Building was discussed in the Estate Affairs Committee. The EAC resolved that the feasibility as per site condition may be explored.	The work is in process. A letter conveyed to Faculty I/C (E&C) & A.E. (Civil) vide no. CC/3506/268 dated 27.03.2023	Estate Section may check the feasibility and prepare the cost estimate for the provision of drains & water supply line and other fixtures for the provision of Pantry Room for 2nd floor of the New Administrative Building.
8(iii) EAC Jan.2023	To discuss a request received from Security Officer vide no. SO/09/2021/64 dated	The work is in process.	This work was discussed in the main agenda Item No.-17.

सम्पदा अनुभाग
ESTATE SECTION
राष्ट्रीय प्रौद्योगिकी संस्थान कुरूक्षेत्र
NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

Subject:- Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute campus-regarding.

The cost estimate for the work as cited in the subject was submitted by the CPWD vide letter No.20(NIT/यो.शा/क.म./2022/322 dated 08.06.2022. The estimate was put up before the EAC in its meeting held on 24.01.2023. The EAC resolved that before proceeding further the Estate Section may scrutinised the cost estimate submitted by the CPWD. As discussed and decided during the meeting held with Dean (P&D), Associate Dean (P&D) for E&C in the presence of official of CPWD and NIT Kurukshetra the estimate has been revised as per requirement. Further, the amount of Rs. 2200700/- has been worked out for the revised requirement instead of Rs.4043300/- cost estimate submitted by CPWD. The same may be putup before B&WC in its ensuing meeting.

Submitted for kind perusal please.

Faculty-I/C (E&C) Assistant Engineer (Civil) SG-I Assistant Engineer (Civil)

Associate Dean (P&D) for E&C

Name of Work:-Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings and various different locations in the isntitute campus at NIT Kurukshetra, Haryana

Sr.No.	SR 2021	Description	Qty.	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	2.30	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
1.1.1	2.30.1	All kinds of soil	220	each	89.90	19778.0
2	4	CONCRETE WORK				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
2.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	7.92	cum	6050.65	47921.0
2.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				0.0
2.2.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	26.73	cum	9375.20	250599.0
2.3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for				0.0
2.3.1	4.3.1	Foundations, footings, bases for columns	237.6	sqm	307.95	73169.0
3	10	STEEL WORK				0.0
3.1	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	974.6	Kg	111.95	109106.0
3.2	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				0.00
3.2.1	10.16.1	Hot finished welded type tubes	3370.4	Kg	154.90	522070.00
3.3	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	697.2	Kg	612.25	426861.00
4	13	FINISHING				0.00
4.1	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				0.00
4.1.1	13.61.1	Two or more coats on new work	185.72	sqm	131.45	24413.00
5	15	DISMANTLING AND DEMOLISHING				0.00
5.1	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	24.75	cum	219.35	5429.00

6.1	MR	Manufacturing,supplying and fixing retro reflective sign boards made upto of 2mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type- IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bilgual), symbols and borders etc. as per IRC; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @20 cm c/c to back support frame of SS/M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. (The item includels the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangment with back support frame). The cost of MS/SS structural steel to be paid sepearately. Mandatory/Regulatory circular sign boards of required size	7.35	sqm	6008.62	44163.00
6.2	MR	Manufacturing, supplying and fixing retro reflective sign boards made up of 2mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type -IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @20 cm c/c to back support frame of M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid sepearately. Cautionary/ warning sign boards of equilateral triangular shape having each of required size	3.12	sqm	6703.57	20915.00
6.3	MR	Providing Retro-reflective Informatory sign board such as place identification, direction and place identification board of required size made out of 2mm thick aluminium sheet, face to be fully covered with high intensity encpsulated lens type retro-reflective sheeting as approved by Engineer-in-charge. Letter, symbols, borders etc. will be as per IRC-67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to S.S. tube/ M.S. frame of angle iron with adequate anti-theft arrangement. Back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge. (The item includes the cost of aluminm sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangment with back support frame). for fixing sheet, structural steel, i.e. back support frame for fixing sheet, structural arrangment for fixing the board to be paid sepearately. Informatory sign boards of rectangular	82.35	sqm	5706.43	469925.00
		Total				2014349.00
		Add Contigencies @	5.00%			100717.00
		Add EPF &ESI on @	4.25%			85610.00
		Grand Total				2200676.00
		Say Rs.				2200700

Detail of Measurement

Sr.No.	DSR 2021	Description	Number	Length	Breadth	Height	Weight	Qty.
1.1	2	EARTH WORK						
	2.30	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.						
	2.30.1	All kinds of soil						
1		Rectangular place identification board double legged (Buildings)	2	20				
2		Direction and place identification board double legged (Roads)	2	40				
3		Direction and place identification board double legged (For Resid. Qtr./Houses)	2	26				
4		Circular board single legged	1	26				
5		Triangular board	1	20				
		Total						
		Total (Rounded)						21
2.1	4	CONCRETE WORK						220 Each
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level						
	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)						
1		For all sign boards						
			220	0.60	0.6	0.1		7.9
		Total						
		Total (Rounded)						7.9
2.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:						7.92 Cum
	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)						
1		For all sign boards						
			220	0.45	0.45	0.6		26.7
		Total						
		Total (Rounded)						26.7
2.3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for						26.73 Cum
	4.3.1	Foundations, footings, bases for columns						
1		For all sign boards						
			4	220	0.45	0.6		237.6
		Total						
		Total (Rounded)						237.6
3.1	10	STEEL WORK						237.6 Sqm
	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.						
1		Place identification and Direction boards(MS Angle 35x35x5) for back support frame for sheet top and bottom	2	40	0.90		2.6	187.2
2		Vertical	2	40	1.20		2.6	249.6
3		Vertical Middle	1	40	0.90		2.6	93.6
4		Circular Board back frame for MS Sheet . (MS Angle 25x25x4)	4	26	0.50		1.4	72.8
5		Triangular board	3	20	0.50		1.4	42
6		Angle 50x50x6 for fixing sheet frame with main member	4	40	0.10		4.5	72
7		Angle 50x50x6 for fixing sheet frame with main member	2	80	0.10		4.5	72
8		Ffor fixing at base in concerete	1	206	0.20		4.5	185.4
		Total						974.6
		Total (Rounded)						974.6 Kg.
3.2	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.						
	10.16.1	Hot finished welded type tubes						
1		MS Tube 50 x 50 (Main frame for place identification and direction board)	2	40	3.75		5.45	1635.00
2		For Residence	2	25	1.80		5.45	510.12

	3	Circular Board	1	26	3.75		5.45	531.3
	4	Tringular Board	1	20	3.75		5.45	408.
	5	Tube 50 x 25	2	40	0.40		3.24	103.
	6	MS Tube 50 x 25	2	40	0.70		3.24	181.
		Total						3370.
		Total (Rounded)						3370.37 K
3.3	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).						
	1	Place identification board for buildings (50mm SS circular tube) wall thickness	2	20	2.10		4.9	411
	2	40mm SS Tube	2	20	0.70		3.35	93
	3	40mm SS Tube	2	20	1.00		3.35	13
	4	SS Tube 25x12	2	20	0.60		0.85	20
	5	SS Tube 25x12	2	20	0.90		0.85	30
	6	Base for embedding in concrete	2	20	0.20		0.85	6
		Total						697.
		Total (Rounded)						697.2 Kg.
4.1	13	FINISHING						
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :						
	13.61.1	Two or more coats on new work						
	1	Rectangular place identification board double legged (Buildings)	2	20	3.75	0.2		3
	2	Direction and place identification board double legged (Roads)	2	40	3.75	0.2		6
	3	Direction and place identification board double legged (For Resid. Qtr./Houses)	2	26	1.80	0.2		18.7
	4	Circular board single legged	1	26	3.75	0.2		19.
	5	Triangular board	1	20	3.75	0.2		1
	6	Angle 35x35x5 back frame for big boards	1	200	0.14			2.
	7	Angle 25x25x4	1	145	0.10			14.
		Total						165.7
		Total (Rounded)						165.72 Sqm
5.1	15	DISMANTLING AND DEMOLISHING						
	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.						
	1	Total Excavation	220	0.60	0.6	0.75		59.4
	2	less 1:5:10	-220	0.6	0.6	0.1		-7.92
	3	Less 1:2:4	-220	0.45	0.45	0.6		-26.73
		Total						24.75
		Total (Rounded)						24.75 Cum
6.1	MR	Manufacturing,supplying and fixing retro reflective sign boards made upto of 2mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type- IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bilgual), symbols and borders etc. as per IRC; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @20 cm c/c to back support frame of SS/M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and inlcluding all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. (The item includels the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangment with back support frame). The cost of MS/SS structural steel to be paid sepearately. Mandatory/Regulatory circular sign boards of required dia.						

1		Circular board Speed limit 3.14/4	16	0.785	0.6	0.6		4.
2		Parking	10	0.785	0.6	0.6		2.
		Total						7.
		Total (Rounded)						7.35 Sqm
7.1	MR	Manufacturing, supplying and fixing retro reflective sign boards made up of 2mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type -IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @20 cm c/c to back support frame of M.S. angle iron with theft resistant measures. Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. (The item includes the cost of aluminium sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangement with back support frame). The cost of MS/SS structural steel to be paid sepearately. Cautionary/ warning sign boards of equilateral triangular shape having each of required size.						
1		Tringular Speed Breaker	16	0.5	0.6	0.52		2.5
2		Misc.	4	0.5	0.6	0.52		0.6
		Total						3.1
		Total (Rounded)						3.12 Sqm.
8.1	MR	Providing Retro-reflective Informatory sign board such as place identification, direction and place identification board of required size made out of 2mm thick aluminium sheet, face to be fully covered with high intensity encpsulated lens type retro-reflective sheeting as approved by Engineer-in-charge. Letter, symbols, borders etc. will be as per IRC-67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to S.S. tube/ M.S. frame of angle iron with adequate anti-theft arrangement. Back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge. (The item includes the cost of aluminm sheet, retroreflactive sheet use for subject matter, numerals, signs and fixing arrangment with back support frame). for fixing sheet, structural steel, i.e. back support frame for fixing sheet, structural arrangment for fixing the board to be paid sepearately. informatory sign boards of rectangular shpae of required size.						
		Rectangular Place identification board for building both side				0		
		Direction and place identification board single face matter for road	2	20	0.6	0.9		21.60
		Direction and place identification board double face matter Resid. Ctr.	1	40	0.9	1.2		43.20
		Total	2	26	0.45	0.75		17.55
		Total (Rounded)						82.35
								82.35 Sqm.

Subject: Minutes of the emergent meeting of Estate Affairs Committee held on 06.10.2023 at 03:00 PM onwards in the office of the Dean (E&C) & Chairman (EAC) at NIT, Kurukshetra.

The emergent meeting of Estate Affairs Committee was held on 06.10.2023 (Friday) at 03:00 PM onwards in the office of the Dean (E&C) & Chairman (EAC) to discuss various agenda items.

The following were present:

1.	Prof. V.P. Singh, Dean (Estate & Construction)	Chairman
2.	Prof. Praveen Aggarwal, Assoc. Dean P&D for (E&C)	Member
3.	Prof. Pratibha Aggarwal, Prof. Civil Engg. Deptt.	Member
4.	Dr. Kiran Kumar Jaladi, Faculty I/C (EM&T)	Member
5.	Dr. Kapil, Faculty I/C (Sanitation & Cleanliness)	Member
6.	Dr. Rajneesh Faculty I/C (Horticulture & Landscaping)	Member
7.	Er. S.N. Kaushik, A.E. (Civil) SG-I	Member Convener

Dr. H.D. Chalak, Faculty I/C (E & C), could not attend the meeting.
Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present for the meeting.

The Estate Affair Committee deliberated on agenda items recommends as follows:

1. **To discuss regarding the Preliminary cum Detailed Cost Estimate for Providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute Campus at NIT Kurukshetra.**

In this regard, it is apprised to the committee members that the Preliminary cum Detailed Cost Estimate of Rs.40,43,300/- received from Executive Engineer (Civil), CPWD, Karnal vide no. 20(NIT-KKR)/PS/CD/2022/1322 dated 08.06.2022 for Providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute Campus at NIT Kurukshetra. The same was put up before the EAC meeting held on 20.07.2022 vide item no.-7. The EAC deliberated on the matter and resolved that a detailed list of sign boards alongwith size, colour and locations may be obtained from CPWD so that further course of acton may be decided. In the light of the above decision, a request vide letter no. CC/3506/519/3671 dated 31.08.2022 was sent to Executive Engineer (Civil), CPWD, Karnal.

In response to the above, Assistant Engineer (Civil), Sub-Division, CPWD communicated a letter vide no. 24(NIT/AE/KSD/2022/216 dated 29.09.2022 alongwith a copy of detailed list of sign boards alongwith size colour and locations.
After receipt of details from CPWD the same was putup before the EAC meeting held on 24.01.2023 vide item no. 6. The EAC discussed and resolved that before proceeding further, the Estate Section may scrutinize the cost estimate submitted by CPWD for the above said work, the same be discussed in the ensuing meeting of EAC.

Accordingly, the Preliminary cum Detailed Cost Estimate of Rs. 40,43,300/- submitted by CPWD for the work of providing Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute Campus has been scrutinized by the Estate Section based on details received from CPWD and as per actual site requirement by reducing the quantities of Informatory/ Regulatory/Mandatory sign boards. After scrutinizing the cost estimate has been worked out for an amounting to Rs. 22,00,700/- for the above said work. The same was put up before the EAC in its meeting held on 06.10.2023.

In the light of the above, the EAC deliberated on the cost estimate of Rs. 22,00,700/- scrutinized by Estate Section and resolved that the cost estimate of Rs. 22,00,700/- for the wok of providing Informatory/ Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute Campus may be put up in the ensuing meeting of B&WC for approval.

Contd....P/2

BWC 29.16 To consider and approve the preliminary cost estimate for the provision of cycle track & footpath with covering, piped music & lighting etc. from main gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk at NIT Kurukshetra.

A letter was received from the Registrar vide no. R/675 dated 17.02.2022 regarding provision of cycle track on the both sides of the roads in the Campus as well as to provide pipe music system and other requests at the campus. The matter was put up before the Estate Affairs Committee meeting held on 16.03.2022 vide item no.-5 (pipe music system) & item No. 13 (cycle track). The Estate Affairs Committee resolved that installation of piped music system may be explored at the following areas with cooperation of the CPWD: 1) Girls Hostel to Academic area, 2) Boys Hostel to LHC, 3) Boys Hostel to Academic area on either sides of OAT and also resolved that possibility of space required for cycle path parallel to existing roads may be explored from CPWD by sending a request. In this regard a request for the preliminary cost estimate for pipe music system was communicated to CPWD vide letter No. CC/3506/2408/1233 dated 12.04.2022. Another request letter was sent to Executive Engineer (Civil), CPWD, Karnal vide letter no. CC/3506/246/1246 dated 12/13.04.2022 to explore the availability of adequate space for providing a cycle path parallel to the existing roads.

In response to letter No. CC/3506/2408/1233 dated 12.04.2022, the preliminary cost estimate of Rs. 1,38,16,692/- of pipe music system was received from CPWD vide letter No. 20(7)/KCD/2022/985 dated 24.05.2022. After getting the necessary approval from the competent authority of the institute the estimate was put up in the Building & Works Committee vide item No. 28.04 held on 24.08.2022.

In reference to above said letter Assistant Engineer (Civil), CPWD, intimated vide letter no. 24(NIT)/AE/KSD/2022/101 dated 05.05.2022 that visual inspection along the roads have been done and observed that there is large tree plantation all along the roads on both sides as well as open drain is also running parallel to the road. So, proposed a joint inspection to explore the possibility of cycle path parallel to existing road. The same was put up before the Estate Affairs Committee meeting held on 25.05.2022 vide item no. vide item no. 11 & 16. The Estate

Affairs Committee resolved and recommended that Estate Officials and CPWD officials jointly will explore the possibility of providing cycle path parallel to existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions. The same was conveyed to Executive Engineer (Civil), CPWD, Karnal vide letter no. CC/3506/375/2085 dated 30.06.2022.

After the joint visit, the matter again put up before EAC meeting held on 20.07.2022 and decided that request may be communicated to CPWD for the preliminary cost estimate of provision of cycle track parallel to existing road considering proper illumination of the proposed site. The same was conveyed to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/515/3674 dated 31.08.2022. Copies enclosed as **Appendix 29.16 (i) from pages 324 to 338.**

In this regard, a letter was received from Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 regarding detailed survey of the site. The matter was put up in the EAC meeting held on 06.12.2022 vide item No. 03. The EAC resolved that the cost estimate for cycle track and footpath be obtained from CPWD. In the light of the above a letter was conveyed to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/13/87 dated 06.01.2023 regarding to submit the preliminary cost estimate for the cycle track and footpath. Further, the matter was discussed in the Progress Review Committee meeting held on 12.01.2023 vide item no.-3 and resolved that CPWD & NIT officials may visit the site to explore the feasibility regarding the provision of cycle track, footpath along with the provision of covering, lightening and piped music system etc. as per site condition. Accordingly, joint visit has been done and the following details has been proposed.

(i) To match the entire profile of the area the level of existing footpath from main gate along Kirmich road to Chowk near Hostel No.-4 needs to be raised so the same may be replace/redeveloped with the provision of RCC hume pipes for laying various cables and other utilities.
(ii) Provision of cycle track on the North side of existing footpath from main gate along Kirmich road to Chowk near H-4.
(iii) From Chowk near H-4 to NIT Chowk the existing footpath be replaced by cycle track and footpath be made on south side of existing footpath i.e., along the storm water drain with the provision of RCC hume pipes for laying various cables and other utilities.

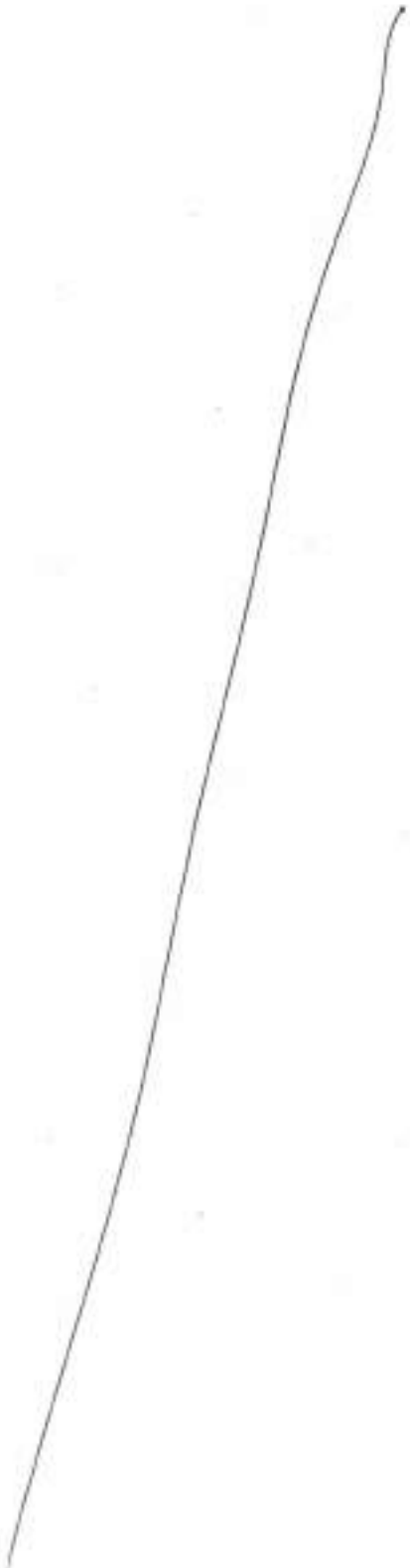
(iv) From Main gate KUK to Girls Hostel, due to site conditions the footpath be made along the road with the provision of RCC hume pipes for laying various cables and other utilities and existing footpath be replaced with cycle track exactly opposite to the proposed in the stretch covered from Kirmich Gate to NIT chowk.
(v) Provision of new footpath along the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk.
(vi) Provision of covering of footpath along with the provision of piped music, lighting etc. from Main Gate along Kirmich Road to NIT Chowk and Main Gate towards KUK to Girls Hostel.

Further, it was apprised during the site visit that the main 11KV HT cable line run underground through the stretch between main road and existing footpath from main gate along kirmich gate to chowk near Hostel No.-4. After detailed deliberations and due to site constraints, it was proposed that the cycle track be constructed over 11 KV HT cable line.

After approval of the competent authority of the Institute a letter was sent to Executive Engineer (Civil) and Executive Engineer (Elect.), CPWD vide no. CC/3614/362/1892 dated 02.05.2023 for submission of the cost estimate for the above said work.

In reference to above letter preliminary cost estimate of Rs. 6,22,03,800/- was received from Superintending Engineer, CPWD, Karnal vide no. 23(NIT-KKR)SE-Karnal/2023/914-H dated 14.09.2023 for the above said work and the same was discussed in the Estate Affair Committee Meeting held on 06.10.2023. After detailed discussion the EAC resolved and recommended that the preliminary cost estimate of Rs. 6,22,03,800/- may be put up in the ensuing meeting of the Building & Works Committee for approval. Copies enclosed as **Appendix 29.16 (ii) from pages 339 to 366.**

The Building & Works Committee may *consider and approve the preliminary cost estimate for an amount of Rs 6,22,03,800/- for the provision of cycle track & footpath with covering, piped music & lighting etc. from main gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk at NIT Kurukshetra.*



Appendix 29.16 (i)

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA – 136119

ESTATE SECTION
Diary No. 226
Dated 18/2/2022

No.R/675 Dated:17.02.2022

A discussion meeting was held on 17.02.2022 with the Hon'ble Director. During the discussion, he has suggested the following initiatives may be taken for the development of the Institute and campus:

1. Installation of IOT based sensor for minimizing the electricity bills.
2. Installation of Solar Panels in the roof of remaining buildings.
3. Informative/Regulatory/Mandatory sign board in various places of the campus.
4. Installation of Piped Music system in the campus (Ref.: NIT, Hamirpur, GGSIP University, New Delhi).
5. Installation of 3D metal logo of the Institute and statue of Lord Krishna in the centre of existing fountains.
6. Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.
7. Construction of Water Harvesting Pits/Rain Water Harvesting system.
8. Construction of a Fountain in the Guest House compound.
9. Construction of open gymnasium in the Guest House compound.
10. Construction of new Lecture Hall Complex (LHC).
11. Construction of a studio.
12. Marking of Cycle path (in yellow color) on the both sides of the roads.
13. To check the working conditions of Solar Geysers installed at the roof or hostels.
14. Space Audit of the buildings and campus.

The above proposals may be placed before the Estate Affairs Committee.

17/02/22
Registrar Incharge

Dean (P & D) 17.02.2022

Prof. i/c. (E&C)

Fac i/c (E&C), Fac i/c (EM&T)

A.E. (C)

33(A)

Subject: Minutes of the meeting of Estate Affairs Committee held on 16.03.2022 at 03:30PM in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 16.03.2022 (Wednesday) at 03:30 PM onward in the office of the Dean (P&D) & Chairman (EAC) to discuss the various issues related to Estate Section.

The following were present:

1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Arun Goel, Prof. I/C (E&C)	Member
3.	Prof. Pratibha Aggarwal, Prof. CED	Member
4.	Dr. H.D Chalak, Faculty I/C (E&C)	Member
5.	Dr. Sandeep Kakran, Faculty I/C (EM&T)	Member
6.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
7.	Er. Ashish Kumar Choudhury, A.E. (Elect.)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.
The following issues were discussed and are resolved as under:

1.	**To discuss regarding Action Taken on previous meeting held on 17.11.2021** The detailed discussion on action taken is enclosed as per Annexure-I
2.	**Installation of IOT based sensor for minimizing the electricity bills** The matter regarding installation of IOT based sensors for minimizing the electricity bills was discussed in the Estate Affairs Committee. The EAC was apprised that the sensors based lights and fans have already been installed in old Administrative Block, CED, MED, EED, AM Block, AB Block MBA/MCA Building Old MBA Building. The details of these items were put before the EAC. Further, it was resolved that the scope of IOT based sensors system for street lights will be explored in the coordination with the CPWD on the main road & Institute Boundary wall where old conventional street lights were installed.
3	**Installation of Solar Panels in the roof of remaining buildings.** The matter regarding installation of solar panels on the roof of remaining buildings was discussed in the Estate Affairs Committee. The EAC was apprised that the 01 MW solar panels system have already been installed on various locations in the Institute. The details of the solar panels and savings of the financial year 2021-22 from the solar plants was also put up before the EAC. Further, it was resolved that the installation of the solar panels in the remaining buildings will be explored after completion of work of extension of these buildings in future.
4	**Informative/Regulatory/Mandatory sign board in various places of the campus.** The matter regarding informative/regulatory/mandatory sign board at various places of the Institute campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that letter requesting CPWD to submit complete details of sign board alongwith cost estimate may be communicated.
5.	**Installation of Piped Music system in the campus (Ref. "NIT Hamirpur, GGSIP University, New Delhi")** The matter regarding installation of piped music system in the campus was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that installation of piped music system at the following locations may be explored with the cooperation of the CPWD: 1. Girls Hostel to Academic area 2. Boys Hostel to LHC 3. Boys Hostel to Academic area on either sides of OAT
6	**Installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.** The matter regarding installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a location & installation of 3 D metal logo may be explored from CPWD by sending a requisition.
7.	**Installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building.** The matter regarding installation of Electronic Glow Sign Board on the top of Golden Jubilee Administrative Building was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the installation of sign board may be explored from CPWD by sending a requisition.
8.	**Construction of Water Harvesting Pits/Rain Water Harvesting system.** The matter regarding construction of Water Harvesting Pits/Rain Water Harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the existing water harvesting systems to be rejuvenated. Further, a request should be communicated to CPWD for making the provision of water harvesting systems along the existing drains in the Campus.

Contd. P/2

EAC Minutes of meeting held on 16.03.2022

9.	**Construction of a Fountain in the Guest House compound.** The matter regarding construction of a Fountain in the Guest House compound was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a fountain may be constructed in the green patch in front of main porch of Guest House. Further, a request may be sent to CPWD for submission of cost estimate in this regard.
10.	**Construction of Open Gymnasium in the Guest House compound** The matter regarding construction of Open Gymnasium in the Guest House compound was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a committee comprising of Deputy Chief Warden, Professor I/C Sports and JE(Civil) be constituted. The committee will work out the number of equipment needed & other details and submit a report. The report of the Committee to be put up in the next EAC meeting.
11.	**Construction of New Lecture Hall Complex (LHC).** The matter regarding construction of New Lecture Hall Complex was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that construction of an Academic building of (G+5) in East Side of existing 12 nos. Lecture Hall Complex with all the facilities of blended Class Rooms etc. for teaching & learning be explored from CPWD by sending a requisition.
12.	**Construction of a Studio.** The matter regarding construction of Studio was discussed in the meeting of Estate Affairs Committee. The visit report dated 03.03.2022 by HOD (CE), Professor I/C (CCN) & others was put up before the EAC. The EAC resolved and recommended that the feasibility of converting Virtual Class Room existing at Ground Floor and unallocated space/room available at 1st floor of the SIEMENS Centre may be explored. Further, it was resolved that Prof. I/C (CCN), Faculty I/C (EM&T), Senior Technical officer (CCN) and Assistant Engineer (Elect.) will make a detailed report regarding the same and tabled in the next EAC.
13.	**Making of cycle path (in yellow color) on the both sides of the roads.** The matter regarding making of cycle path (in yellow color) on the both sides of the roads was discussed in the meeting of Estate Affairs Committee. The EAC was apprised that the width of road is not adequate sufficient on the existing roads. It was resolved that possibility of space required for cycle path parallel to existing roads may be explored ~~be explored~~ from CPWD by sending a requisition.
14.	**To check the working conditions of solar Geysers installed at the roof of hostels.** The matter regarding to check the working conditions of solar Geysers installed at the roof top of the few boys & Girls hostels was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the working condition of solar geysers installed at the rest of hostels be checked & inform to CW (Boys) & CW (Girls) so that appropriate action may be taken to explore the matter and repair the damaged part. Further, the Faculty I/C (EM&T) apprised that the work is in process.
15.	**Space audit of the buildings and campus.** The matter regarding space audit of the buildings and campus was discussed in the meeting of Estate Affairs Committee for an appropriate action in this regard by Chairman (SAC). The EAC resolved and recommended that the matter of space audit of the buildings and campus will be taken on Institute level and matter be referred to the Space Allocation Committee for an appropriate action in this regard by Chairman (SAC).
16.	**Maintenance issues of all the hostels including civil and electric works.** **i) Issues of solar panels, Solar Geysers.** The matter regarding to check the working conditions of solar Geysers installed at the roof of hostels was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that to explore the matter and repair the damaged part. Further, the Faculty I/C (EM&T) apprised that the work is in process.
	ii) White washing, distempering etc. in the various hostels. The work of internal & external finishing of hostels was approved by B&WC in its 27th meeting and same will be put up before the ensuing FC & BOG meeting for approval.
	iii) Issues of parking in Hostel No.11 and sheds in Hostel nos. 9 & 10. The matter regarding issues of parking in Hostel No. 11 and sheds in Hostel nos. 9 & 10. The recommendations of the Estate Affairs Committee has already been conveyed to Chief Warden (Boys) vide letters no. CC/3506/664 dated 16.10.2018, CC/3506/670 dated 18.10.2018 & CC/3506/117 dated 17.02.2020 after approval of the competent authority of the Institute.
	iv) Issue of fresh water supply in the Hostel no. -11. The matter regarding fresh water supply in the Hostel No.11 was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a request letter be communicated to CPWD for submission of cost estimate for the provision of fresh water supply in the Hostel no -11.

Contd. P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/ 240/ 1233

Dated 12.04.2022
13

To

The Executive Engineer (Elect.),
CPWD, 208-D, HSIIDC, Sector-3,
Karnal-132001

Subject: Installation of Piped Music system in the campus (Ref. "NIT Hamirpur, GGSIP University, New Delhi") (EAC Item No.-5)

The matter regarding installation of piped music system in the campus was discussed in the Estate Affairs Committee meeting held on 16.03.2022. The EAC resolved as under:

Installation of piped music system at the following locations may be explored with the cooperation of the CPWD:

1. Girls Hostel to Academic area
2. Boys Hostel to LHC
3. Boys Hostel to Academic area on either sides of OAT

It is therefore, requested to provide the necessary details regarding installation of piped music system for the above said locations.

This is for information and further necessary action please.

12.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. Faculty I/C (EM&T)
2. Dean (P&D)
3. Assistant Engineer (Elect.), CPWD, Electrical Sub-Division, NIT Camp Office
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. PS to Registrar for information of the Registrar
6. Assistant Registrar to Director for kind information of the Hon'ble Director

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/246/1296

Dated 13.04.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Provision of cycle path parallel to the existing roads at NIT Kurukshetra. (EAC Item No.-13)

It is intimated that the competent authority of the Institute has desired to provide a cycle path on either sides of the existing roads.

In this regard, it is therefore, requested to explore the availability of adequate space for providing a cycle path parallel to the existing roads so that an early action may be taken accordingly.

This is for information and further necessary action please.

13.04.2022

Prof. I/C (Estate & Construction)

Copy to:

1. A.E. (Civil)
2. Faculty I/C (E&C)
3. Dean (P&D)
4. Assistant Engineer (Civil), CPWD; Sub-Division, NIT Camp Office
5. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
6. PS to Registrar for information of the Registrar
7. Assistant Registrar to Director for kind information of the Hon'ble Director

ESTATE SECTION
Diary No. 746
Dated 01/06/22

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यपालक अभियंता (वै0)
करनाल वैद्युत मंडल
केन्द्रीय लोक निर्माण विभाग,
208–डी,एच.एस.आई.आई.डी.सी,
सैक्टर–3,करनाल
Email-cpwdkrl@yahoo.in

Executive Engineer (E)
Karnal Elect. Division
Central Public Works Department,
Karnal-132001
Email- eekced.krl.cpwd@nic.in
Ph.0184-2220460

संख्या : 20(7)/क.वै.मं/2022/985

दिनांक 24/5/2022

For IIC (ELECT)
02.06.22
AE(E)/JE(E)

सेवा में,

अधीक्षण अभियन्ता,
के0लो0नि0वि0, एस.सी.ओ. 19–20,
हेफेड आफिस बिल्डिंग, द्वितीय तल, पार्ट–1,
के.लो.नि.वि., करनाल–132001

विषयः **Preliminary Estimate of the work:- Providing piped music system in the NIT Campus, Kurukshetra.**

महोदय,

उपरोक्त कार्य का विद्युत पार्ट का प्रारम्भिक अनुमान रू 1,38,16,692/– बनाकर अग्रिम कार्यवाही हेतू आपके कार्यालय में प्रेषित किया जाता है।

संलग्नः उपरोक्तानुसार।

कार्यपालक अभियन्ता (वै0)
करनाल वैद्युत मंडल,
के0लो0नि0वि0, करनाल।

प्रतिलिपिः

1. प्रोफैसर इन्चार्ज (E&C), नैशनल इंस्टीयूट ऑफ टैक्नोलॉजी, कुरूक्षेत्र–136118 को सूचनार्थ प्रेषित।
2. सहायक अभियन्ता (वै0), कुरूक्षेत्र वैद्युत उपमण्डल, के.लो.नि.वि., कुरूक्षेत्र को सूचनार्थ प्रेषित।

कार्यपालक अभियन्ता (वै0)

BWC 28.3 **To ratify the action taken by the Director and Chairman B&WC of the Institute regarding to revise the cost estimate for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block and (ii) Additional floor over the existing building of MBA/MCA department.**

The Building and Works Committee was informed regarding the action taken by Director and Chairman B&WC of the Institute regarding to revise cost estimate of Rs. 1,80,91,794/- (Rs.1,73,91,200 + Rs. 7,00,594/-) for the provision of furniture items and electrical wiring works related to installation of furniture for the work of (i) Pre-feb construction of 2nd floor over the SCOE Block and (ii) Additional floor over the existing building of MBA/MCA department. The Building & Works Committee ratified the same.

BWC 28.4 **To consider and approve the Preliminary Cost Estimate for the work of installation of piped music system in the NIT Campus Kurukshetra.**

The Building and Works Committee deliberated on the matter and approved the preliminary cost estimate for an amount of Rs. 1,38,16,692/- for the work of installation of piped music system in the Campus of NIT Kurukshetra. The Minutes of this item is confirmed in the meeting itself.

BWC 28.5 **To consider & approve the arbitration award awarded by the Arbitral Tribunal for the work of Construction of 300 seater multi-purpose boys hostel including 100 suits for foreign students, research scholars and married PG Students**

The Building and Works Committee (B&WC) deliberated on the arbitration award given by Arbitral Tribunal for the above said work.

It was informed by the Institute that the above work was completed on 03.02.2018 and the CPWD had communicated to the Institute on 13.10.2021 that the construction agency engaged by the CPWD had filed the case for arbitration. Further the Executive Engineer Civil, CPWD & Member, B&WC, apprised that the arbitration award has been referred to legal counsel of CPWD for the legal opinion. After the approval of the competent authority of CPWD, the same will be communicated to NIT, Kurukshetra. The CPWD be requested to provide all the related documents and proceedings in this arbitration case to the Institute.

The B&WC decided that the payment of award amount awarded by the sole arbitrator be made to CPWD including GST.

GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KED, Karnal**
Branch: E&M **Sub-Division: NIT KESD**

Name of Work:- Providing piped music system in the NIT Campus, Kurukshetra.

The Preliminary estimate has been prepared by Assistant Engineer (E), NIT, KESD, Kurukshetra & further processed by Executive Engineer (E), Karnal Electrical Division for the probable cost of Rs. 13816692.00/- i/c % contingencies.

REPORT

History: This Preliminary estimate amounting Rs. 13816692.00/- i/c % contingencies & 4.25 % EPF/ESI has been framed to cover the probable cost of above noted work and for accord of necessary A/A & E/S from the competent authority. The requisition for this work has been received from the client department vide their letter no. CC/3506/240/1233 Dated 12/04/2022. Accordingly this preliminary estimate has been framed.

DESIGN & SCOPE: - The following provisions have been kept in this estimate:-

1. 240 Nos. Low Frequency Speaker 280W with peak power of :- 02 Nos. each for 120 Nos. Pole in the campus.
2. 01 No. Amplifier, Music Player, 4 zone audio matrix, Paging microphone.
3. Wall panel for volume control.
4. 01 No. 24 U equipment rack in control room.
5. Supplying & laying of Speaker cable, Junction boxes etc.

Specifications:-

WC Establishment:- Shall be met out from contingencies.
T&P:- No special T&P required, if required shall be arranged by the contractor at his own cost.
Land:- Available with client department.
Rates:- Based on PAR-2021/ MR.
Method:- By contractor after calls of tender.
Time:-
Pre-tender Activities – 02 Months
Execution – 06 Months
Cost:-
(i) Rs. 13816692.00/- (i/c % contingencies & 4.25 % EPF/ESI)
(ii) This estimate is valid for a period of one year only.
(iii) Add anticipated increase from the date of submission of PE to the completion of pre-construction activities on total cost of work @ 3% is added.
(iv) Add anticipated increase @ 3% per annum is added in the total cost of work on account of increase during the period of construction.

Sr. D/m

Executive Engineer (E)
CPWD, KED, Karnal

PRELIMINARY ESTIMATE

Name of Work:- Providing piped music system in the NIT Campus, Kurukshetra.

S.N	Description of item	Qty	Unit	Rate	Unit	Amount	Remarks
1.0	Supply, Installation, testing and commissioning of 8" low frequency Speaker type 2-way Peak power handling 280 W Program power handling 140 W RMS/AES power handling 70 W,100 V / 30 W - 70 V / 15 W loudspeaker Aluminum front grill for permanent outdoor exposure 100V and low impedance connection possibility, ip 55 rating complete as required.	240.00	Nos.	40000.00	Each	9600000.00	M.R.
2.0	Supply, Installation, testing and commissioning of Quad Channel Amplifier with 480w output power per channel @100v. 4 x 480 W, Frequency Response (± 3 dB) 50 Hz - 22 kHz, Signal / Noise > 100 dB complete as required.	8.00	Nos.	170000.00	Each	1360000.00	M.R.
3.0	Supply, Installation, testing and commissioning of Music Player with Internet audio, USB, Bluetooth, Integrated pre listening loudspeaker with volume control USB interface for each module slot (4x) 2,8" TFT display with selection & operation push buttons Scroll-Push control™ RS-232 remote control connection Ethernet network connection complete as required.	1.00	No.	135000.00	Each	135000.00	M.R.
4.0	Supply, Installation, testing and commissioning of 4-ZONE AUDIO MATRIX integrated prelistening loudspeaker with volume control Individual zone control section (4x) RS-232 & ethernet remote control connection Wall panel connections (4x) Paging microphone connection Priority mute connection 24V emergency power input Mic / line inputs with priority, 3-band EQ and phantom power (2x) complete as required.	1.00	No.	125000.00	Each	125000.00	M.R.
5.0	Supply, Installation, testing and commissioning of PAGING MICROPHONE Surface Touch™ front panel Capacitive & illuminated selection buttons (8x) ,Status indicator LED's ,Tiltable pipe-neck microphone High quality back electret condenser capsule with cardioid pickup pattern complete as required.	1.00	No.	45000.00	Each	45000.00	M.R.
6.0	Supply, Installation, testing and commissioning of WALL PNAEL FOR VOLUME CONTROL, Integration with 45 x 45 mm Installation materials, Terminal block output connection, Program selection and volume control, LED display complete as required.	1.00	No.	12000.00	Each	12000.00	M.R.
7.0	Supply, Installation, testing and commissioning of 24 U equipment rack complete as required.	1.00	No.	33000.00	Each	33000.00	M.R.
8.0	Supplying & laying of 1.5 Sqmm Armoured Speaker cable in DWC pipe in ground etc as required.	2500.00	mtrs	300.00	per mtrs	750000.00	M.R.
9.0	Supply, Installation, of IP55 water proof junction boxes complete as required.	120.00	Nos.	1500.00	Each	180000.00	M.R.
	Total					**12240000.00**	
	Add contingencies					500000.00	
	Total					**12740000.00**	
	Add EPF & ESI @4.25%					541450.00	
	Total					**13281450.00**	
	Add anticipated increase in the total cost of work @ 3 % during the period from the date of submission of PE till completion of pre-construction activities.					398443.50	
	Total					13679893.50	

S.N	Description of item	Qty	Unit	Rate	Unit	Amount	Remarks
	Add anticipated increase in the total cost of work @ 3 % per annum or part thereof for the increase during the period of completion of work.					136798.94	
	Grand Total					13816692.44	
	Say					13816692.00	

Sr. D/m

Executive Engineer (E),
CPWD, KED, Karnal

केन्द्रीय लोक निर्माण विभाग

कुरुक्षेत्र उप–मण्डल, कुरुक्षेत्र

संख्याः– 24(NIT)/स.ई./कु.उ.म./2022/10 दिनांक 05/05/22

ESTATE SECTION
Diary No. 645
Dated 6/5/22

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

विषयः **Provision of cycle path parallel to the existing roads at NIT Kurukshetra.**

संदर्भः– Your office letter no. CC/3506/246/1246 dated 13.04.2022.

R/sir,

In reference to above cited subject, a visual inspection along the roads have been done by the undersigned and it is observed that there is large tree plantation all along the roads on both side as well open drain is also running parallel to the road in the campus. In this regard a joint inspection is needed to explore the possibility of cycle path parallel to existing road as large number of trees are coming in the alignment, will require to be cut/shifted to create space for cycle track as minimum 2 mtr wide pavement is required for cycle track on each side. At some locations it is also observed that cycle track on both side is not feasible. Therefore it is requested to fix a date for joint inspection to explore the possibility of cycle track and undersigned may please be informed accordingly.

सहायक अभियन्ता,
कुरुक्षेत्र उप–मण्डल
के. लो. नि .वि. कुरुक्षेत्र

प्रतिलिपीः–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को सुचनार्थ।

सहायक अभियन्ता

CPWD (Civil)

24(NIT)

EAC minutes of meeting held on 25.5.2022

8. **To discuss the issue regarding decrease in width of the road, and increase in the depth and width of drainage area on both sides of the road between the houses lines BC-1.... BC-3 and BA-4.... BA-6**
The matter was discussed in the meeting of Estate Affairs Committee; it was resolved that the Estate Section may prepare the cost estimate for remedial measures for above locations along with roads between BB Type Houses and Girls Hostel as well within two weeks after the date of receipt of letter.

9. **To discuss a request received from Faculty I/C (H&L) on dated 05.05.2022 regarding requirement of water supply system for watering the lawns.**
The matter regarding requirement of water supply system for watering the lawns was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Faculty I/C (H&L) may make temporary arrangement for use of treated water generated from the STP. Further, it was also decided that A/A & E/S may be processed for already approved work of design of treated water supply line from STP to dual flushing system in 600 seater Girls Hostel, 300 seater Multi-Purpose Boys Hostel, Mega Boys Hostel & Horticulture purpose.

10. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/103 dated 05.05.2022 regarding provision of sound proofing wall of SAC music room.**
The matter regarding provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. In view of the reply received from A.E. (Civil), CPWD vide letter no. 24(NIT)AE/KSD/2022/103 dated 05.05.2022, EAC resolved and recommended that cost estimate for repairs works along with sound proofing work may be obtained from CPWD.

11. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/101 dated 05.05.2022 regarding provision of cycle path parallel to the existing roads.**
The matter regarding provision of cycle path parallel to the existing roads was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials jointly may explore the possibility of providing cycle path parallel to existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions within two weeks after the date of receipt of letter.

12. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/102 dated 05.05.2022 regarding construction of an Academic building (New Lecture Hall Complex).**
The matter regarding construction of an Academic building (New Lecture Hall Complex) was discussed in the meeting of Estate Affairs Committee in view of the reply received form the CPWD vide no. 24(NIT)/AE/KSD/2022/102 dated 05.05.2022. The EAC resolved and recommended that a letter may be communicated to the Dean (Academic) regarding requirements of nos. of Lecture Halls alongwith capacity in view of increase in students intake in future.

13. **To discuss a letter received from A.E. (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/107 dated 10.05.2022 regarding construction of water harvesting Pits/Rain water harvesting system.**
The matter regarding construction of water harvesting Pits/Rain water harvesting system was discussed in the meeting of Estate Affairs Committee. The EAC resolved that Estate Officials and CPWD officials may discuss and identify the feasibility of providing rain water harvesting along the drains. The EAC also recommended that the buildings such as (Hostel No. 7 to 10; Kalpana Chawala, Hostel, MBA/MCA Building, Golden Jubilee Administrative Building and CT/BT Building) may be considered for providing roof top rain harvesting system.

14. **To discuss regarding painting of all Academic Buildings.**
The matter regarding painting of all academic buildings in reference to the minutes of meeting held on 19.04.2022 under the chairmanship of Hon'ble Director was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to CPWD for submission of cost estimate (Building wise) for external painting of all Academic Buildings.

15. **To discuss regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks.**
The matter regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks was discussed in the meeting of Estate Affairs Committee. The EAC resolved that EM Section may carry out on-site survey and prepare a detailed report regarding actual requirements of illumination as per site conditions within two weeks after the date of receipt of letter. The same report will be put up before the next ensuing meeting of EAC.

16. **To discuss regarding the process of installation of piped music.**
In view of the cost estimate received from CPWD vide letter no. 20(7)/CED/23022/985 Dated 24.05.2022, the matter regarding installation of piped music was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that necessary approval may be obtained from the competent authority of the institute before putting up the cost estimate in the B&WC.

Contd P/3

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

[redacted]/2085

Dated 30.08.2022

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Karnal-132001

Subject: Provision of cycle path parallel to the existing roads. (EAC Item No.-11)

Reference: Your office letter no. 24(NIT)/AE/KSD/2022/101 dated 05.05.2022

In continuation to letter under reference, it is intimated that the matter regarding provision of cycle path parallel to the existing roads was discussed and decided that the Estate Officials and CPWD officials may explore jointly the possibility of providing cycle path parallel to existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions within two weeks after the date of receipt of letter so that an early action may be taken accordingly.

This is for information and further necessary action please.

30.8.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar Faculty I/C (E&C)
3. Dean (P&D)
4. Faculty I/C (E&C)
5. A.E. (Civil)
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office

EAC minutes of Meeting held on 20.07.2022

Agenda No.	Item	Recommendations of EAC	Action Taken	Decision Taken in the meeting held on 20.07.2022
14 EAC May 2022	To discuss regarding painting of all Academic Buildings.	The matter regarding painting of all academic buildings in reference to the minutes of meeting held on 19.04.2022 under the chairmanship of Hon'ble Director was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to CPWD for submission of cost estimate (Building wise) for external painting of all Academic Buildings.	A letter has been sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3506/371/2089 dated 30.06.2022 for submission of cost estimate (Building wise) for external painting of all Academic Buildings. The cost estimate is awaited from CPWD.	A letter was sent to CPWD vide no. CC/3506/371/2089 dated 30.06.2022 for submission of cost estimate (Building wise) for external painting of all Academic Buildings. Further, the cost estimate is awaited from CPWD. C.E. Reminder sent dt 27.09.22
15 EAC May 2022	To discuss regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks.	The matter regarding proper illumination along the pedestrian tracks, cycle tracks and proper up keep of these tracks was discussed in the meeting of Estate Affairs Committee. The EAC resolved that EM Section may carry out on-site survey and prepare a details report regarding actual requirements of illumination as per site conditions within two weeks after the date of receipt of letter. The same report will be put up before the next ensuing meeting of EAC.	A letter has been sent to Faculty I/C (EM&T) vide no. CC/3506/388 dated 30.06.2022 for carrying out on-site survey and prepare a details report regarding actual requirements of illumination. A report as per site condition has been prepared by the Elect. Mtc. Section and put before the committee and this item may be discussed alongwith Agenda item No. 9.	A Site visit is required with the officers/officials of NITK and CPWD before finalization of regarding proper illumination of the proposed sites. Reminder
16 EAC May 2022	To discuss regarding the process of installation of piped music.	In view of the cost estimate received from CPWD vide letter no. 20(7)/CED/23022/985 Dated 24.05.2022, the matter regarding installation of piped music was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that necessary approval may be obtained from the competent authority of the Institute before putting up the cost estimate in the B&WC.	This item may be put up before B&WC in its ensuing meeting after approval of the competent authority which is in process.	A cost estimate for an amount equal to Rs. 1,38,16,692/- has been received from CPWD regarding installation of pied music system at various locations along the various roads i.e. Girls Hostel to Academic Building LHC, Boys hostel to Academic area on either side of OAT. Further, the approval from the competent authority is in process to put up before the B&WC in its ensuing meeting.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/515 /3674

Dated 31.08.2022

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Provision of cycle path parallel to the existing roads. (EAC meeting Item No.-11 dated 20.07.2022 in the action taken)

In reference to the joint site visit of officers/officials of NITK and CPWD for exploring the possibility of providing cycle path parallel to the existing roads from main gate along Kirmich Road to NIT Chowk and from Girls Hostel to main gate towards KUK as per site conditions, it is therefore requested to submit the cost estimate for the above said work so that an early action may be taken accordingly.

This is for information and further necessary action please.

31.08.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar Faculty I/C (E&C)
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Kamal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Kamal-132001
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office, Kurukshetra

Appendix 29.16 (ii)

भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कुरुक्षेत्र उप–मण्डल, कुरुक्षेत्र

संख्याः– 24(NIT)/स.ई./कु.उ.म./2022/217 दिनांक 29/09/2022

सेवा में,

Prof. Incharge,
Estate & Construction,
एन.आई.टी. कुरुक्षेत्र.

ESTATE SECTION
Diary No. 1557
Dated 4/10/22

विषयः **Provision of cycle path parallel to the existing roads (EAC meeting Item no. 11 dated 20.07.2022 in the action taken).**

संदर्भः– Dean Estate office letter no. CC/3506/515/3674 dated 31.08.2022.

R/sir,

Please refer your above cited letter vide which you have sought cost estimate for "Cycle path parallel to the existing roads from main gate along Kirmich road to NIT chowk and from Girls hostel to main gate towards KUK". Detailed survey of the site has been conducted and following is observed:-

1. Kirmich side gate to NIT Chowk Left side:-

(a) From the start of the existing foot path to Apollo canteen chowk:- The total length of the stretch is 280.00 mtr and there are two tree lines at distance of 1.20 to 1.30 mtr and 8.00 to 8.20 mtr respectively from kerb edge of existing road. There is a clear gap of 6.00 mtr between the tree lines and cycle track of minimum width 3.00 mtr can be aligned in between tree lines with a minimum required clearance of 1.00 mtr from each tree. As suggested by NIT authority the existing foot path beyond second tree line will be utilized for pedestrians in this stretch. The obstructions coming in the cycle track alignment are 07 nos. trees, 02 nos. electrical pole, 02 nos. water hydrant which will require to shifted (Sketch showing arrangement for cycle track is enclosed).

(b) Stretch between Apollo canteen chowk to NIT chowk:- The total length of stretch is 400.00 mtr, there is row of electrical light poles at a distance of 1.50 to 1.70 mtr, shrub lines (Bogunvelia) at distance of 2.50 to 2.70 mtr, HT/LT underground electrical cable at distance of approximate 4.00mtr, existing foot path (width 2.00 mtr) at a distance of

5.00 mtr and second tree line at distance of 8.20 to 8.50 mtr from kerb edge of existing road. As desired by NIT authority cycle track as well as foot path are to be adjusted in between the electric pole lines and second tree line. Accordingly site layout plan has been prepared by the undersigned (enclosed for your ready reference) and it is observed that there is no margin for shifting of electrical cables, storm water drain in the available space. It would be more appropriate to provide the foot path for pedestrians along the carriage way utilizing the space of electrical pole lines. As per IRC guidelines minimum clearance of 1.00 mtr for tree is mandatory. The shifting of HT/LT underground cables, removal of shrub lines (Bogunvelia) or any other services encountered will be required in any case.

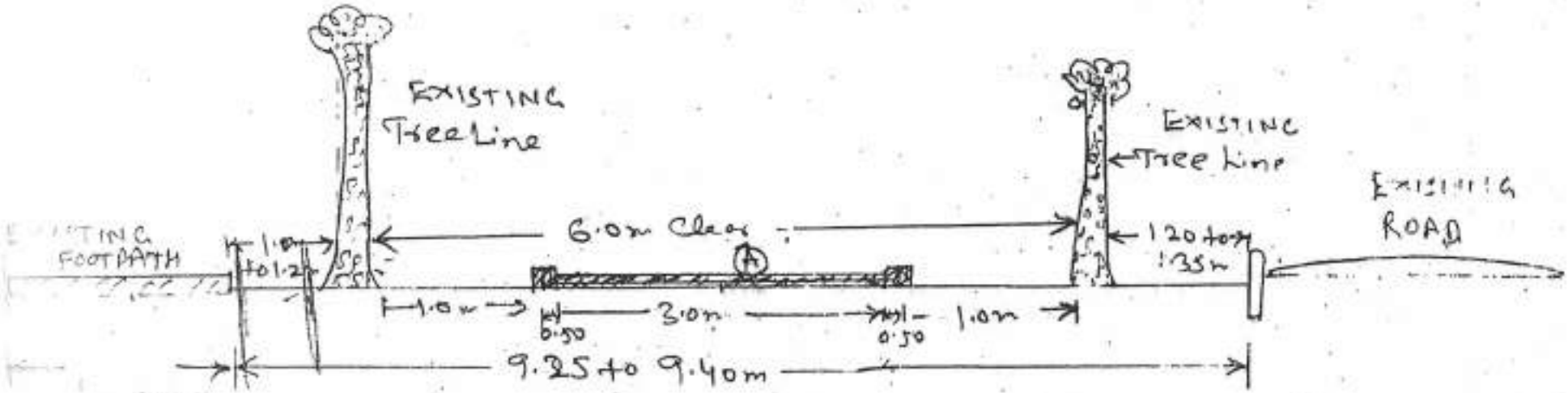
2. Girls Hostel to KUK left side :- The total length of the stretch is 492.00 mtr, there are two tree lines at a distance of 2.90 to 3.00 mtr and 8.00 to 8.50 mtr form kerb edge of existing road respectively. The cycle track of minimum width 3.00 mtr can be aligned in between the tree lines subject to shifting of any underground services encountered. There are 03 nos. trees which require shifting/removal. There is no existing storm water drainage from NIT chowk to KUK gate approximate (300.00 mtr length). The proposed cycle track schematic plan is enclosed for your ready reference.

Therefore you are requested to convey the decision/directions so that preliminary/detailed estimate for cycle track including drainage and foot path (where ever required) may be submitted.

सहायक अभियन्ता,
कुरुक्षेत्र उप-मण्डल
के. लो. नि .वि, कुरुक्षेत्र

प्रतिलिपीः–कार्यपालक अभियन्ता, करनाल मण्डल, के.लो.नि.वि करनाल को पत्र सख्यां 20(142)/यो.शा./2070 दिनाकं 09.09.2022 के संबंध में सुचनार्थ हेतु।

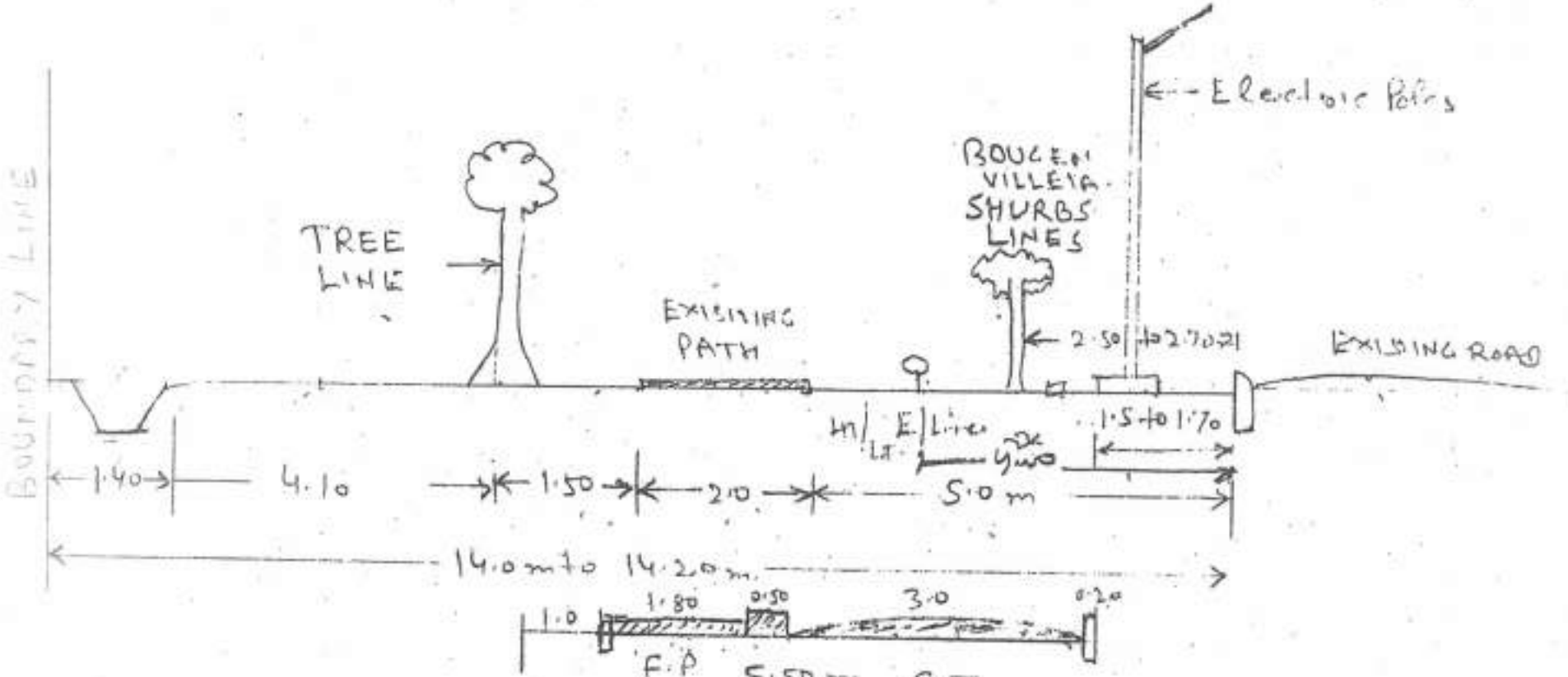
सहायक अभियन्ता

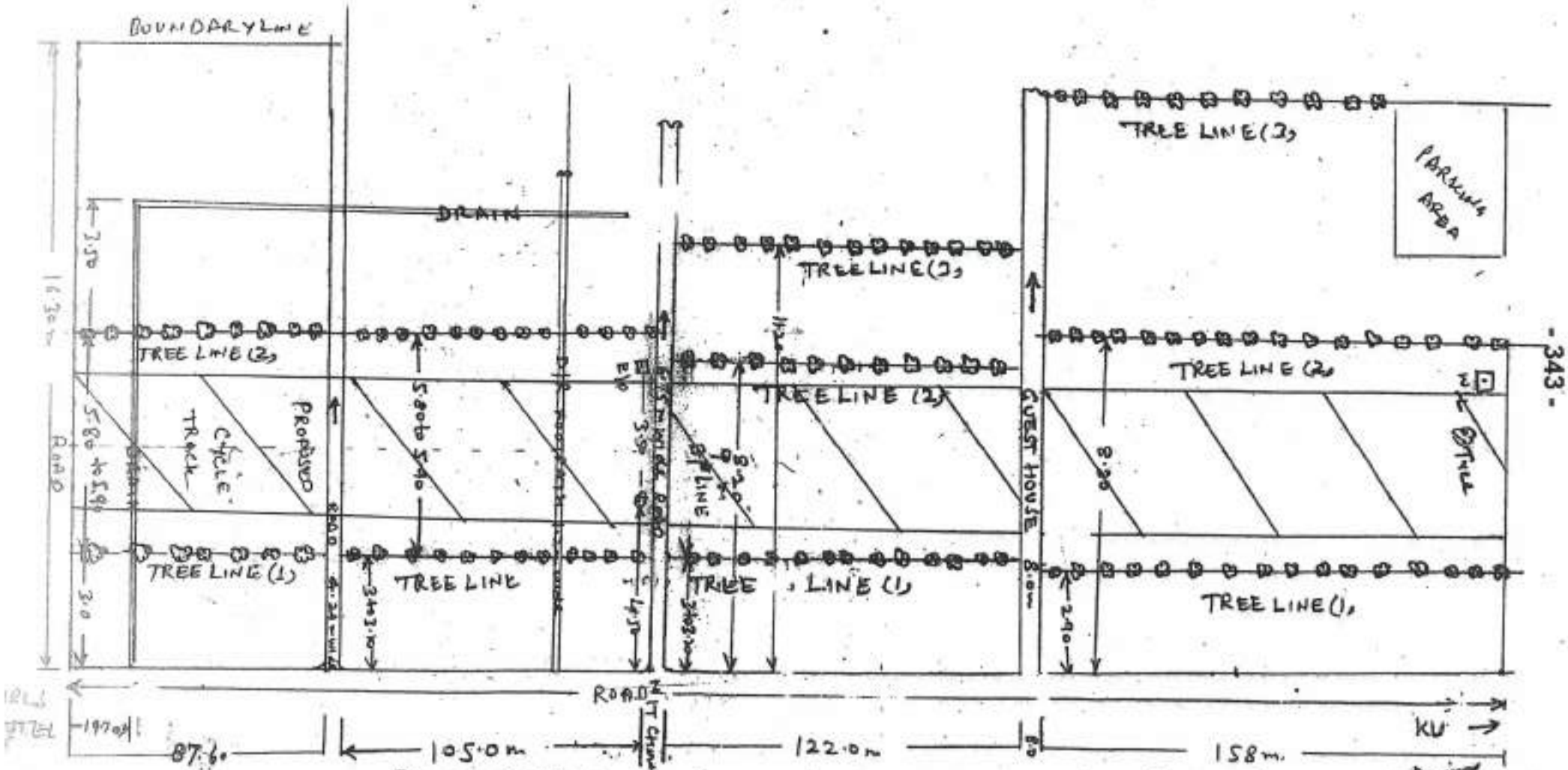


1 Ⓐ PROPOSED CYCLE TRACK. (C.C. Pavement)

From START OF EXISTING FOOTPATH in Appollo Canteen Trunk.

AT GAGE LENGTH - 280m.


BOUNDARY LINES
TREE LINE
EXISTING PATH
BOUGEN VILLEIA SHURBS LINES
Electric Pole
EXISTING ROAD
E. Line
1.40
4.10
1.50
2.0
5.0 m
1.5 to 1.70
14.0 m to 14.20 m.
1.0
1.80
0.50
3.0
0.20
F.P
5.50 m
S.T
Minimum Clearance with Tree 1.0 m
I.T. PIPOLA CHOWK TO N.H. CHOWK
LENGTH — 400 m.



(2) PROPOSED CYCLE TRACK FROM GIRLS HOSTEL TO KUGATE - 492m.

सहायक अभियन्ता

Subject: Minutes of the meeting of Estate Affairs Committee held on 06.12.2022 at 12:30 PM onwards in the office of the Dean (P&D) & Chairman (EAC) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 06.12.2022 (Tuesday) at 12:30 PM onwards in the office of the Dean (P&D) & Chairman (EAC) to discuss various agenda items.

The following were present:

1.	Prof. Brahmjit Singh, Dean (P&D)	Chairman
2.	Prof. Praveen Aggarwal, Assoc. Dean P&D for (E&C)	Member
3.	Prof. Paratibha Aggarwal	Member
4.	Dr. A.K. Singh, HoD, Computer Engg. Deptt.	Special Invitee
5.	Dr. H.D. Chalak, Faculty I/C (E&C)	Member
6.	Dr. Kiran Kumar Jaladi, Faculty I/C (EM&T)	Member
7.	Er. S.N. Kaushik, A.E. (Civil)	Member & Convener
8.	Er. Ashish Kumar Choudhury Assistant Engineer (Electrical)	Member

Before the start of the deliberations, the Chairman, Estate Affairs Committee welcomed all the members present in the meeting.
The Estate Affair Committee deliberated & decided on the various agenda items taken up in the meeting as follows:

1. **To discuss a request received from Assistant Registrar (Audit), Resident CC-12 vide no. AR Audit-227 dated 16.09.2022 regarding the dismantling/demolishing of open to air dustbins/dump yards in the proximity of CC-type residences and others.**

   A request received from Assistant Registrar (Audit), resident CC-12 was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the existing RCC dustbin may be dismantled after making the alternate arrangement for agri-waste collection at the place and for other waste collection, movable dustbins to be provided. Further it is also resolved that instruction be given to the sanitation and cleaning section for developing a mechanism for cleaning of the dustbins on daily basis.

2. **To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/213 dated 27.09.2022 regarding the installation of 3 D metal logo of the Institute and statue of Lord Krishna in the center of existing fountains.**

   A letter received from the Assistant Engineer (Civil), CPWD was discussed in the Estate Affairs Committee.
   2(a) The EAC resolved and recommended that the 3 D logo of the Institute be placed in front of the New Administrative Golden Jubilee Building adjacent to Boundary wall near Institute Grass logo. Further, it is also resolved that the platform foundation may be made at 1½ – 2' feet above the ground level and height of logo may be considered to be 10-12 feet and logo will be made by metal of mix/stainless steel.
   2(b) Further, the EAC resolved and recommended that the location and size of Statue of Lord Krishna will be decided after consultation with the competent authority of the Institute.

3. **To discuss a letter received from the Assistant Engineer (Civil), CPWD vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 regarding provision of cycle path parallel to the existing roads.**

   The matter was discussed and recommended that the cycle track and foothpath may be provided as per the drawings submitted by the CPWD officials prepared in consultation with estate section of the institute. Further EAC resolved that CPWD may be requested to submit the cost estimate for the said work.

4. **To discuss a letter received form the Assistant Engineer (Civil), CPWD vide no. 24(NIT/AE/KSD/2022/230 dated 18.10.2022 regarding construction of one additional RCC floor & lift block (G+2) over existing (G+1) lecture Hall Complex 12 nos. (Vertical extension) (Civil + Electrical Works) (Under EWS).**

   A letter received form the Assistant Engineer (Civil), CPWD was discussed in the Estate Affairs Committee. The EAC resolved and recommended that a letter may be sent to M/s. Benjamin Benjamin & Vats, New Delhi for submission of design calculation of existing structure.

Contd... P/2

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/13/87 Dated 06.01.2023

To

The Executive Engineer (Civil),
CPWD, NDRI Campus, Near State Bank of India,
Kamal-132001

Subject: Provision of cycle path parallel to the existing roads, (Vide item No.-3 of EAC meeting held on 06.12.2022).

Reference: Vide no. 24(NIT)/AE/KSD/2022/217 dated 29.09.2022 received from A.E. (Civil), CPWD.

In continuation to letter under reference it is intimate that the cycle track and footpath may be provided as per the drawings submitted by CPWD officials and prepared in consultation with Estate Section of the institute. Further EAC resolved that CPWD may be requested to submit the cost estimate for the said work.

In this regard, it is therefore requested to submit the preliminary cost estimate for the cycle track and footpath so that an early action may be taken accordingly.

This is for your kind information and further necessary action please.

6/1/2023
Associate Dean P&D for (E&C)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Superintending Engineer (Civil), CPWD, Kamal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Kamal-132001
5. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office Kurukshetra

Subject: Minutes of the meeting of Progress Review Committee of NIT Kurukshetra under the Chairmanship of Dean (P&D), held on 12.01.2023 at 11:00 AM in the Board Room of Golden Jubilee Administrative Building of the Institute to discuss the progress of completed/on-going/future construction works allotted to CPWD and to resolve any outstanding issues in the execution of works.

The following were present in the meeting.

1. Prof. Brahmjit, Dean (P&D)
2. Prof. Praveen Aggarwal, Associate Dean P&D for (E&C)
3. Dr. Kiran Kumar Jaladi, Faculty I/C (EM&T)
4. Er. S.N. Kaushik, A.E. (Civil)
5. Er. Ashish Choudhury, A.E. (Elect.)
6. Sh. Rajesh Kumar, J.E. (Civil)
7. Sh. Rakesh Kumar, J.E. (Elect.)
8. Executive Engineer (Civil), CPWD
9. Assistant Engineer (Civil), CPWD
10. Assistant Engineer (Elect.), CPWD
11. J.E. (Elect.), CPWD

At the outset, Dean (P&D) welcomed all the members present in the meeting and also apprised the committee regarding the progress of completed/on-going/proposed construction works executed/being executed by CPWD at NIT, Kurukshetra.

The following issues were discussed and resolved as under:

1. **Regarding to submit the cost estimate for proposed multi-storey boys hostel (G+10) at NIT Kurukshetra.**
The matter regarding to submit the cost estimate for the proposed work of multi-storey boys hostel (G+10) was discussed in the meeting. During discussion the Executive Engineer (Civil), CPWD apprised that the architectural/conceptual drawings are required for preparing the preliminary cost estimate. In this regard, it is resolved that a meeting may be fixed in the next week with the Architect, CPWD in consultation with Special Director General, CPWD for finalization of the Architectural/ Conceptual drawings so that the cost estimate will be prepared by CPWD.

2. **Regarding to submit the cost estimate for installation of 3D metal logo of the Institute.**
The matter regarding installation of 3 D metal logo of the Institute was discussed in detail and resolved that the CPWD may prepare a drawings/3D sketch of the logo and submit to the Institute accordingly.

3. **Regarding to submit the cost estimate for the provision of cycle track & footpath parallel to the existing roads at NIT Kurukshetra.**
The matter regarding provision of cycle path parallel to the existing roads in the Institute was discussed in detail and resolved that CPWD & NIT officials may visit the site to explore the feasibility regarding the provision of cycle track, footpath along with the provision of covering, lights and piped music etc. as per site condition.

4. **Regarding to submit the cost estimate for construction of water harvesting Pits/Rain water harvesting system at NIT Kurukshetra.**
The matter regarding construction of water harvesting Pits/rain water harvesting system was discussed in detail and resolved that CPWD may check the feasibility at site of Boys Hostel No. 7, 8, 9, 11 & 12, BT/GT type Quarters, MBA/MCA & Siemens Centre Building. The report may be submitted to the Institute by 28th January 2023.

5. **Regarding to submit the cost estimate for the Informatory/ Regulatory/Mandatory sign boards for roads and place identification boards for buildings at various different locations in the Institute Campus at NIT Kurukshetra.**
The matter regarding Informatory/Regulatory/Mandatory sign boards for roads and place identification boards for building at various different locations in the Institute was discussed in detail and resolved that the CPWD may prepare a revised layout plan for providing Informatory/Regulatory/mandatory sign boards for roads and place identification boards for building after a joint visit with NIT officers/officials. Further, after finalization of revised plan the same may be submitted to the Institute for further process.

Contd....P/2

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3614/362 | 1892 Dated: 01.05.2023
02

To

The Executive Engineer (Civil)
Karnal Central Public Works Department, NDRI Campus
Near State Bank of India, Karnal-132001

The Executive Engineer (Elect.)
Karnal Central Electrical Division, CPWD,
208-D, HSIIDC, Sector-3, Karnal-132001

Subject: To submit the fresh Cost Estimate for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra.

The approval of the competent authority of the Institute is hereby conveyed to submit the fresh cost estimate for the work as cited in the subject.

Sub Head:

(i) To match the entire profile of the area the level of existing footpath from main gate along Kirmich road to Chowk near Hostel No.-4 needs to be raised so the same may be replace/redeveloped with the provision of RCC hume pipes for laying various cables and other utilities.

(ii) Provision of cycle track on the North side of existing footpath from main gate along Kirmich road to Chowk near H-4.

(iii) From Chowk near H-4 to NIT Chowk the existing footpath be replaced by cycle track and footpath be made on south side of existing footpath i.e., along the storm water drain with the provision of RCC hume pipes for laying various cables and other utilities.

(iv) From Main gate KUK to Girls Hostel, due to site conditions the footpath be made along the road with the provision of RCC hume pipes for laying various cables and other utilities and existing footpath be replaced with cycle track exactly opposite to the proposed in the stretch covered from Kirmich Gate to NIT chowk.

(v) Provision of new footpath along the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk (on right hand side).

(vi) Provision of covering of footpath along with the provision of piped music, lighting etc. from Main Gate along Kirmich Road to NIT Chowk (left hand side) and Main Gate towards KUK to Girls Hostel.

Therefore, it is requested to submit the fresh cost estimate for the above said work at the earliest, so that an early action may be taken accordingly.

This is for information and further, necessary action please.

1/5/23
Associate Dean P&D for (E&C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office
6. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office

ESTATE SECTION
Diary No. 1648
Dated 16/9/23

P&W for Dean (P&C)
16/9/23

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय अधीक्षण अभियन्ता- करनाल
हैफेड ऑफिस बिल्डिंग, द्वितीय तल,
एस.सी.ओ.-19-20, सैक्टर-12 (पार्ट-1)
करनाल-132001

Office of Superintending Engineer - Karnal
Hafed Office Building, 2nd Floor,
S.C.O.-19-20, Sector-12 (Part-1)
Karnal-132001
E-Mail : knl-sekcd@cpwd.gov.in

संख्या - 23(NIT-KKR)/अधी-अभि-करनाल/2023/ दिनांक 14/09/2023

सेवा में,

Associate Dean P&D (Estate & Construction)
National Institute of Technology
Kurukshetra-136119

f(HC) cL f(HC) Exm to examine
22/9/2023

विषय : **Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra.**

संदर्भ : आपके कार्यालय का पत्र संख्या : CC/3614/362/1892 दिनांक 01/02.05.2023.

महोदय,

With reference to above subject, please find enclosed herewith a Preliminary Estimate in duplicate amounting to Rs. 6,22,03,800/- (Six Crore Twenty Two Lacs Three Thousand Eight Hundred Only) for the subject work for obtaining A/A & E/S of the competent authority. The necessity for preparing the estimate has been explained in history part of the estimate.

It is, therefore, requested to return one copy of Sanctioned Estimate at the time of conveying the administrative approval & expenditure sanction.

Encl : As Above

1409
अधीक्षण अभियन्ता-करनाल
के.लो.नि.वि. करनाल

प्रतिलिपि :-

1. विशेष महानिदेशक, परियोजना क्षेत्र चण्डीगढ़ के.लो.नि.वि., चण्डीगढ़ को सूचनार्थ।
2. कार्यपालक अभियन्ता (सि.) के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(NIT-KKR)/यो.शा./क.मं./2023/1507 दिनांक 16.08.2023 एवं सम पत्र संख्या : 1677 दिनांक 06.09.2023 के संदर्भ में सूचनार्थ।
3. कार्यपालक अभियन्ता (वै.) के.लो.नि.वि. करनाल को उनके कार्यालय के पत्र संख्या : 20(7)/क.वै.मं./2023/1356 दिनांक 14.09.2023 के संदर्भ में सूचनार्थ।

अधीक्षण अभियन्ता-करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: KD**
Branch: B & R **Sub-Division: KSD**

NAME OF WORK: **Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This Preliminary Estimate framed by Er. Devendra Singh, (Executive Engineer (Civil), Karnal Division) & Er. Smt. Savita Ray, Executive Engineer (Elect.) and further processed in the Office of Superintending Engineer, Karnal, CPWD, Karnal for the probable cost of Rs. 6,22,03,800/- i/c contingencies.

REPORT

History: This Preliminary Estimate amounting to Rs. 6,22,03,800/- i/c 3% contingencies has been framed to cover the probable cost of the above mentioned work for obtaining A/A & E/S by the competent authority. The requisition for the above noted work has been received vide client letter no. CC/3614/362/1892 dated 01/02.05.2023. Hence this Preliminary cum Detailed Estimate has been framed to obtain A/A & E/S from the competent Authority.

Design & Scope: **The Following provisions has been made in this estimate : –**

Civil Work:

(A) **Cycle Track –**
Location- Main Kirmich Gate to NIT chowk LHS 700.00 m, KUK Gate to NIT chowk 300 m, NIT chowk to Girls Hostel 200 m i.e. total 1200 m long, width of track 3 m, type of pavement cement concrete along with provision of kerb stone & related items such as removal of existing path

(B) **Footpath-**
Location- Main Kirmich Gate to NIT chowk LHS 700.00 m, KUK Gate to NIT chowk 300 m, NIT chowk to Girls Hostel 200 m, Hostel no. 04 chowk to NIT chowk RHS in front of Golden Jubilee Administrative Block 400 m i.e. total 1600 m long, width of footpath 2 m with the provision of 60mm thick cement concrete paver block of grade M-35 including kerb stone all along the edge with related items. Provision of 3 nos. 300mm dia RCC pipe under footpath all along the way at a depth of 1 m below including manholes for the services in future.

(C) **Covering of Footpath –**
Location- Main Kirmich Gate to NIT chowk LHS 700.00 m, KUK Gate to NIT chowk 300 m, NIT chowk to Girls Hostel 200 m excluding 30 m for cross roads i.e. total 1170 m. Provision of structural steel, MS pipes, channels, plates for structural arrangement of shed, the width of shed is 2.00 m, height on the edge 2.40 m and height in the centre 2.70 m. Provision of roofing with 2mm thick UV stabilised fiberglass reinforced plastic sheet along with related items.

(D) (i) **New Drain** - KUK Gate to Sports complex 100 m, Main gate to Appolo canteen chowk 290 M i.e. 390 M. The provision of RCC drain 75cm wide with depth 60cm at start and 1 m at end or fall point with wall thickness 150mm including related items

(E) (ii) **Raising of existing Drain** - Location- Appolo canteen chowk to NIT chowk LHS 400 m, NIT chowk to Girls Hostel 200 m, Sport complex to NIT chowk 200 m i.e. total 800 m and 40 nos. cross drains 12m long from road edge to existing drain. The provision of Brick work average 30cm high on existing drain including related items.

Electrical Work:

(A) Providing LED fittings & associated internal EI works i/c supplying & laying suitable size XLPE insulated LT Cables, GI Pipe, HDPE pipe, Feeder Pillars with timer, earthing etc for cycle track.

(B) Providing pipe music system along the footpath/cycle track with all audio video equipments i.e Speaker, Amplifier, Music player, switcher, control panel, equipment racks & associated cabling work etc.

Note:- Provision of shifting of existing services such as electrical HT/LT lines, GI water lines, Network fiber cable etc. and Trees, coming in the alignment of Cycle track, Footpath is not taken in this estimate thus it would be the responsibility of the client department to shift the services if required at the time of execution of work.

Specification:

Civil Part: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Electrical Part: Electrical work Internal 2013 and External (Part-I) Amended up to date, CPWD General Specifications for Electrical Works Part-IV- Sub-Station –2013, Generation Specifications for Heating, Ventilation & Air- Conditioning (HVAC)- 2017, CPWD, Generation Specifications for Electrical Works, Part-VI Fire Detection and Alarm System – 2018, Part-V Wet Riser & Sprinkler system-2020.

Obligations of the client department:

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
2. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
3. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case, the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
4. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
5. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Civil : Based on DSR – 2021.
Elect.: Based on DSR 2022 & Market Rates.

Method: Through contract after call of tender.

Time:

Pre Construction	:	2 Months
Construction Period	:	6 Months
Total	:	8 Months (After receipt of A/A & E/S or receipt of funds whichever is later)

Cost: Rs. 6,22,03,800/-

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

-Sd-
Executive Engineer-Karnal (Civil)
CPWD, Karnal

-Sd-
Executive Engineer-Karnal (Elect.)
CPWD, Karnal

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD-Karnal

GENERAL ABSTRACT OF COST

Name of work :- Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra.

Sr. No.	Name of Work	Amount	Remarks
A.	Civil Work		
1	Cycle Track	10511126.00	Amount as per Annexure-I
2	Footpath	14401332.00	Amount as per Annexure-II
3	Covering of Footpath/Shed	14398580.00	Amount as per Annexure-III
4	New Drain & Raising of existing Drain	6228581.00	Amount as per Annexure-IV
B.	Electrical Work	6955597.00	Amount as per Annexure-V
	Total	52495216.00	(X)
	Add GST @ 6.33% (18% in place of 12% factor) As Per OM No.SE/TAS/GST/20 Dated 10.08.2022	3322947.00	
	Total	55818163.00	(Y)
	Add Contingencies @3% on 'Y'	1674545.00	
	Add EPF & ESI @3.94% on 'Y'	2199236.00	
	Add for Anticipated Increase in the total cost of work @3% as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 from the date of submission of PE to the completion of pre-construction activities. ... @ 3% on (Y)	1674545.00	
	Add for Anticipated Increase in the total cost of work @3% per Annum as per circuler issued by SE(TAS)vide letter No. 68/SE(TAS)/Cost Index/2020/483 dated 16.12.2020 for increase during the period of completion of work (6 Months) ... @ 1.5% on (Y)	837272.00	
	Grand Total	62203761.00	
	Say	6,22,03,800.00	

The Preliminary Estimate amounting to Rs. 6,22,03,800/- (Six Crore Twenty Two Lacs Three Thousand Eight Hundred Only) is submitted to Client Department for obtaining A/A & E/S.

Assistant Engineer (Civil)
O/o SE-Karnal
CPWD, Karnal

Assistant Engineer (Elect.)
O/o SE-Karnal
CPWD, Karnal

Superintending Engineer-Karnal
CPWD, Karnal

ESTATE SECTION
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No./CC/3614/362 | 1892 Dated: 01.05.2023
02

To

The Executive Engineer (Civil)
Karnal Central Public Works Department, NDRI Campus
Near State Bank of India, Karnal-132001

The Executive Engineer (Elect.)
Karnal Central Electrical Division, CPWD,
208-D, HSIIDC, Sector-3, Karnal-132001

Subject: To submit the fresh Cost Estimate for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra.

The approval of the competent authority of the Institute is hereby conveyed to submit the fresh cost estimate for the work as cited in the subject.

Sub Head:

(i) To match the entire profile of the area the level of existing footpath from main gate along Kirmich road to Chowk near Hostel No.-4 needs to be raised so the same may be replace/redeveloped with the provision of RCC hume pipes for laying various cables and other utilities.

(ii) Provision of cycle track on the North side of existing footpath from main gate along Kirmich road to Chowk near H-4.

(iii) From Chowk near H-4 to NIT Chowk the existing footpath be replaced by cycle track and footpath be made on south side of existing footpath i.e., along the storm water drain with the provision of RCC hume pipes for laying various cables and other utilities.

(iv) From Main gate KUK to Girls Hostel, due to site conditions the footpath be made along the road with the provision of RCC hume pipes for laying various cables and other utilities and existing footpath be replaced with cycle track exactly opposite to the proposed in the stretch covered from Kirmich Gate to NIT chowk.

(v) Provision of new footpath along the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No.-4 to NIT Chowk (on right hand side).

(vi) Provision of covering of footpath along with the provision of piped music, lighting etc. from Main Gate along Kirmich Road to NIT Chowk (left hand side) and Main Gate towards KUK to Girls Hostel.

Therefore, it is requested to submit the fresh cost estimate for the above said work at the earliest, so that an early action may be taken accordingly.

This is for information and further, necessary action please.

1/5/23
Associate Dean P&D for (E&C)

Copy to:

1. Assistant Registrar to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D) for information please
4. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
5. Assistant Engineer (Civil), CPWD, NIT Kurukshetra Camp office
6. Assistant Engineer (Elect.), CPWD, NIT Kurukshetra Camp office

Annexure - 1

Preliminary Estimate (Civil Part)

Name of Work:- Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra. (Cycle Track)

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	CEMENT CONCRETE (CAST IN SITU)					4
1.1	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					4.20
1.1.1	All works upto plinth level :					4.20.1
1.1.1.1	Concrete of M10 grade with minimum cement content of 220 kg /cum	384	cum	8033.20	3084748.80	4.20.1.1
	Sub-Total				3084749.00	
2	REINFORCED CEMENT CONCRETE					5
2.1	Centering and shuttering including strutting, propping etc. and removal of form for					5.9
2.1.1	Foundations, footings, bases of columns, etc. for mass concrete.	702	sqm	332.10	233134.20	5.9.1
	Sub-Total				233134.20	
3	FINISHING					13
3.1	Finishing walls with ready mixed Premium acrylic emulsionpaint (Company Depot Tinted) having VOC less than 50 gm/litre and UV resistance as per IS 1 89:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives.					13.48A
3.1.1	New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	960	sqm	154.40	148224.00	13.48A.1
	Sub-Total				148224.00	
4	ROAD WORK					16
4.1	Preparation and consolidation of sub grade with power road roller of8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road rollerincluding making good the undulations etc. and ... ing the subgrade and disposal of surplus earthwith lead upto 50 metres.	3840	sqm	180.50	693120.00	16.1

4.2	Providing and filling in position rubberized bitumen hot sealingcompound for sealing of expansion joints in roads / pavements allcomplete as per direction of the Engineer-in-Charge.					16.46
4.2.1	Using grade 'A' sealing compound conforming to IS: 1834.	11700	per cmdepth persm. widthper metrelength	7.50	87750.00	16.46.1
4.3	Providingand laying at or nearground level factory made kerb stoneof M 25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness ofjoints except at sharp curve shall not to more than 5mm), includingmaking drainage opening wherever required complete etc. as perdirection of Engineer-in-charge (length of finished kerb edging shallbe measured for payment). (Precast C.C. kerb stone shall be approvedby Engineer-in-charge).	135	cum	8613.55	1162829.25	16.69
4.4	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in- charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	540	cum	8964.00	4840560.00	16.75
4.5	Taking out existing CC interlocking paver blocks from footpath/ centralverge, including removal of rubbish etc., disposal of unserviceablematerial to the dumping ground, for which payment shall be madeseparately and stacking of serviceable material within 50 metre leadas per direction of Engineer-in-Charge.	2400	sqm	108.65	260760.00	16.83
	Sub-Total				7045019.00	
	Total				10511126.00	
	Say				10511126.00	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure-II

Preliminary Estimate (Civil Part)

Name of Work: - Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra. (Foot Path)

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1.1	All kinds of soil.	3457	cum	218.60	755700.00	2.8.1
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lift	3118	cum	161.60	503869.00	2.25
	Sub-Total				1259569.00	
2	CEMENT CONCRETE (CAST IN SITU)					4
2.1	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					4.2
2.1.1	All works upto plinth level :					4.20.1
2.1.1.1	Concrete of M10 grade with minimum cement content of 220 kg /cum	306	cum	8033.20	2458159.00	4.20.1.1
	Sub-Total				2458159.00	
3	FINISHING					13
3.1	Finishing walls with ready mixed Premium acrylic emulsionpaint (Company Depot Tinted) having VOC less than 50 gm/litre and UV resistance as per IS 1 89:2004, Alkali & fungal resistance, dirt resistance exlerior paint of required shade with silicon additives.					13.48A
3.1.1	New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	1280	sqm	154.40	197632.00	13.48A.1
	Sub-Total				197632.00	

4	Dismantling and Demolishing					15
4:1	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :					15.43
4.1.1	Water bound macadam road	150	sqm	179.65	26948.00	15.43.1
4.1.2	bitiuminous road.	150	sqm	353.65	53048.00	15.43.2
	Sub-Total				79996.00	
5	ROAD WORK					16
5.1	Providing and laying at or near ground level factory made kerb stoneof M-25 grade cement concrete in position to the required line, levelland curvature, jointed with cement mortar 1:3 (1 cement: 3 coarsesand), including making joints with or without grooves (thickness ofjoints except at sharp curve shall not to more than 5mm), includingmaking drainage opening wherever required complete etc. as perdirection of Engineer-in-charge (length of finished kerb edging shallbe measured for payment). (Precast C.C. kerb stone shall be approvedby Engineer-in-charge).	180	cum	8613.55	1550439.00	16.69
5.2	Providing and laying factory made chamfered edge Cement Concretepaver blocks in footpath, parks, lawns, drive ways or light trafficparking etc, of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour &pattern over 50mm thick compacted bed of sand, compacting andproper embedding/laying of inter locking paver blocks into the sandbedding layer through vibratory compaction by using plate vibrator,filling the joints with sand and cutting of paver blocks as per requiredsize and pattern, finishing and sweeping extra sand. complete all asper direction of Engineer-in-Charge.					16.91
5.2.1	60mm thick cement concrete paver block of M-35 gradewith approved colour, design & pattern.	2737	sqm	932.35	2551842.00	16.91.1
	Sub-Total				4102281.00	
6	DRAINAGE					19
6.1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					19.6
6.1.1	300 mm dia. R.C.C. pipe	4800	metre	902.05	4329840.00	19.6.4
6.2	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement 7 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :-					19.7
6.2.1	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg):					19.7.3

6.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	50	each	29974.30	1798458.00	19.7.3.1
6.3	Extra for depth for manholes :					19.8
6.3.1	Size 120x90 cm					19.8.2
6.3.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	18	metre	9744.25	175397.00	19.8.2.1
	Sub Total				6303695.00	
	Total				14401332.00	
	Say				14401332.00	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

Annexure-III

Preliminary Estimate (Civil Part)

Name of Work : Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra. (Covering of Footpath Shed)

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Earth work in excavation by mechanical means (hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m.					2.8
1.1.1	All kinds of soil.	600	cum	218.60	131160.00	2.8.1
	Sub-Total				131160.00	
2	CEMENT CONCRETE (CAST IN SITU)					4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	109	CUM	7783.70	848423.00	4.1.2
2.1.2	1:5:10 (1 cement : 5 coarse sand (zone - I) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	22	cum	6050.65	133114.00	4.1.10
	Sub-Total				981537.00	
3	REINFORCED CEMENT CONCRETE					5
3.1	Centering and shuttering including strutting, propping etc. and removal of form for					5.9
3.1.1	Foundations, footings, bases of columns, etc. for mass concrete.	972	sqm	332.10	322801.00	5.9.1
	Sub-Total				322801.00	
4	STEEL WORK					10
4.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	22370	kg	93.05	2081529.00	10.1
4.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	9614	kg	111.95	1076287.00	10.2
4.3	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					10.16
4.3.1	Hot finished welded type tubes	39721	kg	155.40	6172643.00	10.16.1
4.4	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	2375	kg	88.50	210188.00	10.19
	Sub-Total				9540647.00	
5	ROOFING					12
5.1	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia, G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opeque or translucent, clear or pigmented, textured or smooth as specified.					12.47

5	2 mm thick flat	2925	sqm	1048.50	3066863.00	12.47.2
	Sub-Total				3066863.00	
13	FINISHING					13
13.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade					13.61
13.1.1	Two or more coats on new work	2705	sqm	131.45	355572.00	13.61.1
	Sub-Total(w)				355572.00	
	Total				14398580.00	
	Say				14398580.00	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

Sd.
Executive Engineer-Karnal
CPWD, Karnal

Annexure-IV

Preliminary Estimate (Civil Part)

Name of Work :-Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmuch Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No. 4 to NIT Chowk at NIT Kurukshetra. (New Drain & Raising of Existing Drain)

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1.1	All kinds of soil	651	cum	218.60	142309.00	2.8.1
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and for all lift	175	cum	161.60	28280.00	2.25
	Sub-Total				170589.00	
2	CEMENT CONCRETE (CAST IN SITU)					4
2.1	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources; Portland Pozzolana/Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					4.20
2.1.1	All works upto plinth level :					4.20.1
2.1.1.1	Concrete of M10 grade with minimum cement content of 220 kg /cum	60	cum	8033.20	481992.00	4.20.1.1
2.1.1.2	Concrete of M20 grade with minimum cement content of 270 kg/cum	30	cum	8387.10	251613.00	4.20.1.3
	Sub-Total				733605.00	
3	REINFORCED CEMENT CONCRETE					5
3.1	Centering and shuttering including strutting, propping etc. and removal of form for					5.9
3.1.1	Walls any thickness) including attached pilasters, butteresses, plinth and string courses etc.	1328	sqm	702.00	932256.00	5.9.2
3.2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level					5.22

3.2	Thermo-Mechanically Treated bars of grade Fe-500D or more.	10430	kg	89.65	935050.00	5.22.6
3.3	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand).	877	sqm	253.05	221925.00	5.23
3.4	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					5.33
3.4.1	All works upto plinth level					5.33.1
3.4.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	149	cum	8683.80	1293886.00	5.33.1.1
	Sub-Total				3383117.00	
4	MASONRY WORK					6
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					6.1
4.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	199	cum	6882.00	1369518.00	6.1.1
	Sub-Total				1369518.00	
5	FINISHING					13
5.1	12 mm cement plaster of mix :					13.4
5.1.1	1:4 (1 cement: 4 coarse sand)	864	sqm	307.25	265464.00	13.4.1
5.2	15 mm cement plaster on rough side of single or half brick wall of mix:					13.5
5.2.1	1:4 (1 cement: 4 coarse sand)	864	sqm	354.50	306288.00	13.5.1
	Sub-Total				571752.00	
	Total				6228581.00	
	Say				6228581.00	

Assistant Engineer-Karnal (Civil)
O/o SE-Karnal, CPWD, Karnal

-Sd-
Executive Engineer-Karnal
CPWD, Karnal

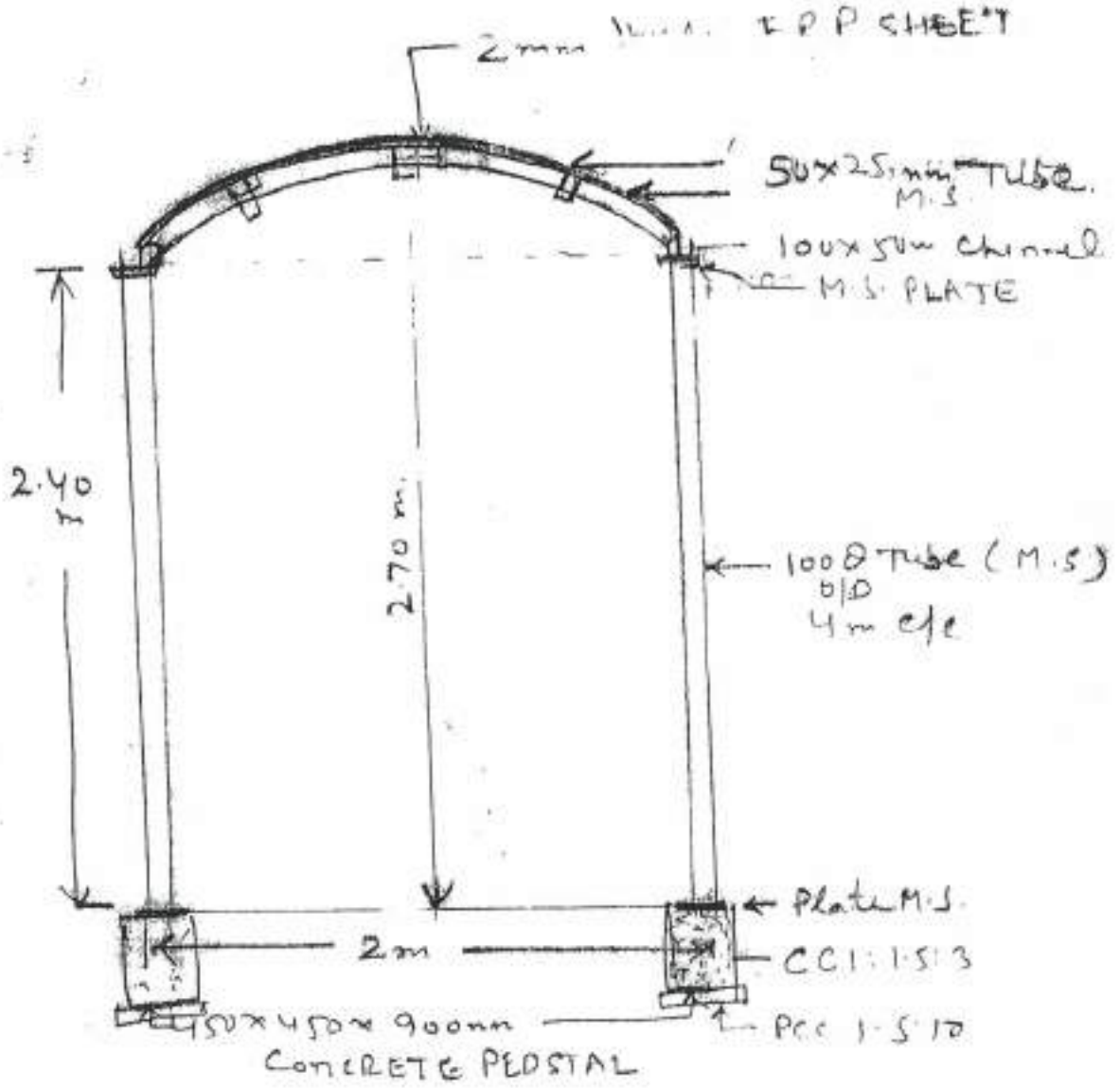
REVISED PRELIMINARY ESTIMATE (Electrical Work)

Name of Work:- Provision of cycle track & footpath with covering, piped music & lighting etc from main Gate along Kirukshetra Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel along with the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostal No.4 to NIT Chowk at NIT Kurukshetra. (SH-Providing lighting and piped music system)

	Description of item		Unit	Rate	Amount	Remarks
	SH-A (El & Lighting work)					
1.0	Supplying & Laying of suitable sizes XLPE insulated and PVC sheathed aluminium conductor armoured power cable of 1.1 kV grade in RCC/ HUME/ METAL pipe/Wall Surface/Open duct i/c Suitable sizes DWC HDPE Pipe complete etc as required.	1	ob	718020.00	718020.00	DSR MR
2.0	Supplying /inserting of following size GI pipe (med class)cross the road/pucca floor without cutting of road /floor by trenchless /mannual method at a level not less than .75 meter below under the road complete as required.					
2.1	150 mm dia.	50	Metres	3079.00	153950.00	MR
3.0	Supplying Installation Testing & Commissioning of IP 66 LED Light for Foothpith Lighting.	240	Nos.	3031.00	727440.00	MR
4.0	Supplying, installation, testing & commissioning of suitable size Feeder Pillar for Foothpath Lighting i/c necessary earthing complete etc as required.	1	ob	263860.00	263860.00	DSR MR
	SH-B (Piped Music system)					
5.0	Supply, Installation, testing and commissioning of 8" low frequency Speaker type 2-way Peak power handling 280 W Program power handling 140 W RMS/AES power handling 70 W,100 V / 30 W - 70 V / 15 W loudspeaker Aluminum front grill for permanent outdoor exposure 100V and low impedance connection possibility. ip 55 rating complete as required.	120.00	Nos.	33056.00	3966720.00	M.R.
6.0	Supply, Installation, testing and commissioning of Quad Channel Amplifier with 480w output power per channal @100v, 4 x 480 W, Frequency Response (± 3 dB) 50 Hz - 22 kHz, Signal / Noise > 100 dB complete as required.	4.00	Nos.	138656.00	554624.00	M.R.
7.0	Supply, Installation, testing and commissioning of Music Player with Internet audio, USB, Bluetooth, Integrated pre-listening loudspeaker with volume control, USB interface for each module slot (4x) 2,8" TFT display with selection & operation push buttons Scroll-Push control™ RS-232 remote control connection Ethernet network connection complete as required.	1.00	No.	109870.00	109870.00	M.R.
8.0	Supply, Installation, testing and commissioning of 4-ZONE AUDIO MATRIX integrated prelistening loudspeaker with volume control individual zone control section (4x) RS 232 & ethernet remote control connection Wall panel connections (4x) Paging microphone connection Priority mute connection 24V emergency power input Mic / line input switch selector, 3-band EQ and phantom power (2x) complete as required.	1.00	No.	98504.00	98504.00	M.R.
9.0	Supply, Installation, testing and commissioning of PAGING MICROPHONE Surface Touch™ front panel Capacitive & illuminated selection buttons (8x) ,Status indicator LED's ,Tiltable pipe-neck microphone High quality back electret condenser capsule with cardioid pickup pattern complete as required.	1.00	No.	35689.00	35689.00	M.R.
10.0	Supply, Installation, testing and commissioning of WALL PNAEL FOR VOLUME CONTROL, Integration with 45 x 45 mm Installation materials, Terminal block output connection, Program selection and volume control, LED display complete as required.	1.00	No.	9093.00	9093.00	M.R.
11.0	Supply, Installation, testing and commissioning of 24 U equipment rack complete as required.	1.00	No.	26520.00	26520.00	M.R.
12.0	Supplying & laying of 2 X 1.5 Sqmm Armoured Speaker cable in DWC pipe in ground etc as required.	2000.00	Metres	43.00	86000.00	M.R.
13.0	Supply, Installation, testing and commissioning of IP55 water proof junction boxes complete as required.	120.00	Nos.	1137.00	136440.00	M.R.
	Total				6886730.00	
	Add Labour cess@	1.00%			68867.00	
	Total				6955597.00	

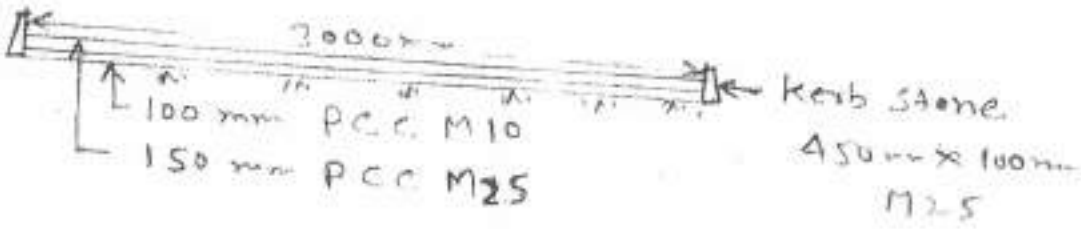
Assistant Engineer-Karnal(Electrical)
O/o SE-Karnal,CPWD,Karnal

-Sd-
EE(E),KED,
CPWD, Karnal

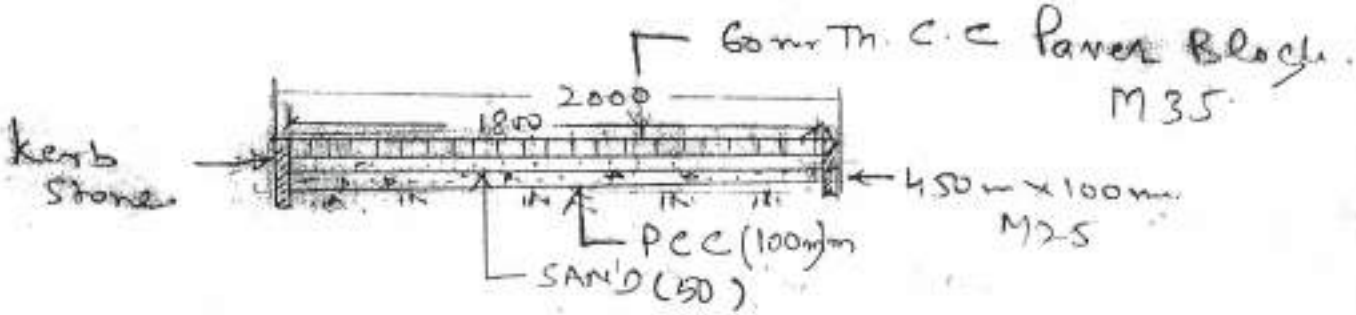


Typical X-Section FOR

FOOT PATH SHED / COVERING.

Associate Dean P&D for (E&C)
National Institute of Technology
Kurukshetra-136119.

X- SECTION FOR CYCLE TRACK.

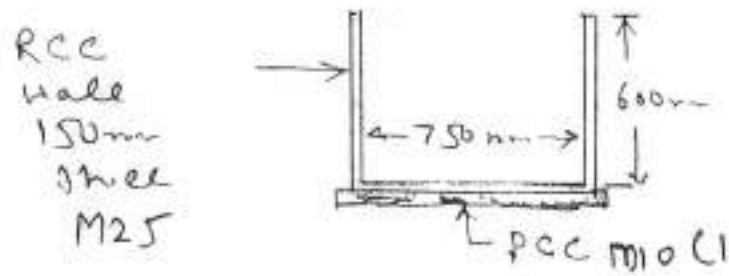
Associate Dean P&D for (E&C)
National Institute of Technology
Kurukshetra-136119.



Typical X-Section of Foothpath.

Note:

* Provision of pipe & manholes be Considered.



TYPICAL SECTION OF DRAIN (RCC)

Associate Dean P&D for (E&C)
National Institute of Technology
Kurukshetra-136119.

2. **To discuss regarding the Preliminary Cost Estimate for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra.**

The Preliminary Cost Estimate of Rs. 6,22,03,800/- received from Superintending Engineer, CPWD, Karnal vide no. 23(NIT-KKR)/SE-Karnal/2023/914-H dated 14.09.2023 for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the Preliminary Cost Estimate of Rs. 6,22,03,800/- may be put up in the ensuing meeting of B&WC for approval.

3 **To discuss regarding the preliminary cum detailed cost estimate for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra.**

The Preliminary cum Detailed Cost Estimate of Rs. 34,68,200/- received from Executive Engineer(Civil), CPWD, Karnal vide no. 20(NIT-KKR)/PS/CD/-Karnal/2023/1509 dated 16.08.2023 for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the Preliminary cum Detailed Cost Estimate of Rs. 34,68,200/- may be put up in the ensuing meeting of B&WC for approval.

The meeting ended with a vote of thanks to the chair.

The minutes of EAC meeting are submitted for kind consideration & approval please.

6.10.23
Faculty I/C (S & C)

6/10/23
Faculty I/C (H & L)

6/10/23
A.E. (Civil) SG-I

6/10/23
Assoc. Dean P&D for (E&C)

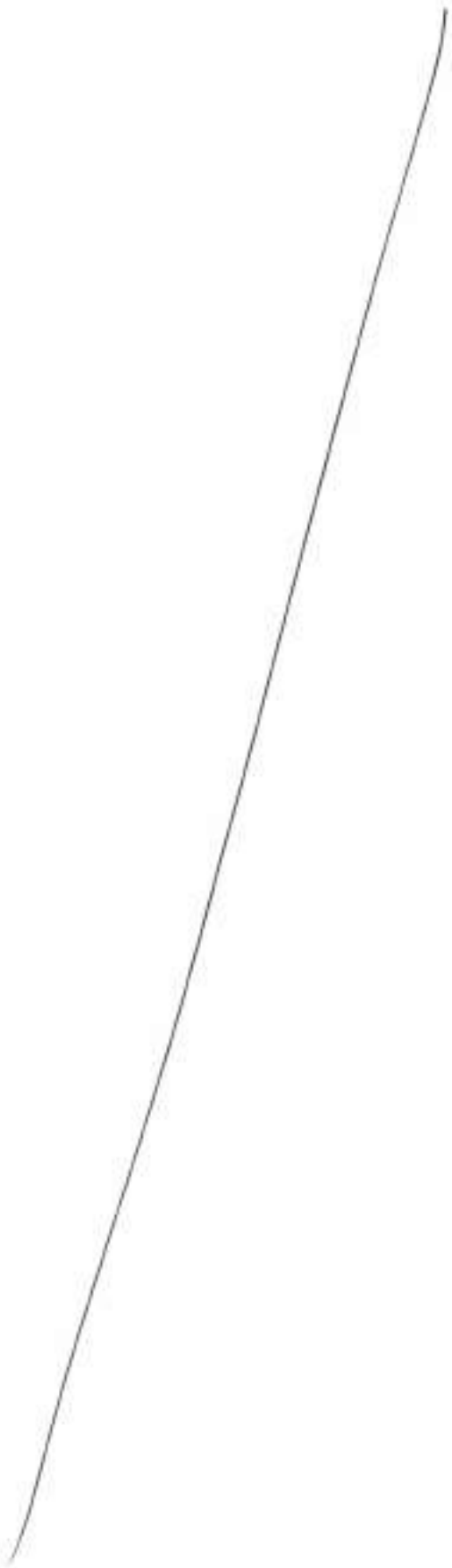
Parvati Bhatia 6/10/23
Prof. Civil Engg. Deptt.

6/10/23
Faculty I/C (EM&T)

6/10/2023
Dean (Estate & Construction)

06/10/23
Registrar I/C

06/10/23
Director



BWC 29.17 To consider and approve the preliminary cum detailed cost estimate for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra.

A letter received from the Security Officer vide no. SO/09/2021/64 dated 29.09.2021 regarding construction of shade of approximate size 10x12 required at Girls Hostel main gate. Accordingly, the work was putup before the Estate Affairs Committee held on 16.03.2022 vide item no.-17. The Estate Affairs Committee resolved that the location for check post alongwith the shed having facility of waiting room for visitors & a toilet block be explored with Security Officer. Further the matter was also discussed in the meeting of Estate Affairs Committee meeting held on 25.05.2022 vide item no.-17 EAC March 2022 under Action Taken. In reference to above decision a letter was sent to Executive Engineer (Civil), CPWD vide no. CC/3506/373/2087 dated 30.06.2022 regarding to submit the cost estimate for the provision of security shade alongwith the provision of wash rooms and waiting room for parents in-front of Girls Hostel complex and back side of Kalpana Chawala Hostel. Further, the matter was discussed in the meeting of Estate Affairs Committee held on 20.07.2022 vide item no.-1(17) EAC May 2022 under Action Taken. In the meeting it was resolved that a letter be sent to CPWD for providing the cost estimate of check post on the back side of Kalpana Chawla Girls Hostel and the cost estimate for the provision of washrooms for ladies & gents and waiting room for visitors/parents towards inside boundary of Alaknanda Bhawan facing the main road near existing barrier along he boundary wall. In reference to the decision of the Estate Affairs Committee meeting a letter was conveyed to Executive Engineer (Civil), CPWD Karnal vide no. CC/3506/518/3667 dated 31.08.2022, copies enclosed as **Appendix 29.17(i) from pages 369 to 374 .**

In response to the above, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate of Rs. 26,61,800/- vide letter no. 20(NIT-KKR)/PS/CD/2023/1112 dated 21.06.2023. After receipt of preliminary cum detailed cost estimate the same was put up before the Estate Affairs Committee meeting held on 18.07.2023 vide item no.-16. In the meeting it is resolved that the cost estimate submitted by CPWD may be put up in the ensuing meeting of B&WC for approval. Further, the Executive Engineer (Civil), CPWD, Karnal again submitted the preliminary cum detailed cost estimate of Rs. 34,68,200/- after inclusion the electrical

cost estimate vide letter no. 20(NIT-KKR/PS/CD/2023/1509 dated 16.08.2023 for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra. The same was discussed in the meeting of Estate Affair Committee, held on 06.10.2023. After detailed discussion the EAC resolved and recommended that the preliminary cost estimate of Rs. 34,68,200/- may be put up in the ensuing meeting of the Building & Works Committee for approval, put up before the Building & Works Committee for approval, copies enclosed as **Appendix 29.17 (ii) from pages 375 to 387**.

The Building & Works Committee may *consider and approve the preliminary cum detailed cost estimate of Rs. 34,68,200/- for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra.*

Appendix 29.17(i)

ESTATE SECTION
Diary No. 991
Dated 30/09/21

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA -136 119

No.SO/09/2021/64

Dated 29.09.2021

Subject: - Regarding Construction work at security posts.

With reference to letter No.SO/06/2021/33 dated 08.06.21.

That the JE (Civil) visited the sites alongwith security supervisor and discussion held regarding the following:-

1. Security check posts temporary/permanent at main gates of hostel No. 7, 8, 9 & Kalpana Chawla Girl Hostel are required.
2. Bathroom/Washroom are required at KUK Gate side.
3. Sheds of approximate size 10*12 are required at Kirmach Gate No.1 & 2, KUK Gate, Girls Hostel main gate & Kalpana Chawla girl hostel towards south one

Submitted for necessary action please.

29/9/2021
Security Officer

Prof. In-Charge (Estate & Construction)

For Dc (E&C) 01.10.2021

P/W.

As per EAC recommendations the work other than maintenance needs approval from competent authority.

01/10

P/I (E&C)

Pl put up in EAC meeting 01.10.2021

For Dc (E&C) / AE(C)

SS(A) 01/10/2021

5

	v) **Conditions of Hostel no. 1, 2 & 3.** The work of internal & external finishing of hostels was approved by B&WC in its 27th meeting and same will be put up before the ensuing FC & BOG meeting for approval.
	vi) **Additional hostel of 500 capacity must be planned in view of needs in the next few years.** The EAC discussed the matter regarding construction of additional hostel of 500 capacity in view of needs in the next few years. The EAC resolved and recommended that the matter will be discussed with the competent authority of the Institute.
17.	**Provision of a check post of tin sheet shed near the Girls Hostel.** The request received from the Security Officer on dated 19.01.2022 regarding provision of a check post of tin sheet shed near the Girls Hostel was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the location for check post alongwith the shed having facility of waiting room for visitors & a toilet block be explored with Security Officer.
18.	**Any other item:** i) **A request received from the Senior Medical Officer vide letter no. HC/2022/57 dated 23.02.2022 – regarding maintenance/repair works in the Health Centre.** The matter regarding maintenance/repair works in the Health Centre was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Estate Section may prepare the cost estimate for renovation of existing toilet in Health Centre and execute the work accordingly. ii) **A request received from the Prof. I/C Student's Club on dated 23.02.2022 – regarding the provision of sound proofing wall of SAC music room.** The matter regarding the provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. The EAC in principle agreed to provide acoustic treatment & false ceiling in accordance with requisition raised by the Prof. I/C (SAC). Further, the EAC resolved that a request letter may be communicated in this regard to CPWD for providing the cost estimate. iii) **A request received from Dean(Students Welfare) dated 09.03.2022 regarding the locations of the open gym in Boys and Girls hostels** The matter regarding locations of Open Gymnasium in the Boys and Girls Hostel was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the same committee proposed at item No. 10 will work and submit the report.

The meeting ended with vote of thanks to the chair.

The minutes of EAC meeting are submitted for kind consideration & approval please.

28.03.22
Faculty I/C (EM & T)

30/3/22
A.E. (Civil)

30/3/22
A.E. (Elect.)

30.3.22
Professor- I/C (E&C)

Parvatibha 30/3/22
Prof. Civil Engg. Deptt

30/03/22
Faculty I/C (E&C)

30/03/2022
Dean (P&D) & Chairman (EAC)

P&D/108 30/3/2022

REGISTRAR OFFICE
Dy No. 596
30.03.22

30/03/22
Registrar I/C

7/4/22
Director

7.4.2022
Dean (P&D)

7/4/22
Director

Faculty I/C (EM&T)

EAC Minutes of Meeting held on 25.5.2022

Agenda No.	Item	Recommendations of EAC	Action Taken	Decision Taken in the EAC meeting held on 25.05.2022
16 EAC March 2022 (iv)	Issue of fresh water supply in the Hostel no. -11.	The matter regarding fresh water supply in the Hostel No.11 was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that a request letter be communicated to CPWD for submission of cost estimate for the provision of fresh water supply in the Hostel no.-11	A letter sent to Executing Engineer (Civil), CPWD, Karnal vide no. CC/3506/235/1239 dated 13.04.2022 for submission of cost estimate.	A reminder may be sent to CPWD
16 EAC March 2022 (v)	Conditions of Hostel no. 1, 2 & 3.	The work of internal & external finishing of hostels was approved by B&WC in its 27th meeting and same will be put up before the ensuing FC & BOG meeting for approval.	The decision conveyed to Chief Warden (Boys & Girls) vide letter no. CC/3506/229 dated 12.04.2022	No further action required.
16 EAC March 2022 (vi)	Additional hostel of 500 capacity must be planned in view of needs in the next few years.	The EAC discussed the matter regarding construction of additional hostel of 500 capacity in view of needs in the next few years. The EAC resolved and recommended that the matter will be discussed with the competent authority of the Institute.	The matter has been explored by the Estate Section	A meeting may be arranged with the competent authority of the Institute in the 1st week of June, 2022 in view of the additional hostel of 500 capacity
17 EAC March 2022	Provision of a check post of tin sheet shed near the Girls Hostel.	The request received from the Security Officer on dated 19.01.2022 regarding provision of a check post of tin sheet shed near the Girls Hostel was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the location for check post alongwith the shed having facility of waiting room for visitors & a toilet block be explored with Security Officer.	The decision conveyed to Security Officer vide letter no. CC/3506/243 dated 12.04.2022	The cost estimate may be prepared for the provision of security shed alongwith the provision of wash rooms and waiting room for parents in-front of Girls Hostel complex and back side of Kalpana Chawala Hostel & put up in next EAC
18 EAC March 2022 (i)	Any other Item: A request received from the Senior Medical Officer vide letter no. HC/2022/57 dated 23.02.2022 – regarding maintenance/repair works in the Health Centre.	The matter regarding maintenance/repair works in the Health Centre was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the Estate Section may prepare the cost estimate for renovation of existing toilet in Health Centre and execute the work accordingly.	The decision conveyed to A.E (Civil) vide letter no. CC/3506/224 dated 12.04.2022	The work will be executed by Estate Section after procurement of items as per GFR-2017 GOI norms
18 EAC March 2022 (ii)	A request received from the Prof. I/C Student's Club on dated 23.02.2022 – regarding the provision of sound proofing wall of SAC music room.	The matter regarding the provision of sound proofing wall of SAC music room was discussed in the meeting of Estate Affairs Committee. The EAC in principle agreed to provide acoustic treatment & false ceiling in accordance with requisition raised by the Prof. I/C (SAC).	The decision conveyed to Prof. I/C (Students' Club) vide letter no. CC/3506/242 dated 12.04.2022 and a letter also sent to EE (C), CPWD, Karnal vide letter no. CC/3506/241/1234 dated 13.04.2022 regarding to submit the cost estimate. In this regard reply received from A.E (C).	Cost estimate for repairs works along with sound proofing work may be obtained from CPWD

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/373 |2087

Dated 30.06.2022

To

Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India
Karnal – 132001

Subject: Provision of a check post of tin sheet shed near the Girls hostel.
EAC Item No. 1(17)

The competent authority of the Institute desired to make a provision of a check post of tin sheet shed near the Girls hostel.

In this regard it is requested to submit the cost estimate for the provision of security shed alongwith the provision of wash rooms and waiting room for parents in-front of Girls Hostel complex and back side of Kalpana Chawala Hostel so that an early action may be taken accordingly.

This is for information and further necessary action please.

29.6.2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Security Officer
5. Assistant Engineer (Civil)
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office

EAC Minutes of meeting held on 20.07.2022

Agenda No.	Item	Recommendations of EAC	Action Taken	Decision Taken in the meeting held on 20.07.2022
1(17) EAC May 2022	Provision of a check post of tin sheet shed near the Girls Hostel	The cost estimate may be prepared for the provision of security shed alongwith the provision of wash rooms and waiting room for parents in-front of Girls hostel complex and back side of Kalpana Chawla Hostel & put up in next EAC.	A letter has been sent to CPWD vide no. CC/3506/373/2087 dated 30.06.2022. Cost estimate is awaited from the CPWD.	A reminder be sent to CPWD for providing the cost estimate of check post on the back side of Kalpana Chawla Girls Hostel and the cost estimate for the provision of washrooms for ladies & gents and waiting room for visitors/parents towards inside boundary of Alaknanda Bhawan facing the main road near existing barrier along the boundary wall.
1(18) i EAC May 2022	Any other item: A request received from the Senior Medical Officer vide letter no. HC/2022/57 dated 23.02.2022	The work will be executed by the Estate Section after procurement of items as per GFR-2017 GoI norms.	A letter has been sent to A.E. (Civil) to execute the work after procurement of items as per GFR-2017 GoI norms. The Cost Estimate for procurement of the items has already been prepared and work will be executed after procurement of items as per GFR-2017.	The cost estimate of Rs. 2,95,905/- for procurement of items for the renovation of toilets in Health Centre was put up before the committee and purchase case is in process.
1(18) ii EAC May 2022	A request received from Dean (Students Welfare) dated 09.03.2022 regarding the locations of the open gym in Boys and Girls Hostels	The work may be executed by hostel authorities at their own level. If any technical advice is required. The same will be discussed with the Prof. I/C (Phy. Edu.)/Estate Section.	A letter has been sent to Chief Warden (Boys) & Girls vide letter no. CC/3506/385 dated 30.06.2022.	A letter has been sent to Chief Warden (Boys) & Girls vide letter no. CC/3506/385 dated 30.06.2022 regarding installation of open Gym at various locations in the boys & girls hotels at their own level as per the requirements.
4 EAC May 2022	To discuss a request from the Chief Warden (Boys hostel) vide no. CW//DG/2022 /52 dated 14.03.2022, regarding build two more floors on the Hostels no. 7, 8 & 9 to accommodate around 500 more students in this way.	The matter regarding construction of two more floors on the Boys Hostels no. 7, 8 & 9 to accommodate around 500 more students was discussed in the meeting of Estate Affairs Committee. On the basis of a report received from the Consultant M/s. Saakaar Foundation, the EAC resolved and recommended that it is not possible to construct any more floors on the Hostels No. 7, 8 & 9 (copy of letter attached).	As per the observation of the competent authority of the Institute "be revised keeping in view the Hostel Space requirements".	Dean P&D and Chairman of EAC was requested to fix the meeting with the competent authority regarding finalization of Institute Master Layout Plan with the date and time.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA - 136119

No: CC/3506/518 | 7667

Dated 31.08.2022

To

Executive Engineer (Civil)
CPWD, NDRI Campus, Near State Bank of India
Karnal – 132001

Subject: Provision of a check post on the backside of Kalpna Chawla Girls Hostel and Provision of washrooms for ladies & gents and waiting room for visitors/parents towards inside boundary of Alaknanda Bhawan regarding EAC meeting Item No. 1(17) dated 20 07 2022 in the action taken)

The competent authority of the Institute desired to provide a check post on the back side of Kalpna Chawla Girls Hostel and also provision of washrooms for ladies & gents and waiting room for visitors/parents towards inside boundary of Alaknanda Bhawan facing the main road near existing barrier along the boundary wall.

In this regard, it is requested to submit the cost estimate for the above said work so that an early action may be taken accordingly.

This is for information and further necessary action please.

31-08-2022

Prof. I/C (Estate & Construction)

Copy to:

1. AR to Director for kind information of the Hon'ble Director
2. PS to Registrar for information of the Registrar
3. Dean (P&D)
4. Prof. I/C (Security)
5. Assistant Engineer (Civil)
6. Superintending Engineer (Civil), CPWD, Karnal, HAFED Office Building, 2nd Floor, SCO 19-20, Sector-12(Part-I), Karnal-132001
7. Assistant Engineer (Civil), CPWD, Sub-Division, NIT Camp Office, Kurukshetra

CamScanner

ESTATE SECTION
Appendix 29.17 (ii)
Diary No. 1009
Dated 23.06.23

- 375 10/07/23

P/2/(EC)

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.knl.cpwd@nic.in

संख्याः- 20(NIT_KKR)/यो.शा./क.मं/2023/ 1112 दिनांक 21.6.2023

सेवा में,

Prof. I/C (Estate & Construction) 22/6/23
National Institute of Technology
Kurukshetra

A-E/EC-I
Pl. return the drawings also
AE(C)/EA 10/7/2023

विषय : **Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana.**

संदर्भ : आपका पत्र सं० CC/3506/518/3667 दिनांक 31.08.2022

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रुपये 26,61,800/- है आपके कार्यालय से प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू संलग्न है।

कार्य की आवश्यकता और अनुमान के प्रावधानों को रिपोर्ट में दर्शाया गया है। अतः आपसे अनुरोध है कि कार्य की मंजुरी भेजते समय "लेखा शीर्ष" जिसके अंतर्गत व्यय किया जाना है, सूचित किया जाए तथा अनुमोदित प्राक्कलन की एक प्रति भी संलग्न करें।

भवदीय,
21/06/2023
(देवेन्द्र सिंह)
कार्यपालक अभियन्ता-करनाल

संलग्न : उपरोक्तानुसार।

प्रतिलिपि :-

1. सहायक अभियंता, कुरुक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को उनके पत्र सं० 24(8)/स.ई./कु.उ.म./2023/122 दिनांक 13.06.2023 के संदर्भ में सूचनार्थ प्रेषित है।

कार्यपालक अभियन्ता-करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: KKR**

NAME OF WORK: **Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana.**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer, Kurukshetra Sub Division and further processed in Karnal Division, CPWD, Karnal for the probable cost of **Rs. 26,61,800/-.**

History: This preliminary cum detailed estimate amounting to **Rs. 26,61,800/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **client department** vide letter **No. CC/3506/518/3667 Dated 31.08.2022.** Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **The Following provision has been made in this estimate as per drawing/sketch provided by NIT authorities on dated 09.06.2023 for civil work**

1. RCC Framed structure - Plinth area 61 Sqm with floor height 3.60 mtr for visitor's waiting room including ladies, gents and security check post
2. Provision of internal water supply and sanitary installation
3. Demolishing of existing boundary wall, shifting of barrier, shed for security guard, Provision of CC paver including kerb stone, storm water drain and sewer line

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.

5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Based on **PAR – 2021** rates.

Method: Through contract after call of tender.

Time: **120 Days (After receipt of A/A & E/S and sufficient availability of the fund whichever is later)**

Cost: **Rs. 26,61,800/- i/c contingencies.**

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

21-6-2023

Sr. Draughts Man	Assistant Engineer (P)	Executive Engineer-Karnal
CPWD, Karnal	CPWD, Karnal	CPWD, Karnal

Preliminary Estimate

Name of work :- Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana.

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.	
1	BUILDING COST (Specifications as per Annexure-I)					1	
1.1	R.C.C. framed structure (upto six storeys)					1.1	
1.1.1	Floor height 3.60mtr. (Office/College)	61.00	sq.mtr.	27090.00	1652490.00	1.1.1	SR
1.2	EXTRA FOR					1.3	
1.2.1	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	61.00	sq.mtr.	200.00	12200.00	1.3.4	SR
	Sub-Total				**1664690.00**		
2	SERVICES					2	
2.1	Internal water supply & sanitary installations					2.1	
2.1.1	Internal water supply & sanitary installations. (Hostel with attached toilet)	1652490.00	100 B.cost	12.00	198299.00	2.1.4	SR
	Sub-Total				**198299.00**		
3	DEVELOPMENT OF SITE					5	
3.1	Internal roads & paths					5.2	
3.1.1	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	40.00	sq.mtr.	2600.00	104000.00	5.2.4	SR
3.2	External Sewerage	54.00	metre	3350.00	180900.00	5.3	SR
3.3	Shed for Secuirty Guard.	1.00	L.S.	50000.00	50000.00	5.500	MR
3.4	Demolishing of boundary wall & shifting of barrier.	1.00	L.S.	100000.00	100000.00	5.501	MR
	Sub-Total				**434900.00**		
	Total				**2297889.00**		
	Add Add GST @ 6.33% (18% in place of 12% factor) As Per OM No.SE/TAS/GST/20 Dated 10.08.2022 @6.33% on 2,458,741.23				145456.00		
	Total				**2443345.00**		
	Add Contingencies @5%				122167.00		
	Add EPF & ESIC @3.94%				96268.00		
	Grand Total				**2661780.00**		
	Say				**26,61,800/-**		

21-1-23

Sr. Draughts Man
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

EAC minutes of Meeting 379 held on 18.07.2023

11. **To discuss a request received from Sumit Singh, Walk In Cafe through Chief Warden (Hostels) on 11.04.2023 regarding permission for Electricity & Water supply connection for canteen in the Hostel No.-4 near Apollo Canteen.**

A request received from Sumit Singh, Walk In Cafe through Chief Warden (Hostels) on 11.04.2023 regarding permission for Electricity & Water supply connection for canteen in the Hostel No.-4 near Apollo Canteen was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the electricity & water supply connection has already been provided by the Hostels, so no further action is required by the Estate Section.

12. **To discuss a request received from Prof. I/C (Phy.Edu & Sports) vide no. PESS/23/125 dated 03.05.2023 regarding construction of a new iron gate in front of Swimming Pool Stairs.**

A request received from Prof. I/C (Phy.Edu & Sports) vide no. PESS/23/125 dated 03.05.2023 regarding construction of a new iron gate in front of Swimming Pool Stairs was discussed in the meeting of Estate Affairs Committee, in the meeting it is apprised that a visit has already been done at site, during visit a decision has been taken to close one side access to first floor/sitting area and provision of restricted access from the other side. EAC resolved that the decision taken to be implemented by the Estate Section.

13. **To discuss a request received from HoD, MED vide no. MED/23/1042 dated 08.05.2023 regarding requirement of Door Closer in MoM Lab.**

A request received from HoD, MED vide no. MED/23/1042 dated 08.05.2023 regarding requirement of Door Closer in MoM Lab was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that as the air conditioner installed in most of the all Offices/Labs/Class Rooms, so the requirement of door closer is necessary to maintain the temperature in the Offices/Labs/Class Rooms. Further, it was also resolved that the door closer may be a part of inventory of the Estate Section so as may be used based on the request received.

14. **To discuss the request received from Dean (R&C) vide no. Dean (R&C)/23/105 dated 03.06.2023 regarding replacement of partition between office of Dean (R&C) and TEQIP office with appropriate alternate solution.**

A request received from Dean (R&C) vide no. Dean (R&C)/23/105 dated 03.06.2023 regarding replacement of partition between office of Dean (R&C) and TEQIP office with appropriate alternate solution was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the permanent/puff-panel partitioning may be provided as per requirement to sort out the issue. Further, the work may be completed by the Estate Section.

15. **To discuss regarding the cost estimate of Rs. 6,55,071/- prepared by Estate Section for the provision of parking for four wheelers as well as parking for two wheelers (Bicycles) on the East side of House No. BB-16.**

The cost estimate of Rs. 6,55,071/- prepared by Estate Section for the provision of parking for four wheelers as well as parking for two wheelers (Bicycles) on the East side of House No. BB-16 was discussed in the meeting of Estate Affairs Committee. The EAC resolved and recommended that the cost estimate of Rs. 6,55,071/- may be put up in the ensuing meeting of B&WC for approval.

16. **To discuss the preliminary cost estimate of Rs. 26,61,800/- received form Executive Engineer (Civil), CPWD, Karnal vide no. 20(NIT-KKR)/PS/CD/2023/1112 dated 21.06.2023 for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan.**

The preliminary cost estimate of Rs. 26,61,800/- received form Executive Engineer (Civil), CPWD, Karnal vide no. 20(NIT-KKR)/PS/CD/2023/1112 dated 21.06.2023 for the provision of washrooms for ladies & gents and waiting room

Contd.... P/4

ESTATE SECTION
Diary No. 1380
Dated 18/8/23

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT

कार्यालय कार्यपालक अभियंता
केन्द्रीय लोक निर्माण विभाग,
एन.डी.आर.आई कैम्पस, नजदीक स्टेट बैंक आफ इंडिया, करनाल -132001

Office of the Executive Engineer,
Central Public Works Department,
NDRI Campus, Near State Bank of India,
Karnal-132001. E-mail : eekcd.kni.cpwd@nic.in

संख्याः- 20(NIT_KKR)/यो.शा./क.मं/2023/ 1509 दिनांक 16/8/23

सेवा में,

Prof. I/C (Estate & Construction)
National Institute of Technology
Kurukshetra

विषय : Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana (Civil + Electrical).

संदर्भ : आपका पत्र सं० CC/3506/518/3667 दिनांक 31.08.2022

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रुपये 26,61,800/- थी, आपके कार्यालय में इस कार्यालय के पत्र सं० 20(NIT_KKR)/यो.शा./क.मं/2023/1112 दिनांक 21.06.2023 द्वारा केवल सिविल कार्य की प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू भेजा गया था।
अब वैद्युत कार्य का प्रारम्भिक अनुमान प्राप्त होने के बाद दोनो को (सिविल + वैद्युत) दोनो को जोड़कर, जिसकी अनुमानित लागत रुपये 34,68,200/- है आपके कार्यालय में पुनः प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू संलग्न है।
कार्य की आवश्यकता और अनुमान के प्रावधानों को रिपोर्ट में दर्शाया गया है।
अतः आपसे अनुरोध है कि कार्य की मंजुरी भेजते समय "लेखा शीर्ष" जिसके अतंर्गत व्यय किया जाना है, सूचित किया जाए तथा अनुमोदित प्राक्कलन की एक प्रति भी संलग्न करें।

भवदीय,
16/08/2023
(देवेन्द्र सिंह)
कार्यपालक अभियन्ता-करनाल

संलग्न : उपरोक्तानुसार।

प्रतिलिपि :-

1. कार्यपालक अभियंता (वै.), करनाल वैद्युत मण्डल, के.लो.नि.वि, करनाल को उनके कार्यालय के पत्र सं० 863 दिनांक 23.06.2023 के संदर्भ में सूचनार्थ हेतु प्रेषित है।
2. सहायक अभियंता, कुरुक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को उनके पत्र सं० 24(8)/स.ई./कु.उ.म./2023/122 दिनांक 13.06.2023 के संदर्भ में सूचनार्थ प्रेषित है।

कार्यपालक अभियन्ता-करनाल

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal**
Branch: B & R **Sub-Division: KKR**

NAME OF WORK: **Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana. (Civil + Electrical)**

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Suresh Kumar, Assistant Engineer (C), Assistant Engineer (Electrical) Kurukshetra Sub Division, Executive Engineer (Elect.) and further processed in the O/o Executive Engineer (Civil), Karnal Division, CPWD, Karnal for the probable cost of **Rs. 34,68,200/-**.

History: This preliminary cum detailed estimate amounting to **Rs. 34,68,200/-** i/c 5% contingencies has been framed to cover the probable cost of the above mentioned work and for obtaining A/A & E/S by the competent authority. The requisition of the above mentioned work has been received from **client department** vide letter **No. CC/3506/518/3667 Dated 31.08.2022.** Hence this preliminary cum detailed estimate has been prepared.

Design & Scope: **The Following provision has been made in this estimate as per drawing/sketch provided by NIT authorities on dated 09.06.2023 for**

Civil work:-

1. RCC Framed structure - Plinth area 61 Sqm with floor height 3.60 mtr for visitor's waiting room including ladies, gents and security check post
2. Provision of internal water supply and sanitary installation
3. Demolishing of existing boundary wall, shifting of barrier, shed for security guard, Provision of CC paver including kerb stone, storm water drain and sewer line

Electrical work:-

1. Wiring for light point/ fan point/ exhaust fan point/ call bell point
2. Provision for Light plug/Power Plug.
3. 1200 mm sweep, BEE 5 star rated, ceiling fan with regulator.
4. 2X2 LED Fitting.
5. LED Down lighter.
6. Mirror light.
7. Flood light with suitable size SMC Junction Box.
8. Exhaust Fan 300 mm sweep
9. 1.5 TR Split AC.
10. 80/120 Litre water cooler
11. 3.5 X 35 sq. mm Aluminium cable with HDPE Pipe i/c necessary earthing.

Specification: Work shall be carried out as per CPWD Specification 2019 Vol. I & II with up to date correction slip shall be followed.

Obligations of the client department

1. CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.

2. The client shall deposit 10% amount of the A/A & E/S well in advance before tender process by the CPWD.
3. Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
4. The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/abandon the work. In such eventuality, the client department shall be solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
5. Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payment made to the contractors for execution of work.
6. The client department will help CPWD in :-

a) Providing site for labour huts for the contractor's labour free of cost.
b) Providing free access to contractor's material and labour to the site of work.
c) Providing electricity connection for execution of work on payment of usual charges, and
d) Sanction and release of load from the concerned Electricity Board/Authority.

T & P: Shall be arranged by the contractor.

WC Establishment: Shall be met out of contingencies.

Land: Available with client department.

Rate: Based on **PAR – 2021** rates.

Method: Through contract after call of tender.

Time: **120 Days (After receipt of A/A & E/S and sufficient availability of the fund whichever is later)**

Cost: **Rs. 34,68,200/- l/c contingencies.**

Note:- The cost and time of the project is liable to revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specifications etc., if so desired by the client at a later date. The execution of the work will depend upon the receipt of the funds through authorization or through allocation well in time during the financial years.
This preliminary estimate submitted by CPWD is valid upto one year from the date of submission of preliminary estimate.

Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

GENERAL ABSTRACT OF COST

Name of Work :-	Providing and fixing of aluminum & glass chambers and R.C.C. slabs with granite topping, flooring and wall tilling for creating new space for new equipments of lab (Civil & Electrical) at ABT Division ICAR-NDRI, Karnal, Haryana. (Civil + Electrical)			
SL. No	**Description**		**Total Amount**	**Annexure**
1	SH: Civil Provision		2297889.00	Annexure - 'A'
2	SH: Electrical Provision		696216.00	Annexure - 'B'
	TOTAL		**2994105.00**	
	Add 6.33% extra GST as per recent order of GOI dated 13.07.2022 received vide No.SE/TAS/ GST/20/331 Dated 10.08.2022		189527.00	
	TOTAL		**3183632.00**	(X)
	Add Contingencies @ 5%	5.00%	159182.00	
	Add EPF & ESIC @ 3.94%	3.94%	125435.00	
	GRAND TOTAL		**3468249.00**	
	Say Rs. =		**34,68,200/-**	

Sr. D/Man | **AE (P)** CPWD, Karnal | **Executive Engineer** CPWD, Karnal

Preliminary Estimate

Name of work :- Provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan at NIT Kurukshetra, Haryana.

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.	
1	BUILDING COST (Specifications as per Annexure-I)					1	
1.1	R.C.C. framed structure (upto six storeys)					1.1	
1.1.1	Floor height 3.60mtr. (Office/College)	61.00	sq.mtr.	27090.00	1652490.00	1.1.1	SR
1.2	EXTRA FOR					1.3	
1.2.1	Every 0.3mtr. or part thereof, deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	61.00	sq.mtr.	200.00	12200.00	1.3.4	SR
	Sub-Total				1664690.00		
2	SERVICES					2	
2.1	Internal water supply & sanitary installations					2.1	
2.1.1	Internal water supply & sanitary installations. (Hostel with attached toilet)	1652490.00	100 B.cost	12.00	198299.00	2.1.4	SR
	Sub-Total				198299.00		
3	DEVELOPMENT OF SITE					5	
3.1	Internal roads & paths					5.2	
3.1.1	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	40.00	sq.mtr.	2600.00	104000.00	5.2.4	SR
3.2	External Sewerage	54.00	metre	3350.00	180900.00	5.3	SR
3.3	Shed for Secuirty Guard.	1.00	L.S.	50000.00	50000.00	5.500	MR
3.4	Demolishing of boundary wall & shifting of barrier.	1.00	L.S.	100000.00	100000.00	5.501	MR
	Sub-Total				434900.00		
	Total				2297889.00		

Sr. Draughts Man
CPWD, Karnal

Assistant Engineer (P)
CPWD, Karnal

Executive Engineer-Karnal
CPWD, Karnal

Annexure - 'B'

PRELIMINARY ESTIMATE

Name of Work:-Providing and fixing of aluminum & glass chambers and R.C.C. slabs with granite topping, flooring and wall tilling for creating new space for new equipments of lab (Civil & Electrical) at ABT Division ICAR-NDRI, Karnal, Haryana. (Electrical)

Sr.No.	Description of item	Qty		Rate	Unit	Amount	Remarks
1.0	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.						1.3
1.1	Group C	29	Points	1845.00	Point	53505.00	1.3.3
2.0	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.						1.54
2.1	Group C	3	Points	1094.00	Point	3282.00	1.54.3
3.0	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required						1.7
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50	Metres	327.00	Metre	16350.00	1.7.1
3.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	200	Metres	428.00	Metre	85600.00	1.7.3
3.3	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	30	Metres	589.00	Metre	17670.00	1.7.4
4.0	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	8	Nos.	477.00	Each	3816.00	1.31
5.0	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	6	Nos.	586.00	Each	3516.00	1.32
6.0	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	2	Nos.	727.00	Each	1454.00	1.57
7.0	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)						2.4
7.1	4 way (4 + 12), Double door	1	No.	4091.00	Each	4091.00	2.4.1
8.0	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.						2.10
8.1	Single pole	12	Nos.	256.00	Each	3072.00	2.10.1
9.0	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.						2.13
9.1	63 amps	1	No.	1034.00	Each	1034.00	2.13.2
10.0	Supplying, Instalation, Testing & commisioning of 2 X 2 surface/recess LED Fitting, LED Downlighter, Mirror Light i/c connection etc as required.	1	Job	69900.00		69900.00	MR
11.0	Supplying, Instalation, Testing & commisioning of suitable size LED Flood light with suitable size SMC Junction Box i/c connection comeplete etc as required.	4	Nos.	12000.00	Each	48000.00	L/S
12.0	Supply, Installation, Testing and Commissioning of 1200 mm sweep BLDC ceiling fan i/c regulator complete etc as required.	7	Nos.	3099.00	Each	21693.00	MR/DSR
13.0	Supplying and fixing of 300mm Heavy duty Exhaust Fan including connections, testing and commissioning complete as required.	3	Nos.	4000.00	Each	12000.00	L/S
14.0	Supplying ,Installation, testing & commissioning of 1.5 TR invertor type Split Air Conditioner 5 Star rating (as per BEE) Suitable for 230 volt 50 HZ single phase AC Supply with LED/LCD Display comprising indoor & outdoor unit complete with all accessories complete etc as required.	2	Nos.	60000.00	Each	120000.00	L/S

Sr.No.	Description of item	Qty		Rate	Unit	Amount	Remarks
15.0	Supplying, Installation, Testing & Commisstioning of Storage Water Cooler Cum Purifier with minimum or higher 120 Litre Storage and 80 Litre Cooling having inbuilt Seven Stage Reverse Osmosis purification System complete etc as required.	1	No.	120000.00	Each	120000.00	L/S
16.0	Supplying & laying of 3.5 X 35 sq. mm XLPE Aluminium armoured power cable with suitable size HDPE Pipe I/c connection complete etc as required.	1	Job			90000.00	L/S
17	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2	No.	6855.00	Each	13710.00	5.2
18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	15	Metres	42.00	Metre	630.00	5.18
	Total					689323.00	
	Add Labour cess @	1.00%				6893.00	
	Total					696216.00	

sd/-
Sr. D/m

sd/-
AE(E)-P

sd/-
EE(E),KED,
CPWD, Karnal

2. **To discuss regarding the Preliminary Cost Estimate for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra.**

The Preliminary Cost Estimate of Rs. 6,22,03,800/- received from Superintending Engineer, CPWD, Karnal vide no. 23(NIT-KKR)/SE-Karnal/2023/914-H dated 14.09.2023 for the work of Provision of cycle track & footpath with covering, piped music & lighting etc. from main Gate along Kirmich Road to NIT Chowk and from Main Gate towards KUK to Girls Hostel alongwith the provision of footpath parallel to the main road towards Golden Jubilee Administrative Building from Chowk near Hostel No-4 to NIT Chowk at NIT Kurukshetra was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the Preliminary Cost Estimate of Rs. 6,22,03,800/- may be put up in the ensuing meeting of B&WC for approval.

3 **To discuss regarding the preliminary cum detailed cost estimate for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra.**

The Preliminary cum Detailed Cost Estimate of Rs. 34,68,200/- received from Executive Engineer(Civil), CPWD, Karnal vide no. 20(NIT-KKR)/PS/CD/-Karnal/2023/1509 dated 16.08.2023 for the provision of washrooms for ladies & gents and waiting room for visitor/parents towards inside boundary wall of Bhagirathi Bhawan (Civil + Electrical) at NIT Kurukshetra was discussed in the meeting of Estate Affairs Committee. After detailed discussion, the EAC resolved and recommended that the Preliminary cum Detailed Cost Estimate of Rs. 34,68,200/- may be put up in the ensuing meeting of B&WC for approval.

The meeting ended with a vote of thanks to the chair.

The minutes of EAC meeting are submitted for kind consideration & approval please,

Faculty I/C (S & C) | Faculty I/C (H & L) | A.E. (Civil) SG-I

Assoc. Dean P&D for (E&C) | Prof. Civil Engg. Deptt. | Faculty I/C (EM&T)

Dean (Estate & Construction)

Registrar I/C

Director