AGENDA FOR 26TH MEETING OF BUILDING & WORKS COMMITTEE

VENUE: BOARD ROOM

GOLDEN JUBLIEE ADMINISTRATIVE BUILDING

NATIONAL INSTITUTE OF TECHNOLOGY

KURUKSHETRA

DAY : TUESDAY

DATE : 25.02.2020

TIME : 11.00 AM

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

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MEMBERS OF BUILDING AND WORKS COMMITTEE 1. Dr. Satish Kumar Chairman Director. National Institute of Technology, Kurukshetra Nominee of the Central Government Member 2. On the B & WC of the Institute, (to be nominated by the MHRD) **Through** Director (NITs), Deptt. of Higher Education, M.H.R.D., Shastri Bhawan, New Delhi-110001 Member 3. 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 Prof. A. Swarup 4. Dean (Planning & Development) National Institute of Technology, Kurukshetra Member Er. Rajeshwar Tyagi 5. Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001 Member 6. Er. Prashant Agarwal Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001 **Special Invitee** 7. Prof. S. M. Gupta Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra. 8. Dr. Sandeep Kakran Special Invitee Faculty- in- Charge (Elect. Mtc & Telephone) National Institute of Technology, Kurukshetra. Sh. S.N. Kaushik, **Special Invitee** 9. Assistant Engineer (Civil) National Institute of Technology, Kurukshetra

Member-Secretary

Prof. Surinder Deswal

National Institute of Technology,

Registrar-Incharge

Kurukshetra

10.

BWC 26.1 To confirm the minutes of 25th meeting of Building & Works Committee held on 27.05.2019.

The minutes of the 25th meeting of Building & Works Committee held on 27.05.2019 were circulated amongst the members vide letter No. NIT/25th BWC/3321 dated 03.06.2019. No comments were received from any member. The minutes are enclosed as Annexure from page 2 to 12.

The minutes may please be confirmed.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA-136119

Minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

1. Dr. Satish Kumar

Chairman

Director, National Institute of Technology, Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology, Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001

5. Er. C.J. Pasrija

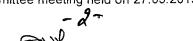
Member

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

6. Prof. S. M. Gupta

Special Invitee

Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra.







7. Dr. Aiedapu Mahesh

Faculty- in- Charge (Elect. Mtc & Telephone) National Institute of Technology, Kurukshetra

Special Invitee

8. Er. S.N. Kaushik,

Assistant Engineer (Civil) National Institute of Technology, Kurukshetra

Special Invitee

9. Prof. Surinder Deswal

> Registrar-Incharge National Institute of Technology, Kurukshetra

Member-Secretary

Nominee of the Central Government on the B&WC of the Institute, Deptt. of Higher Education M.H.R.D., Shastri Bhawan New Delhi-110001 could not attend the meeting.

Before the start of the deliberations, the Registrar on behalf of Hon'ble Director and Chairman Building & Works Committee welcomed all the members present in the meeting. The Chairman, B&WC also extended warm welcome to the new members on B&WC of the Institute Sh. Rajeshwar Tyagi, Executive Engineer (Electrical), Karnal Central, Elect. Division and Sh. C.J. Pasrija, Executive Engineer, (Civil), Karnal Central Division from CPWD. At the outset the Chairman B&WC informed and apprised the members regarding the progress of ongoing construction works being executed by CPWD at NIT, Kurukshetra.

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

BWC 25.1 To confirm the minutes of 24th meeting of Building & Works Committee held on 06.03.2018.

> The minutes of the 24rd meeting of Building & Works Committee held on 06.03.2018 circulated amongst the members vide letter No. NIT/24th BWC/1434 dated 26.03.2018 were confirmed.

Minutes of 25th Building & Works Committee meeting held on 27.05.2019



BWC 25.2 To report the action taken on the minutes of the 24th meeting of the Building & Works Committee held on 06.03.2018.

> The B&WC noted the action taken on minutes of the 24th meeting of the Building & Works Committee held on 06.03.2018. The following points were discussed on the action taken report:

- BWC 24.2/ BWC 19.2 (16.4): The work of Installation of HT/LT Substation including feeder pillar in residential area is pending. During discussion the Executive Engineer (Electrical) CPWD apprised about the status of the work that the final hearing in arbitration case has been completed and final decision is awaited which is expected to be received in the month of June, 2019. The installation of online metering system is to be completed on priority.
- BWC 19.2 (16.11): The work of replacement of existing electrical wiring in instructional building is completed and inventory has been received. The final bill and final Utilisation Certificate is awaited. The Executive Engineer (Elect.) apprised that the same will be provided to the Institute by 30th June 2019.
- BWC. 21.4: The work of 300 seater multi-purpose boys hostel was discussed and the Executive Engineer (Civil), CPWD apprised that the final utilisation certificate alongwith a copy of final bill will be submitted by 30th June, 2019.
- BWC 22.10: The B&WC asked the status regarding the check list for the persons disabilities (PwD) as per Government of India norms. The CPWD apprised that the check list has not been provided so far. After detailed discussion the B&WC resolved that the building wise requirement be explored as per check list. (As per Government of India norms regarding the facilities for the persons with disabilities (PwD) except installation of lifts). Further it was also resolved that the revised requirement for installation of lifts in the various departments be explored as and when the check list is received.

Accordingly, the CPWD will submit the revised cost estimate alongwith parameters in this regard, if required and the case would be processed. A letter may also be written to CPWD regarding the check list and submission of cost estimate for installation of lifts as per site

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requirement after visiting the various departments in consultation with the Institute.

- BWC 23.6, 23.8 &23.9: No further action is required as the 35th FC declined to consider these works.
- BWC 23.10: In the light of the decision of Finance Committee for the provisions of GFRs 2017 applicable to autonomous bodies may be adopted by the Institute regarding delegation of powers to Director & Chairman, Building & Works Committee for original / minor /repairs works. In this regard, the detailed reply alongwith reminders has already been sent to MHRD. No response in this regard has been received from Ministry so far.
- BWC 24.3 The Building and Works Committee was apprised that the administrative approval and expenditure sanction for the provision of additional floor by providing Pre-feb construction with the provision of air-conditioning, lifts and staircase etc. over the Old MBA/New Workshop Building and special repairs & maintenance for Ground Floor and first floor as per the requirement of Centre of Excellence in the existing workshop building for heavy machinery has already been conveyed to CPWD. During discussion the Executive Engineer, CPWD intimated that the tendering work is in process.

Further, it was desired that monitoring meeting in this regard will be held with the Superintendent Engineer (Civil), CPWD on regular basis.

BWC 24.4 The B&WC discussed the matter in detail and asked to update the status of the work of Additional Floor over the MBA/MCA building. It was apprised that the 37th FC meeting vide No. 37.32(2) held on 4.06.2018 it was decided that the construction of additional floor under this work is to be carried out as conventional permanent construction instead of pre-fab construction and subsequently approved in the 45th BOG Meeting vide item No. 45.31 held on 4.06.2018. In view of this a Committee under the chairmanship of Sh. A K Singhal, Director General (Retd.), CPWD was constituted by the Hon'ble Director and Chairman B&WC for analysis of structural design, drawings and vetting etc. for the proposed structure. committee met on 28,12,2018 and decided that the earlier architect

Minutes of 25th Building & Works Committee meeting held on 27.05.2019



who supplied the structural design and drawings of the existing building be engaged to supply the structural design and drawings including vetting for the proposed structure at 2nd floor of MBA/MCA Block for permanent construction instead of temporary structure. After approval of the competent authority, earlier architect engaged for rendering the services to supply the structural design and drawings including vetting as required by CPWD and the work should be completed within the cost estimate already approved by FC & BOG. The architect has supplied the structural design & drawings and the vetting is in process.

The B&WC resolved that the matter may be expedited with the architect to supply the vetted structural design and drawing, so that the same may be put up before the committee for recommendations to the competent authority. Further, it was also resolved that the vetted structural design and drawings shall be sent to CPWD for execution of the work and Chairman B&WC was authorised to approve the recommendations of the Committee.

• BWC 24.5 The B&WC was apprised regarding Institute Master Plan that the A/A & E/S of this work was conveyed to CPWD in the month of January - 2013 with an estimated amount of Rs. 31.00 lacs. The payment of Rs. 5.11 lacs of A/A & E/S was also transferred to CPWD in the month of Feburary-2013. The Chief Architect, CPWD informed by Dean (Estate) vide letter No. CC/289/112575 dated 9/10/12.2013 regarding development/construction works and existing facilities, future requirement of residential, non-residential and sports amenities. The space for various newly planned building in future for finalization of Master Plan for the Institute.

Further the Chief Architect, CPWD allotted the work to the Principal Chandigarh College of Architecture vide letter No. CA-NR-1/501/2014/977 dated 16.10.2014 regarding to submit comprehensive preliminary design of the Master Plan re-development plan of NIT, Kurukshetra. The Chief Architect, CPWD submitted the preliminary conceptual Master Plan and re-development Master Plan of NIT, Kurukshetra for comments /approval. Further, in

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this regard, the presentations were made by the Chief Architect CPWD in the Board Room of Golden Jubilee Administrative Buildings in the presence of Dean (P&D), Dean (Estate), all Professor In-charges and other officials of Estate Section on 10.07.14. In view of the above presentations, the matter regarding preparation of Institute Master Plan was discussed in the meeting of Estate Affairs Committee held 24.07.2015. During discussion the committee discussed on the various issues regarding future space requirement to incorporate in the Master Plan. The proposed points of the Committee were communicated to Chief Architect, CPWD vide letter Nos. CC/3506/148/6052 dated 18.11.15 and CC/3506/54/379 dated 27.01.2016.

In response to the above requirements the Chief Architect, CPWD sent one set of revised Development Master Plan and Compliance Table was received from Chief Architect, CPWD, Chandigarh vide letter No, CA-NR-I/501/2016/373 dated 17.06.2016. Further, The Committee duly constituted by competent authority of the Institute under the Chairmanship of Chief Architect, Chandigarh communicated vide letter No. EO/734/5911 dated 21/22.11.2017. The Comments of the Committee in this regard are awaited. Since November -2017 no meeting was held with the Chief Architect, Chandigarh.

In view of the facts as explained above the B&WC resolved that Chief Engineer, CPWD (NZ-I), Chandigarh may be requested to expedite regarding the preparation of Master Plan of the Institute within three months positively i.e. upto August 2019, failing which the A/A & E/S of this work would be withdrawn from CPWD. The CPWD may be asked to transfer the funds of Rs. 5.11 lacs back to the Institute with interest which has already been transferred by the Institute to the Executive Engineer(Civil), Karnal, CPWD.

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BWC 25.3 To consider and approve the cost estimates for 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.

The BWC noted that most of the buildings were constructed during the years 1970 and 80's. After detailed deliberations the BWC approved the cost estimate with an amount of Rs. 1,42,15,862/- for providing and fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. as special repairs & maintenance in the various departments of the Institute as per the detail furnished in the Agenda Item.

BWC 25.4 To consider and approve the cost estimate for the 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.

The BWC noted that year of construction and subsequent maintenance of the hostels & staff quarters/houses and after detailed discussion approved the cost estimate with an amount of Rs. 11,07,24,672/- for distempering and painting being special repairs & maintenance in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses in the Institute, as per the detail furnished in the Agenda Item.

BWC 25.5 To consider and approve the cost estimate for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 74,13,100/- for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex & MBA/MCA and upto the road towards south side of LHC and MBA/MCA buildings of the Institute.

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BWC 25.6 To consider and approve the cost estimate for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 1,01,24,100/- for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus of the Institute.

BWC 25.7 To consider and approve the detailed Cost Estimate 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.

The Building and Works Committee noted that this work i.e. cement concrete pavement was constructed about 30 years back which has been deteriorated significantly. After detailed deliberations, the B&WC decided that the while carrying out the special repairs & maintenance the existing pavements be used as base course which saves the cost of concrete. It was further resolved that the proper drainage along the road be ensured as per site requirement to avoid stagnation of water on the surface of concrete road after construction as preventive maintenance.

In view of the above the B&WC approved the cost estimate with an amount of Rs. 87,13,400/- for special repairs and maintenance (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 of the Institute.

BWC 25.8 To consider and approve the detailed Cost Estimate for re-carpeting of various roads in the Institutional and Hostel areas.

The BWC noted that the repair & maintenance (re-carpeting) of the proposed roads was last carried out in 2011 about 4500 mtrs. and 2013 about 2500 mtrs. Of the total road length of about 7000 mtrs.

In view of this, the Building and Works Committee approved the cost

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estimate with an amount of Rs. 1,11,15,900/- for repair & maintenance (recarpeting) of roads in the Institutional and Hostel areas of the Institute as per detail furnished in the agenda item.

- BWC 25.9 To consider and approve the detailed Cost Estimate for 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.

It was apprised to the BWC that the said roads were first constructed in 1970 and repaired subsequently. It was noted by the BWC that since 1970 the Institute has grown substantially in terms of physical staff & students strength and infrastructure including vehicle numbers.

The Building and Works Committee deliberated at the length and decided that during the special repairs and maintenance of the roads, the provision of footpath along the road which is necessarily required to avoid congestion due to heavy traffic, be ensured at the time of execution as per site requirement and approved the cost estimate with an amount of Rs. 2,22,99,500/- for widening of various roads in the Institute as special repairs and maintenance.

BWC 25.10 To consider & approve the Cost Estimate for the construction of Lawn Tennis Court including widening and repair of existing Lawn Tennis Court in the Sports Complex at NIT, Kurukshetra

The Building and Works Committee deliberated on the matter that the above said work covers under the special repairs. It is necessary to prevent the structure and services from deterioration and restore it back to its original conditions which was constructed about 30 years back. In view of this the Building & Works Committee approved the cost estimate with an amount of Rs. 24,93,400/- for special repair including widening of existing Lawn Tennis Court in the Sports Complex of the Institute.

Minutes of 25th Building & Works Committee meeting held on 27.05.2019

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To consider and approve the cost estimate for Water Proofing BWC 25.11 Treatment of Cafeteria in Open Air Theatre at NIT, Kurukshetra.

> The Building and Works Committee deliberated on the matter that such type of works covers under preventive maintenance is required to be carried out to avoid occurrence of maintenance problems in the building and services. It is necessary to prevent the structure and services from deterioration and restore back in its original condition.

> In view of the above after detailed discussion the Building and Works Committee approved the cost estimate with an amount of Rs. 21,96,000/- for special repair of Water Proofing Treatment of Cafeteria in Open Air Theatre of the Institute.

BWC 25.12 To consider and approve the cost estimate for the repair work including Civil, Electrical and Audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra.

> It was apprised to the Building & Works Committee that the Jubilee Hall and Senate Hall were constructed in the year 1990s and 2002 respectively. It was also apprised that the last special repair of Jubilee Hall was carried out in 2004. The Committee has also taken notes of the fact, that the total student intake per year was about 1500 in 2004 and has been increase to 3500 in 2008-09. Further, at present the total strength of the students in the Institute is more than 5000.

> In view of the above, the Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 4,10,97,120/for special repairs and maintenance of Civil and Electrical works including Audio System in the Jubilee Hall & Senate Hall of the Institute as per detail furnished in the agenda item.

BWC 25.13 To consider and approve the revised preliminary cost estimate for Construction of Indoor Badminton Hall at NIT, Kurukshetra.

> The Building & Works Committee deliberated on the matter that the Administrative Approval & Expenditure Sanction already conveyed to CPWD in May, 2018. The Executive Engineer (Civil), CPWD invited the tender only on the basis of architectural drawings duly approved by the Institute instead of detailed structural design and drawings. The Executive Engineer (Civil),

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CPWD intimated to the Institute on 04.12.2018 alongwith architectural drawings and DNIT. Further, the CPWD commenced the work through the contractual agency.

Later on the Superintending Engineer (Civil), CPWD discussed the matter with the Institute authority regarding heat insulation in the proposed badminton hall as per approved design and drawings and to avoid heating effect, the vertical profile sheet already taken in the preliminary cost estimate be replaced with AAC Block 200 mm thick masonry as filler walls. In this regard the revised cost estimate for an amount of Rs. 96,67,800/based on modified architectural & structural drawings was submitted by the Executive Engineer (Civil), CPWD for the above said work.

In view of the above facts, the Building & Works Committee discussed the matter at length and approved the revised cost estimate for an amount of Rs. 96,67,800/- for the construction of Indoor Badminton Hall at NIT, Kurukshetra with modified structural design and drawings for better heat insulation.

Further, it was also desired that the above said work be executed from the same agency engaged by CPWD after obtaining the undertaking from the contractor to avoid any legal complications/arbitration in the matter. The B&WC also noted that the Institute will not be responsible regarding cost overrun and time overrun etc. for the work in such circumstances.

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

Authenticated

Director &

Chairman, Building & Works Committee

NIT, Kurukshetra

Registrar I/C & Member-Secretary Building & Works Committee,

NIT, Kurukshetra

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NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. NIT/25th B&WC/ 3321

Dated: 03 06 19

1 Dr. Satish Kumar

Chairman

Director,

National Institute of Technology,

Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired),

C.P.W.D,

Flat No. B-2012,

Gaur Green City Vaibhav Khand,

Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology,

Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D,

HSIIDC, Sector-3,

Karnal (Haryana)-132001

5. Er. C.J. Pasrija

Member

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

Subject: Minutes of the 25th meeting of the Building and Works Committee held on Monday, the 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of the Institute.

Kindly find enclosed herewith minutes of the 25th meeting of the Building and Works Committee of the Institute held on 27.05.2019 duly authenticated by the Chairman, Building & Works Committee & Director, NIT, Kurukshetra.

All the members are requested to kindly confirm the minutes.

Encl. as above

(Surinder Deswal)
Registrar In-charge &
Member-Secretary
Building & Works Committee,
NIT, Kurukshetra

Endst. No.NIT/25th BWC/

Dated

Copy of the minutes of 25th meeting of the Building & Works Committee held on 27.052019 is being sent for information and record please.

 Dy. Director General, Deptt. of Higher Education, M.H.R.D, Shastri Bhawan, New Delhi-110001 Member

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Surinder Deswal)
Registrar In-charge &
Member-Secretary
Building & Works Committee,
NIT, Kurukshetra

BWC 26.2 To report the action taken on the minutes of the 25th meeting of the Building & Works Committee held on 27.05.2019.

The action taken on the minutes of the 25th meeting of the Building & Works Committee held on 27.05.2019 is as under:

Agenda No.	Item	Recommendations of B&WC	Funding Head	Action Taken
BWC 25.1	To confirm the minutes of 24 th meeting of Building & Works Committee held on 06.03.2018			No further action is required
BWC 25.2	To report the action taken on the minutes of the 24 th meeting of the Building & Works Committee held on 06.03.2018	• BWC 24.2/ BWC 19.2 (16.4): The work of Installation of HT/LT Sub-station including feeder pillar in residential area is pending. During discussion the Executive Engineer (Electrical) CPWD apprised about the status of the work that the final hearing in that case has been completed and final decision is awaited which is expected to be received in the month of June, 2019. The installation of online metering system is to be completed on priority.		The work of Installation of HT/LT Sub-station including feeder pillar in residential area is almost complete & put to use. However, the work is commissioned in manual mode and installation of the metering software is pending being the case is under arbitration.
		• BWC 19.2 (16.11): The work of replacement of existing electrical wiring in instructional building is completed and inventory has been received. The final bill and final Utilization Certificate is awaited. The Executive Engineer (Elect.) apprised that the same will be provided to the Institute by 30 th June 2019.		The re-wiring work completed and put to use. However, the old/new inventory/fixtures of old Administrative Block, has not been received from CPWD so far. CPWD may submit the above documents at the earliest alongwith final utilization certificate so that the balance payment may be released.

- **BWC. 21.4:** The work of 300 seater multi-purpose boys hostel was discussed and the Executive Engineer (Civil), CPWD apprised that the final utilization certificate alongwith a copy of final bill will be submitted by 30th June, 2019.
- **BWC** 22.10: The B&WC asked the status regarding the check list for the persons disabilities (PwD) as per Government of India norms. The CPWD apprised that the check list has not been provided so far. After detailed discussion the B&WC resolved that the building wise requirement be explored as per check list. (As per Government of India norms regarding the facilities for the persons with disabilities (PwD) except installation of lifts). Further it was also resolved that the requirement revised for installation of lifts in the various departments be explored as and when the check list is received.

Accordingly, the CPWD will submit the revised cost estimate alongwith parameters in this regard, if required and the case would be processed. A letter may also be written to CPWD regarding the check list and submission of cost estimate for installation of lifts as per site requirement after visiting the various departments in consultation with the Institute.

• BWC 23.10: In the light of the decision of Finance Committee for the provisions of GFRs 2017 applicable to autonomous

The work completed and handed over to the Warden Chief However, (Bovs). final utilization certificate along with a copy of final bill is awaited from CPWD.

The work Installation of lifts in Old MBA Block (SIEMENS Centre of Excellence) is in progress and the provision of lifts the included in work of Additional floor over the MBA/MCA Block is in process. The provision of lifts in the left out various buildings in the Institute is also in process.

The matter was put up before the Finance Committee in its 42nd meeting held on 19.09.2019 bodies may be adopted by the Institute regarding delegation of powers to Director & Chairman, Building & Works Committee original 1 minor /repairs works. In this regard, the detailed reply alongwith reminders has already been sent to MHRD. No response in this regard has been received from Ministry so far.

vide item no. 42.4 "The finance Committee recommended the Board that the powers may be delegated to the Institute Building & Works Committee for approving minor works and for works pertaining to repair and maintenance within the quantum of expenditure upto 50 lacs per work (excluding applicable taxes) duly following the procedures mentioned in GFR 2017 and Government of India instructions/rules. Further, it was also decided that this will be reported to the FC and BOG for information. The same was approved by BOG in its 51st meeting held on 19.09.2019.

BWC 24.3 The Building and Works Committee was apprised that the administrative approval and expenditure sanction for the provision of additional floor by providing Pre-feb construction with the provision of air-conditioning, lifts and staircase etc. over the Old MBA/New Workshop Building and special repairs & maintenance for Ground Floor and first floor as per the requirement of Centre of Excellence in the existing workshop building for heavy machinery has already been

The work for the provision additional floor by providing Pre-feb construction with the provision of airconditioning. lifts and staircase etc. over the Old MBA/ New Workshop Building and special repairs & maintenance for around floor and first floor is in progress. The stipulated date of completion 29.02.2020 as per bar chart submitted conveyed to CPWD. During discussion the Executive Engineer, CPWD intimated that the tendering work is in process.

Further, it was desired that monitoring meeting in this regard will be held with the Superintendent Engineer (Civil), CPWD on regular basis.

BWC 24.4 The B&WC discussed the matter in detail and asked to update the status of the work of Additional Floor over the MBA/MCA building. It was apprised that the 37th FC meeting vide No. 37.32(2) held on 4.06.2018 it decided that the was construction of additional floor under this work is to be carried out conventional as construction permanent instead of pre-fab construction and subsequently approved in the 45th BOG Meeting vide 45.31 held on item No. 4.06.2018. In view of this a Committee under the chairmanship of Sh. A K Singhal, Director General **CPWD** (Retd.), was constituted by the Hon'ble Director and Chairman B&WC analysis of structural for design, drawings and vetting etc. for the proposed structure. The above committee met on 28.12.2018 and decided that earlier architect the who supplied the structural design and drawings of the existing building be engaged to supply the structural design and drawings including vetting for the proposed structure at 2nd floor of MBA/MCA Block for permanent construction instead of temporary structure. approval After of the competent authority, earlier by CPWD.

The vetted design drawings submitted by Architect M/s. Benjamin Benjamin & Vats, New Delhi were accepted by the committee duly constituted and same were approved bγ competent authority of the The Institute. approved vetted design & drawings sent were to CPWD for their In consent. response to the above, **CPWD** submitted the preliminary cost estimate of Rs. 8,53,95,000/for A/A & E/S for conventional permanent construction instead of pre-fab construction. The A/A & E/S of the work is in process for obtaining the approval of the competent authority the of Institute.

architect engaged for rendering the services to supply the structural design and drawings including vetting as required by CPWD and the work should be completed within the cost estimate already approved by FC & The architect has BOG. supplied the structural design & drawings and the vetting is in process.

The B&WC resolved that the matter may be expedited with the architect to supply the vetted structural design and drawing, so that the same may before the put up committee for recommendations the to competent authority. Further, it was also resolved that the vetted structural design and drawings shall be sent to CPWD for execution of the work and Chairman B&WC was authorized to approve the recommendations of the Committee.

BWC 24.5 The B&WC was apprised regarding Institute Master Plan that the A/A & E/S of this work was conveyed to CPWD in the month of January - 2013 with an estimated amount of Rs. 31.00 lacs. The payment of Rs. 5.11 lacs of A/A & E/S was also transferred to CPWD in the month of Feburary-2013. The Chief Architect, **CPWD** informed bν Dean (Estate) vide letter No. CC/289/112575 dated 9/10/12.2013 regarding development/construction works and existing facilities, future requirement residential, non-residential and sports amenities. The space for various newly planned building future for in finalization of Master Plan for

The Senior Architect, CPWD, Chandigarh visited the Institute Campus on 10.01.2020 regarding Institute Master Plan. Thereafter, meeting was held in the office of Hon'ble Director in the presence of Dean (P&D), Registrar and Prof. (E&C) finalize a few old buildings required to be dismantled in the 1st phase and 20 years future requirements were decided to explored.

the Institute.

Further the Chief Architect, CPWD allotted the work to the Principal Chandigarh College of Architecture vide letter No. CA-NR-1/501/2014/977 dated 16.10.2014 regarding comprehensive submit the preliminary design of the Master Plan and re-development plan of NIT, Kurukshetra. The Chief Architect, CPWD submitted the preliminary conceptual Master Plan and re-development Master Plan Kurukshetra NIT. comments /approval. Further, this regard, in the presentations were made by the Chief Architect CPWD in the Board Room of Golden Jubilee Administrative Buildings in the presence of Dean (P&D), Dean (Estate), all Professor In-charges and other officials of Estate Section on 10.07.14. In view of the above presentations, the matter regarding preparation of Institute Master Plan was discussed in the meeting of Estate Affairs Committee held 24.07.2015. discussion During committee discussed on the various issues regarding future space requirement to incorporate in the Master Plan. The proposed points of the Committee were communicated Chief to Architect, CPWD vide letter Nos. CC/3506/148/6052 dated 18.11.15 and CC/3506/54/379 dated 27.01.2016. In response to the above Chief requirements the Architect, CPWD sent one set revised Development Master Plan and Compliance

Table was received from Chief Architect, CPWD, Chandigarh

		vide letter No, CA-NR-I/501/2016/373 dated 17.06.2016. Further, The Committee duly constituted by competent authority of the Institute under the Chairmanship of Chief Architect, Chandigarh communicated vide letter No. EO/734/5911 dated 21/22.11.2017. The Comments of the Committee in this regard are awaited. Since November -2017 no meeting was held with the Chief Architect, Chandigarh. In view of the facts as explained above the B&WC resolved that Chief Engineer, CPWD (NZ-I), Chandigarh may be requested to expedite regarding the preparation of Master Plan of the Institute within three months positively i.e. upto August 2019, failing which the A/A & E/S of this work would be withdrawn from CPWD. The CPWD may be asked to transfer the funds of Rs. 5.11 lacs back to the Institute with interest which has already been transferred by the Institute to the Executive Engineer (Civil),		
BWC 25.3	To consider and approve the cost estimates for 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.	The BWC noted that most of the buildings were constructed during the years 1970 and 80's. After detailed deliberations the BWC approved the cost estimate with an amount of Rs. 1,42,15,862/- for providing and fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. as special repairs & maintenance in the various departments of the Institute as per the detail furnished in the Agenda Item.	Repair & Maintena nce Head	The work in Labs of Chemistry, Physics and H&SS departments has been completed. Further, the revised requirement for remaining work in the various Departments in consultation with the HoDs received and same were sent to CPWD. The revised cost estimate is awaited from CPWD.

BWC 25.4	To consider and approve the cost estimate for the 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.	The BWC noted that year of construction and subsequent maintenance of the hostels & staff quarters/houses and after detailed discussion approved the cost estimate with an amount of Rs. 11,07,24,672/- for distempering and painting being special repairs & maintenance in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses in the Institute, as per the detail furnished in the Agenda Item.	Seat Rent + Repair & Maintena nce Head	A separate agenda vide item no. 26.3 is placed in this meeting regarding the provision of internal & external finishing i.e distempering & painting including minor and major repair in the Boy's Hostel No. 4, 5 & 6. Further, the revised cost estimate for the provision of internal & external finishing i.e. distempering & painting including minor and major repair in the Boy's Hostels 1 to 3 and 7 to 10, Girls Hostel 1 to 4 and Staff Quarters. Including BT/CT is awaited from CPWD.
BWC 25.5	To consider and approve the cost estimate for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra	The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 74,13,100/- for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex & MBA/MCA and upto the road towards south side of LHC and MBA/MCA buildings of the Institute.	MCA (Self Finance Course)	A separate agenda vide item no. 26.4 is placed in this meeting
BWC 25.6	To consider and approve the cost estimate for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus.	The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 1,01,24,100/- for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus of the Institute.	Plan Grant (as already approved by FC/BOG)	The treated water from storage tank after treatment is being used for horticulture purpose in the campus by laying temporary pipe lines. The cost estimate of Rs. 1,01,24,100/- for design of treated water supply line from STP to dual flushing system in 600 seater girls

			hostel & 300 seater multipurpose boys hostel deferred for the time being.
strengthening existing Ceme Concrete pavement/road fro North East Corner CCN to Junctio between Cauve Hostel & MBA/MC Department and roa between Jubilee Ha	Committee noted that this work i.e. cement concrete pavement was constructed about 30 years back which has been deteriorated significantly. After detailed deliberations, the B&WC decided that the while carrying out the special repairs & maintenance the existing pavements be used as base course which saves the cost of concrete. It was further resolved that the proper drainage along the road be	IRG ,	A separate agenda vide item no. 26.5 is placed in this meeting.
BWC To consider an approve the detailed Cost Estimate for recarpeting of various roads in the Institutional and Hostel areas.	 & maintenance (re-carpeting) of the proposed roads was last carried out in 2011 about 4500 mtrs. and 2013 about 2500 	Repair & Maintena nce Head	A separate agenda vide item no. 26.6 is placed in this meeting.

		maintenance (re-carpeting) of roads in the Institutional and Hostel areas of the Institute as per detail furnished in the agenda item.		
BWC 25.9	To consider and approve the detailed Cost Estimate for 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.	It was apprised to the BWC that the said roads were first constructed in 1970 and repaired subsequently. It was noted by the BWC that since 1970 the Institute has grown substantially in terms of physical staff & students strength and infrastructure including vehicle numbers. The Building and Works Committee deliberated at the length and decided that during the special repairs and maintenance of the roads, the provision of footpath along the road which is necessarily required to avoid congestion due to heavy traffic, be ensured at the time of execution as per site requirement and approved the cost estimate with an amount of	Repair & Maintena nce Head	A separate agenda vide item no. 26.7 is placed in this meeting
BWC 25.10	To consider & approve the Cost Estimate for the construction of Lawn Tennis Court including widening and repair of existing Lawn Tennis Court in the Sports Complex at NIT, Kurukshetra	The Building and Works Committee deliberated on the matter that the above said work covers under the special repairs. It is necessary to prevent the structure and services from deterioration and restore it back to its original conditions which was constructed about 30 years back. In view of this the Building & Works Committee approved the cost estimate with an amount of Rs. 24,93,400/- for special repair including widening of existing Lawn Tennis Court in the Sports Complex of the Institute.	Student Activity Fund	A letter has been sent to CPWD for submission of cost estimate vide letter no. CC/3577/866/7196 dated 30.12.2019. The detailed cost estimate is awaited from CPWD.
BWC 25.11	To consider and approve the cost estimate for Water Proofing Treatment of Cafeteria in Open Air	The Building and Works Committee deliberated on the matter that such type of works covers under preventive	Student Activity Fund	A letter has been sent to CPWD for submission of cost estimate vide letter no. CC/3492/864/

	Theatre at NIT, Kurukshetra	maintenance is required to be carried out to avoid occurrence of maintenance problems in the building and services. It is necessary to prevent the structure and services from deterioration and restore back in its original condition. In view of the above after detailed discussion the Building and Works Committee approved the cost estimate with an amount of Rs. 21,96,000/- for special repair of Water Proofing Treatment of Cafeteria in Open Air Theatre of the Institute.		7194 dated 30.12.2019. The revised cost estimate is awaited from CPWD.
BWC 25.12	To consider and approve the cost estimate for the repair work including Civil, Electrical and Audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra.	& Works Committee that the Jubilee Hall and Senate Hall were constructed in the year 1990s and 2002 respectively. It was also apprised that the last special repair of Jubilee	Repair & Mainten- ance Head	The A/A & E/S for the repair work including Civil, Electrical and Audio System works in the Jubilee Hall & Senate Hall was conveyed to the Executive Engineer (Civil), CPWD vide letter No. CC/3527/35/568 dated 16.01.2010 for an amount of Rs, 4,10,97,120/ In response to the above the Exeutive Engineer (Civil) & (Elect) submitted the revised cost estimate for rennoval/ up gradation of Senate Hall only including Civil, Electrical, Audio System and furniture works for an amount of Rs. 2,28,34,573/ Accordingly a separate agenda vide item no. 26.13 is placed in this meeting. It is also intimated that the revised cost estimate for

				renovation/up-
				gradation of Jubilee Hall including Civil, Electrical, Audio System and furniture works is in process and same will be put up in the next Building & Works Committee meeting after receipt from CPWD.
BWC 25.13	To consider and approve the revised preliminary cost estimate for Construction of Indoor Badminton Hall at NIT, Kurukshetra.	The Building & Works Committee deliberated on the matter that the Administrative Approval & Expenditure Sanction already conveyed to CPWD in May, 2018. The Executive Engineer (Civil), CPWD invited the tender only on the basis of architectural drawings duly approved by the Institute instead of detailed structural design and drawings. The Executive Engineer (Civil), CPWD intimated to the Institute on 04.12.2018 alongwith architectural drawings and DNIT. Further, the CPWD commenced the work through the contractual agency. Later on the Superintending Engineer (Civil), CPWD discussed the matter with the Institute authority regarding heat insulation in the proposed badminton hall as per approved design and drawings and to avoid heating effect, the vertical profile sheet already taken in the preliminary cost estimate be replaced with AAC Block 200 mm thick masonry as filler walls. In this regard the revised cost estimate for an amount of Rs. 96,67,800/-based on modified architectural & structural drawings was submitted by the Executive Engineer (Civil),	Plan Grant (as already approved by FC & BOG)	The work of construction of Indoor Badminton Hall is in progress. The stipulated date of completion is 16.03.2020 as per bar chart submitted by CPWD.
		<u> </u>		

CPWD for the above said work. In view of the above facts, the Building & Works Committee discussed the matter at length and approved the revised cost estimate for an amount of 96,67,800/for Rs. the construction of Indoor Badminton Hall NIT. at Kurukshetra with modified structural design and drawings for better heat insulation. Further, it was also desired that the above said work be executed from the same agency engaged by CPWD after obtaining the undertaking from the contractor avoid any to legal complications/arbitration in the matter. The B&WC also noted that the Institute will not be responsible regarding cost

overrun and time overrun etc. for the work in such circumstances

BWC 26.3 To consider and approve the Revised Detailed Cost Estimate for the provision of internal & external finishing i.e distempering & painting including minor and major repair in the Boys Hostel No. 4, 5 & 6 at NIT, Kurukshetra.

The work for the provision of internal and external finishing i.e. distempering & painting work in the Boys Hostels (1-10), Girls Hostels (1-4) and Staff Quarters including BT/CT type houses in the Institute was approved by B&WC in its 25th meeting held on 27.05.2019 vide item No. 25.4 for an amount of Rs. 11,07,24,672/- and subsequently approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 is enclosed as **Appendix-I** from page 31 to 33.

The Hostel wise detail of cost estimate based on DSR -2016 is as under in tabular form:

	Boys Hostel				
Sr.	Description	Cost Estimate for	Cost Estimate for	Total	Estimated cost
No.		Internal finishing	External finishing	for	Internal and
		(Amount in Rs.)	(Amount in Rs.)	Ext	ernal finishing
				(Aı	mount in Rs.)
1.	Hostel No1	24,46,107.31	5,32,278.14		29,78,385.45
2.	Hostel No2	24,65,044.29	5,30,255.62		29,95,299.91
3.	Hostel No3	24,67,872.31	6,47,868.65		31,15,740.96
4.	Hostel No4	40,19,225.75	5,20,415.14		45,39,640.89
5.	Hostel No5	40,19,226.36	5,20,415.14		45,39,641.50
6.	Hostel No6	30,67,883.01	5,90,765.08		36,58,648.09
7.	Hostel No7	37,36,755.17	42,74,927.88		80,11,683.05
8.	Hostel No8	36,52,187.42	43,79,755.89		80,31,943.31
9.	Hostel No9	36,83,815.38	44,90,812.47		81,74,627.85
10.	Hostel No10	1,12,18,502.74	17,78,261.74		1,29,96,764.48
	Total (A) 4,07,76,620.00	(B) 1,82,65,756.00		5,90,42,376.00
		Girls	Hostel		
Sr.	Description	Cost Estimate for	Cost Estimate f		Total Estimated
No.		Internal finishing	External finishir		cost for Internal
		(Amount in Rs.)	(Amount in Rs	.)	and External
					finishing
4	A I = I	00.44.007.00	0.55.4	FO 04	(Amount in Rs.)
1.	Alaknanda Bhawan	23,44,887.08			27,00,337.29
2.	Bhagrathi	39,34,169.29	78,6	37.46	40,12,806.75
	Bhawan (on				
	priority)				
3.	Cauvary	23,38,904.66	15,82,2	17.19	39,21,121.85
	Bhawan				
4.	Kalpana Chawla	45,73,148.99			77,04,261.09
	Total	(C) 1,31,91,110.00	(D) 51,47,4	17.00	1,83,38,526.98

	Staff Quarters					
Sr.	Description	Cost Estimate for	Cost Estimate	Total		
No.		Internal finishing	for External	Estimated cost		
			finishing	for Internal		
				and External		
				finishing		
		(Amount in Rs.)	(Amount in Rs.)	(Amount in Rs.)		
1.	Distempering in rooms,	(E)	(F)			
	lobby, kitchen, store,	1,55,30,614.00	1,41,80,172.00	2,97,10,786.00		
	toilet enamel painting on					
	doors, windows & grills					
	etc. in residential building					
	(except BT & CT Type					
	Houses)					
2.	Distempering in rooms,	(G)	(H)			
	lobby, kitchen, store,	20,57,962.00	15,75,021.00	36,32,983.00		
	toilet enamel painting on					
	doors, windows & grills					
	etc. in residential building					
	(In BT & CT Type					
	Houses)					
	Grand Total of annexure A		11,07,24,672.00			
	*(attached with the agend	da item)				

Further it is worth mentioning here that the A/A & E/S for an amount of Rs. 1,27,37,930/-for the work of provision of Internal and External finishing i.e. distempering & painting in the Boys Hostel No. 4, 5 and 6 only for partially execution of the work was conveyed to CPWD vide letter no. CC/3561/626/5837 dated 04.10.2019 is enclosed as **Appendix - II on page 34**.

After receipt of the A/A & E/S from NIT, Kurukshetra. The Assistant Engineer (Civil), CPWD send a letter vide no. 24(NIT)/A.E/KCSD/2019/203 dated 30.10.2019 in which it is stated that the detailed cost estimate of Rs. 1,27,37,930/-(Hostel Nos.4,5 & 6) was prepared by NIT, Kurukshetra on the basis of DSR-2016 & cost index @ 3.92% excluding the applicable taxes. However, now, DSR-2018 is implemented which has caused cost escalation in the estimate. Hence, the cost estimate needs to be revised as per DSR-2018.

Further, the Executive Engineer (Civil) CPWD was intimated vide no. CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for the work of provision of internal & external finishing i.e distempering & painting including minor and major repair in the Boys Hostel No. 4, 5 & 6 based on DSR-2018 and latest provisions as applicable is enclosed as **Appendix-III** from page 35 to 37. -29-

Accordingly, the Superintending Engineer (Civil), CPWD, Karnal submitted the revised detailed cost estimate for an amount of Rs. 2,91,26,500/- vide letter No. NIT-KKR/SE/Karnal/2020/93 dated 23.01.2020 based on DSR-2018 for the work of provision of internal & external finishing i.e. distempering & painting in Hostels No. 4,5 & 6 alongwith the provision of minor and major repairs. In this regard it is pertinent to mention here that the revised cost estimate enhanced due to including the additional provision for demolition and replacement of existing RCC parapet walls and vertical facia of balconies etc for approximately of Rs. 60 lacs in Boys Hostels Nos. 4 and 5. The estimate also enhanced due to huge increase in as per DSR 2018 on internal and external finishing items and provision of statutory taxes & contingencies etc. is enclosed as **Appendix-IV** from page 38 to 43.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the revised detailed cost estimate of Rs. 2,91,26,500/- received from CPWD for the work of provision of internal & external finishing i.e distempering & painting including minor and major repair in the Boys Hostel No. 4, 5 & 6 was put up before the competent authority for approval. After approval of the competent authority the revised detailed cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-V** from page 44 to 45.

The Building & Works Committee may consider and approve the revised detailed cost estimate for an amount of Rs. 2,91,26,500/- for the work of provision of internal & external finishing i.e distempering & painting including minor and major repair in the Boys Hostel No. 4, 5 & 6 at NIT, Kurukshetra.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA-136119

Minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

1. Dr. Satish Kumar

Chairman

Director, National Institute of Technology, Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology, Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001

5. Er. C.J. Pasrija

Member

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

6. Prof. S. M. Gupta

Special Invitee

Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra.



BWC 25.3 To consider and approve the cost estimates for 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.

The BWC noted that most of the buildings were constructed during the years 1970 and 80's. After detailed deliberations the BWC approved the cost estimate with an amount of Rs. 1,42,15,862/- for providing and fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. as special repairs & maintenance in the various departments of the Institute as per the detail furnished in the Agenda Item.

BWC 25.4 To consider and approve the cost estimate for the 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.

The BWC noted that year of construction and subsequent maintenance of the hostels & staff quarters/houses and after detailed discussion approved the cost estimate with an amount of Rs. 11,07,24,672/- for distempering and painting being special repairs & maintenance in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses in the Institute, as per the detail furnished in the Agenda Item.

BWC 25.5 To consider and approve the cost estimate for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 74,13,100/- for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex & MBA/MCA and upto the road towards south side of LHC and MBA/MCA buildings of the Institute.

-32 - 20.05.19

3815/19

ESTATE SECTION
Unary No. 1016
Dated, 99/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: 18.07.2019

19

The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77,20,525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts)

2. Assistant Engineer (Civil)

Marith 22/7/19

SA 22/7/19

June 23/2

21/119

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3561/626/5837

Dated

410.2019ع

To

The Executive Engineer (Civil).

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

Administrative Approval & Expenditure Sanction for the Provision of Internal & External finishing i.e. distempering & painting in the Boys

Hostels No. 4, 5 and 6 at NIT, Kurukshetra at NIT, Kurukshetra.

Reference:

MoU dated 20.12.2012 and approval of the Hon'ble Director on dated

03.10.2019

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject with the cost estimate as under:

Sr. No.	Name of Work	Cost of Work
1	Provision of Internal & External finishing i.e. distempering & painting in the Boys Hostels No. 4, 5 and 6 at NIT, Kurukshetra.	

It is important to note that CPWD will provide the detailed cost estimate (DNIT) for approval from the competent authority of the Institute before calling the tender.

Further, it is also important to note that the above said work must be completed by 31.03.2020 positively alongwith submission of a copy of final bill in the Institute.

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

Prof. I/C (Estate & Construction)

Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Civil), NITK
- 5. J.E. (Civil), NITK
- SS to Registrar for kind information of Registrar
- 7. SS to Director for kind information of the Hon'ble Director\
- 8. A.E. (Civil), CPWD NIT Camp Office
- 9. The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India. Karnal-132001
- 11. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh



भारत सरकार **केन्द्रीय लोक निर्माण विभाग**

कुरूक्षेत्र केन्द्रीय उप-मण्डल, कुरूक्षेत्र



संख्याः **24(NIT)/**स.अ. / कु०के०उ०म० / 2019 / 2 63

सेवा में,

एन.आई.टी. कुरूक्षेत्र

Hotes Plene.

ESTATE SECTION

दिनांकः. 3 ०/*।०/ /*१

Diary No. 1525....

Dated . 5 lulia.

विषय:--

Provision of Internal and External finishing i.e.

distempering & painting in the Boys Hostel No. 4, 5 and 6 at NIT Kurukshetra.

. Kur

R/Sir,

The A/A & E/S of the above cited work has been received vide your office letter no. CC/3561/626/5837 dated 04.10.2019 amounting to Rs. 1,27,37,930/- on the basis of the estimate which was prepared by NIT at your own level on the basis of DSR 2016 & cost index @ 3.92% including applicable taxes. As DSR-2018 is introduced which causes escalation in the estimate. Hence the estimate needs to be revised as per DSR-2018. Therefore revised estimate has been submitted to Executive Engineer karnal for further submission to your office for accord of revised A/A & E/S of the above said work.

While scrutinizing the estimate it was found that the existing internal white wash surface is proposed to be replaced with acrylic distemper & external white wash surface is proposed to be replaced with exterior paint with silicone additive & one coat of synthetic enamel paint on wood & steel work.

The site was physically inspected on dated 22.10.2019 along with Junior Engineer (Estate) & it was found that the parapets & balcony RCC is dilapidated & even parapet wall found dismantled at some places in hostel No. 4 & 5 & extensive repair is required to be done before doing external finishing work. You are requested to get the same done at your level so that the external painting work is done after receipt of the revised A/A & E/S of the above said work.

सहायक अभियन्ता

कुरूक्षेत्र केन्द्रीय उप-मण्डल, के०लो०नि०वि०, क्रूक्षेत्र।

प्रतिलिपी:— कार्यपालक अभियन्ता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि करनाल को सुचनार्थ। उपरोक्त कार्य का Revised estimate आपके कार्यालय में पहले प्रेषित कर दिया गया है।

सहायक अभियन्ता

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. 100/3492/864/ 7174

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the
2.	Boys Hostel No. 1 - 3 & 7 - 10, Girls Hostels 1 - 4 and Staff Quarters including BT/CT
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's
	hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction

Copy to:

1. A.E. (Civil)

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

before the ensuing Building & Works Committee or the

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

	. The detail is given as under:			
Sr. No.	Name of Works		Approved F	rom .
110.		B&WC	FC	BOG
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.			
2.	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			
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6]		
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.			
5.	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.	25th held on	41st held on 20.06.2019	50th held on 20.06.2019
6.	Re-carpeting of various roads in the Institutional and Hostel areas.			
7.	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.			
8.	Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court			
9.	Water Proofing Treatment of Cafeteria in Open Air Theatre.			
10.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.			
11.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	- Jewell was		
12.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.			
13.	Construction of shed for covering the sports complex stairs.	23rd held	35th	42nd
14.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	on03.06.2	held on 05.06.2017	held on 27.06.2017
15.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex			
	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works	
	Construction of Inter Locking Paver Block roads surrounding STP and Oxidation Pond.			

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate Due to Interoduction of for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

SR-1019

kegistrar Office Dairy No. 4038 ×3.1×.19

Director

ESTATE SECTION



भारत सरकार GOVERNMENT OF INDIA केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT Diary No. !!8



कार्यालय अधीक्षण अभियंता केन्द्रीय लोक निर्माण विभाग,

करनाल -132001 दूरभाष : 0184-2250690

फैक्स : 0184-2250660 ई-मेल secowdkamal@gmail.com

Office of the Suprintending Engineer, Central Public Works Department, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

secpwdkamal@gmail.com

संख्याः− NIT-KKR/अ.अभि./करनाल/२०२०/०३

विनांक. 23 ा - १०२०

सेवा में,

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

Kurukshetra.

विषय :

Provision of internal & external finishing i.e distempering and painting including minor and major repair in the boys hostel no 4,5 & 6 at NIT Kurukshetra.

संदर्भ :

पत्र सं0 /CC/3492/864/7194 दिनांक 30.12.2019 के संदर्भ में।

महोदय,

उपरोक्त कार्य का संशोधित प्रारम्भिक/विस्तृत अनुमान जिसकी राशि 2,91,26,500/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की संशोधित प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्न :

अनुमान दो प्रतियों में।

भवदीय,

अधीक्षण अभियन्ता करनाल परिमण्डल, के.लो.नि.वि, करनाल।

प्रतिलिपि:-

1. कार्यपालक अभियंता, करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल -१३२००१ को सूचनार्थ।

अधीक्षण अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R

Division: Karnal Sub-Division: KKR

NAME OF WORK:

Provision of internal & external finishing i.e distempering and painting including minor and major repair in the boys hostel no 4,5 & 6 at NIT Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD	

This revised preliminary cum detailed estimate framed by Er. Prashant Agarwal, Executive Engineer, Karnal Division, CPWD, Karnal and further processed in the O/o Superintending Engineer, Karnal Circle, CPWD, Karnal for Rs. 2,91,26,500/- i/c contingencies.

LIEVEL ...

History:

This preliminary cum detailed estimate amounting to Rs. 2,91,26,500/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. Earlier A/A & E/S amounting to Rs 1,27,37,930/was received from client department vide their letter no. CC/3561/626/5837 dated 04-10-2019 on the basis of detailed estimate prepared by NIT authorities at their own level based on DSR 2016 with cost index 3.92%. However, now a fresh requisition has been received from the client department vide their office letter No. /CC/3492/864/7194 dated 30.12.2019 (Sr. No. 3), accordingly this revised preliminary cum detailed estimate amounting to Rs. 2,91,26,500/- based on DSR-2018 has been prepared for obtaining revised A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Removing white or color wash in the internal area and water proofing cement paint and the like in the external area by scrapping, sand papering and preparing the surface smooth.
- 2. Internal finishing with white cement based wall putty of average thickness 1 mm and applying one coat of water thin able cement primer under the distempering with 1st quality acrylic distemper two or more coats.
- 3. External finishing with two or more coats of premium acrylic smooth exterior paint including priming coat of exterior primer.
- 4. Painting with synthetic enamel paint of approved brand and manufacture of required colour by applying one or more coats on old work.
- 5. Dismantling of existing reinforced cement concrete parapet, balconies and provision of brick work parapet and M.S railing work in the balconies of hostel no 4 & 5.
- 6. Provision of Minor repair work on the walls and ceilings of the hostels.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.

- 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.

<u>T & P:</u>

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

<u>Land:</u>

Available with client department.

Rate:

Based on DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

09 Months (After receipt of A/A & E/S)

Cost:

Rs. 2,91,26,500/- i/c 3% 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.

Assistant Engineer (Admn.)

Karnal Circle CPWD, Karnal Executive Engineer Karnal Division CPWD, Karnal

Detailed Estimate

Name of work : Provision of internal & external finishing i.e distempering and painting including minor and major repair in the boys hostel no 4,5 & 6 at NIT Kurukshetra.

Sr. No.	1158	Description	Qty	Unit	Rate	Amount
		CONCRETE WORK				, , ,
1	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, sunker floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:	i i i			
1.1	4.2.2	1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	11.00	Cum	8976.45	98741.00
		MASONRY WORK				
2	6.4	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 :				
2.1	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	183.00	Cum	7590.45	1389052.00
	,	STEEL WORK				
3		Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
3.1		In gratings, frames, guard bar, ladder, railings, brackets,				
4	10.26	gates and similar works Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.		Kgs	131.00	1319825.00
4.1	10.26. 1	M.S. tube	3770.00	Kgs	145.65	549101.00
5		Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/masonry, etc. as per direction of Engineer-in-charge.				
5.1	10.27. 2	10 x 80 mm	1056.00	Each	109.00	115104.00
		ROOFING				
6	C	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 :				
3.1	12.21. l	n 75x75 mm deep chase	882.00	metre	237.25	209255.00
		FINISHING				
7		2 mm cement plaster of mix :	000.00		202 7-	0000000
7.1 8	13.5 1	1:6 (1 cement: 6 coarse sand) 5 mm cement plaster on rough side of single or half brick	838.00	Sqm	263.55	220855.00
3.1		vall of mix: Dement mortar 1:6 (1 cement : 6 coarse sand)	838.00	Sqm	303.90	254668.00

	(, , , , , , , , , , , , , , , , , , ,		γ			
9		6 mm cement plaster of mix :		<u> </u>	 	ļ
9.1	1	1:3 (1 cement : 3 fine sand)	203.00	Sqm	227.35	46152.00
10	13.43	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :	f			
10.1	13.43	. Water thinnable cement primer	51330.00	Sqm	60.00	3079800.00
11	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
11.1	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)	13000.00	sqm	161.15	2094950.00
12	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
12.1	13.61. 1	Two or more coats on new work	17390.00	sqm	121.55	2113755.00
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.	51980.00	sqm	115.15	5985497.00
14	13.81	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.				
14.1	13.81. 2	Two coats	51330.00	sqm	81.90	4203927.00
15	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	01000.00	oqiii	31.00	420027.00
			51330.00	sqm	14.20	728886.00
16		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.	13000.00	sqm	18.25	237250.00
17		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade				
17.1	13.99 <i>:</i>	One or more coats on old work	6230.00	Sqm	79.95	498089.00
		REPAIRS TO BUILDING				
18	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.				
18.1		With cement mortar 1:4 (1cement: 4 coarse sand)	1930.00	sqm	429.60	829128.00
19	15.3 	DISMANTLING AND DEMOLISHING Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	158.00	Cum	2534.70	400483.00
20	15.18 [f	Dismantling steel work in built up sections in angles, tees, lats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and				
	s	stacking within 50 metres lead.	2625.00	Kgs	4.15	10894.00

	·					
21	15.60	Disposal of building rubbish / malba / simila	r			
	1	unserviceable, dismantled or waste materials by	yľ			
	}	mechanical means, including loading, transporting		İ	1	
1		unloading to approved municipal dumping ground or as			1	
1		approved by Engineer-in-charge, beyond 50 m initial lead		ĺ	1	
İ	İ	for all leads including all lifts involved.	158.00	Cum	138.85	21938.00
		NEW TECHNOLOGIES AND MATERIALS	100.00			
22	NS/				1	
		beams, columns etc. with manual Chisel and/ or by			i	
	1	standard power driven percussion type or of approved				
	1	make including tapening of all edges, making square			Į.	
		shoulders of cavities including cleaning the exposed				
		concrete surface and reinforcement with wire brushes etc.		1	1	
1		and disposal of debris for all lead and lifts all complete as	;	1	1	
	· ·	per direction of Engineer-In-Charge		İ		
				1		
22.1	26.28.	21 mm average thickness				
i	3		550.00	Sqm	96.50	53075.00
		Non Schedule Items		1		
23	NSR	21 mm cement plaster on RCC chajjas/fins/beams/ceilings				
		in two coats & bonding coats i/c scaffolding etc all				
		complete as per direction of engineer-in-charge.			1	İ
1 1		1.)Bonding coat of cement slurry @ 2.20 Kgs/Sqm of				
		surface area. 2.) under layer of 15 mm thick rough cast				
		cement plaster 1:0.5:2 (1 cement : 0.5 coarse sand : 2		1		
1 1		stone chippings /crushed stone aggregate of size 6mm &		1		
		down) clashed over the bonding coat when it is sticky.			ĺ	
		3.)Top layer of 6mm thick cement plaster 1:3 (1 cement : 3				
		fine sand)				
			550.00	Sqm	702.25	386238.00
24		Providing and fixing 25x25 mm galvanised iron welded				
		mesh of 125SWG (2.64 mm diameter) weight not less				
		than 3.25 kgs/sqm (including cut end wire mesh to be				
		painted with Nitro Zinc primer) of required size shall be				
- 1		fixed on walls, beams, ceilings at all height including fixing				
I		with binding nails / welding at required distance etc all				
- 1		complete as per direction of engineer-In-Charge.				
			1785.00	Kgs	159.13	284047.00
		Total (A)			(A)	25130710.00
		Add Contingencies on (A) @	3.00%			753921.00
		Add Labour Cess on (A) @	1.00%			251307.00
		Add EPF & ESI on (A) @	11.90%	ļ		2990554.00
		Grand Total				29126492.00
				L	Say Rs.	2,91,26,500/-
		dui) cis		P	hant	
		Assistant Engineer (Admn.)				•
		Assistant Engineer (Admn.)		Executive E		
		Karnal Circle	· · · · · · · · · · · · · · · · · · ·	Karnal Divis		
		CPWD, Karnal		CPWD, Kan	ıaı	
		1	-M/			
	-+	Suno	intending	Engineer		
	+		l Circle			
	-), Karnal			
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To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

C

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.

The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly. The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to

putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of

these works after approval of the competent authority of the Institute.

To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.

- 11 The following works are to be discussed under HEFA
 - Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPVVD the same will be discussed in the ensuing meeting of EAC.

Annexure-li

	Annexure-II
Sr. No.	List of works to be put up before the B&WC in its ensuing meeting that is going to be held very shortly.
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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.
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court.
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building.
17.	Construction of Inter Locking Paver Blocks road surrounding STP and Oxidation Pond.

BWC 26.4 To consider and approve the Revised Cost Estimate for construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra.

The work for construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building was approved for an amount of Rs. 74,13,100/- by B&WC in its 25th meeting held on 27.05.2019 vide item No. 25.5 and subsequently approved by Finance Committee in its 41st meeting and BOG in its 50th meeting held on 20.06.2019 is enclosed as **Appendix-VI** from page 48 to 49.

Further, it is worth mentioning here that the A/A & E/S for an amount of Rs. 74,13,100/- for construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building was conveyed to CPWD vide letter no. CC/3525/630/5827 dated 04.10.2019 is enclosed as **Appendix- VII on page 50**.

After conveying the A/A & E/S the matter was discussed with the CPWD authority regarding commencement of the work. In this regard CPWD intimated that the above said cost estimate of Rs. 74,13,100/- submitted by Executive Engineer (Civil), CPWD vide letter no. 20(142)/PS/KCD/2018/1346 dated 10.04.2018 was framed on the basis of PAR-2012. However, this work was not executed due to introduction of CPWD, Plinth Area Rates-2019 and the cost estimate is required to be modified on the basis of PAR-2019. Accordingly, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for the above said work for construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building after approval of the competent authority is enclosed as **Appendix-VIII** from page 51 to 57.

Thereafter, the Executive Engineer (Civil), CPWD, Karnal submitted the revised cost estimate for an amount of Rs. 88,42,400/- based on PAR-2019 for the work of construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building vide letter No.20 (NITK)/PS/KC/2020/164 dated 20.01.2020 is enclosed as Appendix-iX from page 58 to 61.

from page 58 to 61. —46—

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the revised cost estimate of Rs. 88,42,400/- received from CPWD for the work of construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex (LHC) and MBA/MCA building was putup before the competent authority for approval. After approval of the competent authority the revised cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-X** from page 62 to 63.

The Building & Works Committee may consider and approve the revised cost estimate for an amount of Rs. 88,42,400/- for the work of construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex (LHC) and MBA/MCA building.

BWC 25.3 To consider and approve the cost estimates for 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.

The BWC noted that most of the buildings were constructed during the years 1970, and 80's. After detailed deliberations the BWC approved the cost estimate with an amount of Rs. 1,42,15,862/- for providing and fixing of vitrified floor tiles, false celling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. as special repairs & maintenance in the various departments of the Institute as per the detail furnished in the Agenda Item.

BWC 25.4 To consider and approve the cost estimate for the 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.

The BWC noted that year of construction and subsequent maintenance of the hostels & staff quarters/houses and after detailed discussion approved the cost estimate with an amount of Rs. 11,07,24,672/- for distempering and painting being special repairs & maintenance in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses in the Institute, as per the detail furnished in the Agenda Item.

BWC 25.5 To consider and approve the cost estimate for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 74,13,100/- for the construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex & MBA/MCA and upto the road towards south side of LHC and MBA/MCA buildings of the Institute.

Que

ESTATE SECTION Diary No. 1016
Dated, 99/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: <u>18</u>.07.2019

T9

The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77,20,525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts)

2. Assistant Engineer (Civil)

13/11/19

SA 221719

James 24/2/16

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA Appendix-VII

No./CC/3525/630/5827

Dated

*0*4.10.2019

To

The Executive Engineer (Civil),

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

Administrative Approval & Expenditure Sanction for the Construction of extension of existing corridor from New Workshop Building to 12 nos.

Lecture Hall Complex and MBA/MCA building at NIT, Kurukshetra.

Reference:

MoU dated 20,12,2012 and approval of the Hon'ble Director on dated

03.10.2019

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject with the cost estimate as under:

Sr. No.	Name of Work	Cost of Work	
	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building at NIT, Kurukshetra	four lacs thirteen thousand one	

It is important to note that CPWD will provide the detailed cost estimate (DNIT) along with detailed architectural & structural drawings for approval from the competent authority of the Institute before calling the tender.

Further, it is also important to note that the above said work must be completed by 31.03.2020 positively alongwith submission of a copy of final bill in the Institute.

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

Prof. I/C (Estate & Construction)

Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Civil), NITK
- 5. A.E. (Electrical), NITK
- 6. J.E. (Civil), NITK
- 7. J.E. (Elect.), NITK
- 8. SS to Registrar for kind information of Registrar
- 9. SS to Director for kind information of the Hon'ble Director
- 10. A.E. (Elect.), CPWD NIT Camp Office
- 11. A.E. (Civil), CPWD NIT Camp Office
- 12. The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- 13. The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India, Karnal-132001
- 14. The Superintending Engineer (Elect.), CPWD Chandigarh Electrical Central Circle-I, Kendriya Sadan, Sector-9A, Chandigarh
- 15. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh

DY NO: 454 De: 1014[18





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 स्टैट बैंक आफ इंडिया, करनाल -132001

दूरभाष : 0184-2250690 फैक्स : 0184-2250660 Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690 Fax: 0184-2250660

Fax: 0184-2250660 E-mail: cpwdckarnal@gmail.com

संख्याः- 20(142)/यो.शा./क.के.मं/2018/1346

दिनांक 10.4.2.18

रोवा में,

शिक्षिक केर्यक्रिटी डीन (एस्टेट), राष्ट्रीय प्रोद्योगिकी संस्थान, कुरुक्षेत्र हरियाणा (मी. checue)(१)

पिन-136118/ र

विषय :

Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Half Complex and MBA/MCA Building at NIT, Kurukshetra.

संदर्भ

आपका पत्र सं0 CC/3506/93/590 दिनांक 01.02.2018.

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रूपये 74,13,100/- 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।

संलग्न :

उपरोक्त दो प्रतियों में। Along with line diagram भवदीय,

(इंजी. चरणजीत प्रसरीजा)

कार्यपालक अभियन्ता

करनाल केन्द्रीय मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि:-

 अधीक्षण अभियंता, चण्डीगढ केन्द्रीय परिमण्डल, के.लो.नि.वि, सैक्टर-१ए, केन्द्रीय सदन, चण्डीगढ पिन – 160009 को सूचनार्थ।

2. कार्यपालक अभियंता (वै.), करनाल केन्द्रीय वैद्युत मण्डल, के.लो.नि.वि, करनाल को उपरोक्त प्राक्कलन की एक प्रति प्रेषित है। जिसमें विद्युत पोरशन का प्रावधान भी लिया गया है यदि इसके अलावा और भी अन्य प्रावधान लिये जाने है तो आप उनका प्रारम्भिक अनुमान बनाकर चण्डीगढ़ केन्द्रीय परिमण्डल कार्यालय को भेज दें, तािक ग्राहक विभाग से प्रशासनिक स्वीकृति एवं मंजूरी प्राप्त हो सके।

3. सहायक अभियंता, कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता



Ist Copy



GOVERNMENT OF INDIA

केन्द्रीय लोक निर्माण विभाग

CENTRAL PUBLIC WORKS DEPARTMENT

एन.डी.आर.आई. कैम्पस करनाल-132001

N.D.R.I. Campus Karnal - 132001



Preliminary Estimate

Name of Work:-

Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA Building at NIT, Kurukshetra.

Estimate Cost:-

Rs. 74,13,100/-

Client:-

NIT Kurukshetra.

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R **Division: KCD**

Sub-Division: KCSD

NAME OF WORK:

Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA Building at NIT, Kurukshetra.

MAJOR HEAD MINOR HEAD

DETAIL HEAD

This preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Central Sub Division and further processed by Er. Mukesh Jain, Assistant Engineer (P), Karnal Central Division, CPWD, Karnal for Rs. 74,13,100/- i/c contingencies.

History:

This preliminary estimate amounting to Rs. 74,13,100/- i/c contingencies has been framed to cover the probable cost of the above mentioned work for accord of A/A & E/S by the competent authority. The requisition for the above said work has been received from Prof. I/C (Estate & Construction), NIT Kurukshetra vide letter No. CC/3506/93/590 dated 01.02.2018. (Sr. No. 7)

Design & Scope:

The following provisions have been made in this estimate as per the diagram showing terrace plan.

- 1. Estimate has been prepared as per PAR-2012 for connecting the existing corridor to the LHC and MBA block and to the existing Road.
- As the building load bearing structure, there is no prevision for vertical extension of the building in future.
- 3. Waiting area has not been considered & structure shall be load bearing single storeyed without provision of future vertical extension. (As decided by Professor I/c on 05.04.2018 in the chamber of SE/CCC)
- 4. Normal electrical provision 12.50% has been taken.

Specification:

CPWD Specification 2009 Vol. I & II.

T & P:

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

Land:

Available.

Rate:

PAR - 2012 plus Cost Index.

<u>Method:</u>

Through contract after call of tender.

<u>Time:</u>

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 74,13,100/- 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.

Assistant Engineer (P)
Karnal Central Division
CPWD, Karnal

Executive Engineer Karnal Central Division CPWD, Karnal

(Reference-Para 3.6.3)

LETTER OF ACCEPTANCE OF DEPOSIT WORKS

(To be issued to the client department)

To r

डीन (एस्टेट), राष्ट्रीय प्रोद्योगिकी संस्थान, कुरुक्षेत्र हरियाणा। पिन-136118

Sub :- Execution of Deposit works.

Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA Building at NIT, Kurukshetra.

The above work can be taken up by the CPWD as a Deposit work under Para 118-119 of CPWD Code, subject to the following:

- 1. Full estimated cost of work as worked out by CPWD including departmental charges will have to be deposited by the client department before the work is taken up for execution. No interest will be paid by CPWD to the client department for such deposits.
- 2. The client department should hand over vacant possession of land/site to CPWD. CPWD may, if so required, take responsibility for demolition /disposal of existing buildings/structures.
- 3. CPWD does not bind itself to complete the work within the estimated cost. If additional fund are required, the same will have to be provided by the client department. Necessary revised estimate will be submitted as and when required.
- 4. 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.
- 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 deposit 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 addition to the payments made to the contractors for execution of work.
- 6. 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 whose approvals are required before taking up the construction work. These local bodies are independent organization and CPWD has no control over them. These local bodies taken their own time for approving the Plans. 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.
- 7. The CPWD has no funds of its own for investing in the work. The client 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.
- 8. 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 boards/authority.
- 9. CPWD may at its discretion allow the clients to deposit the funds in installments. In such case 33 1/3% would be retained for adjustment against the last portion of the estimated expenditure.
- 10. In case where funds are deposited in installments, CPWD will not be responsible for any delay, damage, stoppage of work, claims of contractors for compensation/damages etc. due to non-receipt of funds in time.

You are requested to convey acceptance of the above to enable this office to proceed further.

Yours faithfully,

Executive Engineer, Karnal Central Division, CPWD, NDRI Campus, KARNAL-132001 (Hry.)

-54-

Preliminary Estimate

Name of Ork: Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture Hall Complex and MBA/MCA Building at NIT, Kurukshetra.

SLN o	Description	Qty	Unit	Rate	Amount	PAR No.
1	Load bearing single storey					1
1.1.1	Floor height 3.35mtr.(Office/ College/ Hospital)	339	sq.mtr.	15000.00	5085000.00	2.1.1
1.2	SERVICES					1.2
1.2.1	Internal electrical installation. (Non resi. Bldg)		100 B.			
		5085000.00	cost.	12.50	635625.00	1.2.8
	Total				5720625.00	
	Add Cost Index @6% (On Estimate Total					
	1,08,65,813.00)				343238.00	
	Grand Total			(A)	6063863.00	
	Add Contingencies on (A) @ 5%				303193.00	
	Add Labour Cess on (A) @ 1%				60639.00	
	Add GST on (A) @ 12%				727664.00	
	Add EPF & ESIC on (A) @ 4.25%				257714.00	
	Grand Total				7413073.00	
	Say Rs.				74,13,100/-	
					·	
				1		
	whin/	•		7		
			EXEC	UTIVE ENGI	NEER	
	ASSISTANT ENGINEER (P)		KARNAL	CENTRAL D	IVISION	
			CF	WD, KARNA	NL	

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No.100/3492/864/ 7/74

Dated 30.12.2019

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	
1.	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 i.e. ECE, School of Material Science
	& Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design &
	Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the
	Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall
	Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's
	hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two
	wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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

before the ensuing Building & Works Committee

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

Sr.	Name of Works	Approved From			
No.		B&WC	FC	BOG	
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.				
2.	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				
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6				
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.				
5.	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.	25th held on	41st held on 20.06.2019	50th held on 20.06.2019	
3.	Re-carpeting of various roads in the Institutional and Hostel areas.				
7.	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. Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court				
	Water Proofing Treatment of Cafeteria in Open Air Theatre.				
0.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.				
1.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	الدسور سرور			
2.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.				
3.	Construction of shed for covering the sports complex stairs.	23rd held	35th	42nd	
4.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	on03.06.2	held on 05.06.2017	held on 27.06.2017	
5.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market				
	Complex		Navy Marcha		
	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works		

The to Introcal action of submitted for approval please.

SR-2019

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

Registrar Office Dairy No. 4038 3.12.19

Director





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

Diary No. 128
Dated 24/11/2020

कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग, एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ इंडिया, करनाल -132001 दूरभाष : 0184-2250690

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnai-132001. Phone: 0184-2250690

Fax: 0184-2250660 E-mail: cpwdckamal@gmail.com

संख्याः- २०(NIT)/यो.शा./क.मं/२०२०/ // ५

देनांक <u>और / १ /</u> 200

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

विषय : Construction

फैक्स : 0184-2250660

Construction of extension of existing corridor from New Workshop Building to

12 nos. lecture hall complex and MBA/MCA building at NIT, kurukshetra.

संदर्भ :

आपका पत्र सं०/CC/3492/864/7194 दिनांक 30.12.2019

महोदय,

उपरोक्त कार्य का संशोधित प्रारम्भिक अनुमान जिसकी राशि 88,42,400/— रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की संशोधित प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय.

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: Karnal Sub-Division: KKR

NAME OF WORK:

Construction of extension of existing corridor from New Workshop Building to 12 nos. lecture hall complex and MBA/MCA building at NIT, kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This revised preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 88,42,400/- i/c contingencies.

REFORUSE

History:

This revised preliminary estimate amounting to Rs. 88,42,400/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The earlier modified preliminary estimate amounting to Rs. 74,13,100/- was sent to NIT vide this office letter No. 20(142)/PB/KCD/2018/1346 dated 10.04.2018 based on PAR - 2012 with cost index 106 of Kurukshetra w.e.f. 01.01.2017 against which the A/A & E/S amounting to Rs. 74,13,100/- was conveyed by NIT vide letter No. /CC/3525/630/5827 dated 04.10.2019. However, now as per fresh requisition received from NIT vide letter No. /CC/3492/864/7194 dated 30.12.2019 (Sr. No. 4) this revised estimate has been re-framed based on Plinth Area Rates - 2019. Accordingly this revised estimate amounting to Rs. 88,42,400/- has been prepared for obtaining A/A & E/S from the competent authority. This revised preliminary estimate supersede the previous modified office . submitted vide this letter No. preliminary estimate already 20(142)/PB/KCD/2018/1346 dated 10.04.2018.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Estimate has been prepared as per PAR 2019 for connecting the existing corridor to the LHC and MBA block and to the existing road.
- 2. The building is load bearing structure (upto four storeys) Floor height 2.90mtr.(Office/School/ College).
- 3. Normal electrical provision 12.50% has been kept.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.
- 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 PAR - 2019 rates.

Method:

Through contract after call of tender.

Time:

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 88,42,400/- i/c 5% 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.

Sr/Draughtsman Karnal Division CPWD, Karnal Executive Engineer Karnal Division CPWD, Karnal

Name	of Work:	Construction of extension of existing con	rridor from	New Wor	kshop Buil	ding to 12 ne	
		lecture hall complex and MBA/MCA building at NIT, kurukshetra.					
SL.	- AR No.	Description	Qty	Unit	Rate	Amount	
No	· · · · · · · · · · · · · · · · · · ·						
		BUILDING WORK	<u> </u>				
1	1	BUILDING COST (Specifications as per Annexure- II)					
1.1	1.2	Load bearing structure (upto four storeys)					
1.1.1	1.2.1	Floor height 3.60mtr.(Office/School/ College)	339.40	sq.mtr.	21700.00	7364980.00	
1.2	1.3	Deduct FOR		, ,			
1.2.1	1.3.2	Every 0.3mtr. Additional/ lesser height of floor				•	
ļ	į	above normal floor height of 3.60mtr./ 2.90mtr.					
		(335 x 0.70/0.30)=781.67	339.40	sq.mtr.	-781.67	-265299.00	
		TOTAL (A)				7099681.00	
		ELECTRICAL WORK					
2	2	SERVICES	:				
2.1	2.3	Internal electric installations					
2.1.1	2.3.1	Internal electric installations.(Office/ College)	7364980.00	100 B.cost	12.50	920623.00	
		TOTAL (B)				920623.00	
		·					
	_ 						
		-sd/-		-60	4/_		
		Junior Engineer		-sd/- Assistant Engineer			
		Kurukshetra Central Sub Division		Kurukshetra Central Sub Division		ıb Division	
		CPWD, Kurukshetra		CPWD, Kurukshetra		D D11101011	
				5. 115, 110			
		.1. /		0	4-		
		Molik		geash	int		
		Sy. Draughtsman		Executive Engineer			
		Karnal Division		Karnal Division			
	. (CPWD, Karnal		CPWD, Kar	nal		

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. rio. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.

- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPWD the same will be discussed in the ensuing meeting of EAC.

Ole-

Annexure-II

	Alliexale-ii
Sr. No.	List of works to be put up before the B&WC in its ensuing meeting that is going to be held very shortly.
1.	Providing & fixing of vitrified floor tiles, false ceiling, aluminium
1	partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet
i	
1	shade etc. in the various departments i.e. ECE, School of Material
1	Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy.
i	Deptt., School of VLSI Design & Embedded System, Central Workshop,
L.	CED and Chemistry Deptt. etc.
2.	Provision of Internal & External finishing i.e. distempering & painting
ļ	including minor & major repair in the Boys Hostel No. 1 - 3 & 7 - 10, Girls
1	Hostels 1 - 4 and Staff Quarters including BT/CT.
3.	Provision of Internal & External finishing i.e. distempering & painting
J 3.	
<u></u>	including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop
_	Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	Strengthening of existing Cement Concrete pavement/road from North
	East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA
ł	Department and road between Jubilee Hall & Library including
ļ	arrangement of drainage of storm water.
_	Re-carpeting of various roads in the Institutional and Hostel areas.
6.	
7.	Widening of various roads in the Institute
İ	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
1	the provision of footpath as per site requirement.
l	iii Road from Junction near disposal pump to North West corner of Guest
	House.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and
	MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing
13.	
	a gate & parking shed for two wheelers along the in-side boundary wall
	towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking
	near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts
	with light facility etc. by dismantling the existing Tennis court.
16	Provision of two nos. sheds near Main Porch in Golden Jubilee
16.	
	Administrative Building.
17.	Construction of Inter Locking Paver Blocks road surrounding STP and
•••	Oxidation Pond.
	Oxidation Folia.

BWC 26.5 To consider and approve the Revised Detailed Cost Estimate 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.

The work 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 was approved by B&WC in its 25th B&WC meeting held on 27.05.2019 vide item No. 25.7 for an amount of Rs. 87,13,400/- and subsequently approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 is enclosed as Appendix-XI from page 66 to 68.

Further, it is worth mentioning here that the A/A & E/S for an amount of Rs. 87,13,400/- for the work of 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 was conveyed to CPWD vide letter no. CC/3571/627/5838 dated 04.10.2019 is enclosed as **Appendix-XII on page 69.**

After conveying the A/A & E/S the matter was discussed with the CPWD authority regarding commencement of the work. In this regard CPWD intimated that the above said cost estimate of Rs. 87,13,400/- submitted by Executive Engineer (Civil), CPWD vide letter no. 20(142)/PS/KCD/2018/4720 dated 27.12.2018 on the basis of DSR-2016. However, this work was not executed due to introduction of DSR-2018 and the cost estimate is required to be modified on the basis of DSR-2018. Accordingly, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for the work of 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 after approval of the competent authority is enclosed as **Appendix-XIII from page 70 to 78**.

Accordingly, the Superintending Engineer, CPWD (Civil), Karnal submitted the revised detailed cost estimate for an amount of Rs. 1,04,33,700/- based on DSR-2018 vide letter No. NIT-KKR/SE/Karnal/2020/91 dated 23.01.2020 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 is enclosed as <u>Appendix-XIV</u> from <u>page 79 to 84</u>.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the revised detailed cost estimate of Rs. 1,04,33,700/- received from CPWD 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 was putup before the competent authority for approval. After approval of the competent authority the revised cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XV** from page 85 to 86.

The Building & Works Committee may consider and approve the revised detailed cost estimate for an amount of 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.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA-136119

Minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

1. Dr. Satish Kumar

Chairman

Director, National Institute of Technology, Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology, Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001

5. Er. C.J. Pasrija

Member ,

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

6. Prof. S. M. Gupta

Special Invitee

Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra.



Page 8

BWC 25.6 To consider and approve the cost estimate for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 1,01,24,100/- for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus of the Institute.

BWC 25.7 To consider and approve the detailed Cost Estimate 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.

The Building and Works Committee noted that this work i.e. cement concrete pavement was constructed about 30 years back which has been deteriorated significantly. After detailed deliberations, the B&WC decided that the while carrying out the special repairs & maintenance the existing pavements be used as base course which saves the cost of concrete. It was further resolved that the proper drainage along the road be ensured as per site requirement to avoid stagnation of water on the surface of concrete road after construction as preventive maintenance.

In view of the above the B&WC approved the cost estimate with an amount of Rs. 87,13,400/- for special repairs and maintenance (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 of the Institute.

BWC 25.8 To consider and approve the detailed Cost Estimate for re-carpeting of various roads in the Institutional and Hostel areas.

The BWC noted that the repair & maintenance (re-carpeting) of the proposed roads was last carried out in 2011 about 4500 mtrs. and 2013 about 2500 mtrs. Of the total road length of about 7000 mtrs.

In view of this, the Building and Works Committee approved the cost

Sorry Sys

27 30 df. 19 == 15/19

Dated, 98/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: 18.07.2019

19

The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77,20,525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts)

.....

22/7/19

2. Assistant Engineer (Civil)

SA 22/119

Jane 23/13

21/119

Appendix - XII

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3571/697 /5838

Dated *O4*.10.2019

To

7

The Executive Engineer (Civil),

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

Administrative Approval & Expenditure Sanction 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.

Reference:

MoU dated 20.12.2012 and approval of the Hon'ble Director on dated

03.10.2019

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject with the cost estimate as under:

Sr. No.	Name of Work	Cost of Work
1	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.	seven lacs thirteen thousand four

It is important to note that CPWD will provide the detailed cost estimate (DNIT) along with detailed architectural drawings for approval from the competent authority of the Institute before calling the tender.

Further, it is also important to note that the above said work must be completed by 31.03.2020 positively alongwith submission of a copy of final bill in the Institute.

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

Prof. I/C (Estate & Construction)

Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Civil), NITK
- 5. J.E. (Civil), NITK
- 6. SS to Registrar for kind information of Registrar
- 7. SS to Director for kind information of the Hon'ble Director\
- 8. A.E. (Civil), CPWD NIT Camp Office
- 9. The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India, Karnal-132001
- 11. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh





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



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग, एग.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ इंडिया, करनाल -132001 दूरभाष : 0184-2250690

फैक्स : 0184-2250660

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690 Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्याः- 20(142)/यो.शा./क.के.मं/2018/**472**o

दिनांक. 27-12-2 **।** ४

सेवा में,

डीन (एस्टेट), राष्ट्रीय प्रोद्योगिकी संस्थान कुरुक्षेत्र हरियागा।

पिन-136118

विषय ः

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.

संदर्भ :

आपका पत्र सं0 EO/780/5971 दिनांक 12.12.2018.

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रूपये 87,13,400/- 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,

संलग्न :

उपरोक्त दो प्रतियों में।

(इंजी. चरणजीत प्रसरीजा) कार्यपालक अभियन्ता करनाल केन्द्रीय मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

पतिलिपि:-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 24(8)/A.E.K./2018/284 दिनांक 21.12.2018 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता



Ist Copy

GOVERNMENT OF INDIA

केन्द्रीय लोक निर्माण विभाग

CENTRAL PUBLIC WORKS DEPARTMENT

एन.डी.आर.आई. कैम्पस करनाल-132001

N.D.R.I. Campus Karnal – 132001



Preliminary Estimate

Name of Work:-

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.

Estimate Cost:-

Rs. 87,13,400/-

Client:-

NIT Kurukshetra

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R **Division: KCD**

Sub-Division: KCSD

NAME OF WORK:

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 Hali & Library including arrangement of drainage of

storm water at NIT, Kurukshetra.

MAJOR HEAD

MINOR HEAD

DETAIL HEAD

This preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Central Sub Division and further processed by Er. Vipin Kumar Arora, Assistant Engineer (P), Karnal Central Division, CPWD, Karnal for Rs. 87,13,400/- i/c contingencies.

THEODES!

History:

This preliminary estimate amounting to Rs. 87,13,400/- i/c contingencies has been framed to cover the probable cost of the above mentioned work for accord of A/A & E/S by the competent authority. The requisition for the above cited work has been received from client department vide their office letter No. EO/780/5971 dated 12.12.2018. Hence this estimate has been framed.

Design & Scope:

The following provisions have been made in this estimate: -

- 1. Excavating trenches of required width for pipes, cables, etc including excavation for sockets.
- 2. Providing and laying in position cement concrete of specified grade 1:5:10.
- Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant.
- 4. Cutting of groove of size 10mm x 50mm in vaccum dewatered concrete.

Specification:

CPWD Specification 2009 Vol. I & II.

T & P:

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

Land:

Available with client department.

Rate:

As per DSR - 2016 rates.

Method:

Through contract after call of tender.

Time:

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 87,13,400/- 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.

Assistant Engineer (P)
Karnal Central Division
CPWD. Karnal

Executive Engineer Karnal Central Division CPWD, Karnal

(Reference-Para 3.6.3)

LETTER OF ACCEPTANCE OF DEPOSIT WORKS

(To be issued to the client department)

डीन (एस्टेट), राष्ट्रीय प्रोद्योगिकी संस्थान, कुरुक्षेत्र हरियाणा।

Sub :- Execution of Deposit works.

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.

The above work can be taken up by the CPWD as a Deposit work under Para 118-119 of CPWD Code, subject to the following:

- Full estimated cost of work as worked out by CPWD including departmental charges will have to be deposited by the client department before the work is taken up for execution. No interest will be paid by CPWD to the client department for such
- The client department should hand over vacant possession of land/site to CPWD. CPWD may, if so required, take 2. responsibility for demolition /disposal of existing buildings/structures.
- CPWD does not bind itself to complete the work within the estimated cost. If additional fund are required, the same will 3. have to be provided by the client department. Necessary revised estimate will be submitted as and when required.
- 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.
- 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 deposit 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 addition to the payments made to the contractors for execution of work.
- 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 whose approvals are required before taking up the construction work. These local bodies are independent organization and CPWD has no control over them. These local bodies taken their own time for approving the Plans. 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.
- The CPWD has no funds of its own for investing in the work. The client 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.
- 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 boards/authority.
- CPWD may at its discretion allow the clients to deposit the funds in installments. In such case 33 1/3% would be retained for adjustment against the last portion of the estimated expenditure.
- 10. In case where funds are deposited in installments, CPWD will not be responsible for any delay, damage, stoppage of work, claims of contractors for compensation/damages etc. due to non-receipt of funds in time.

You are requested to convey acceptance of the above to enable this office to proceed further.

Yours faithfully,

Executive Engineer, Karnal Central Division, CPWD, NDRI Campus, KARNAL-132001 (Hry.) Fremminary Estimate

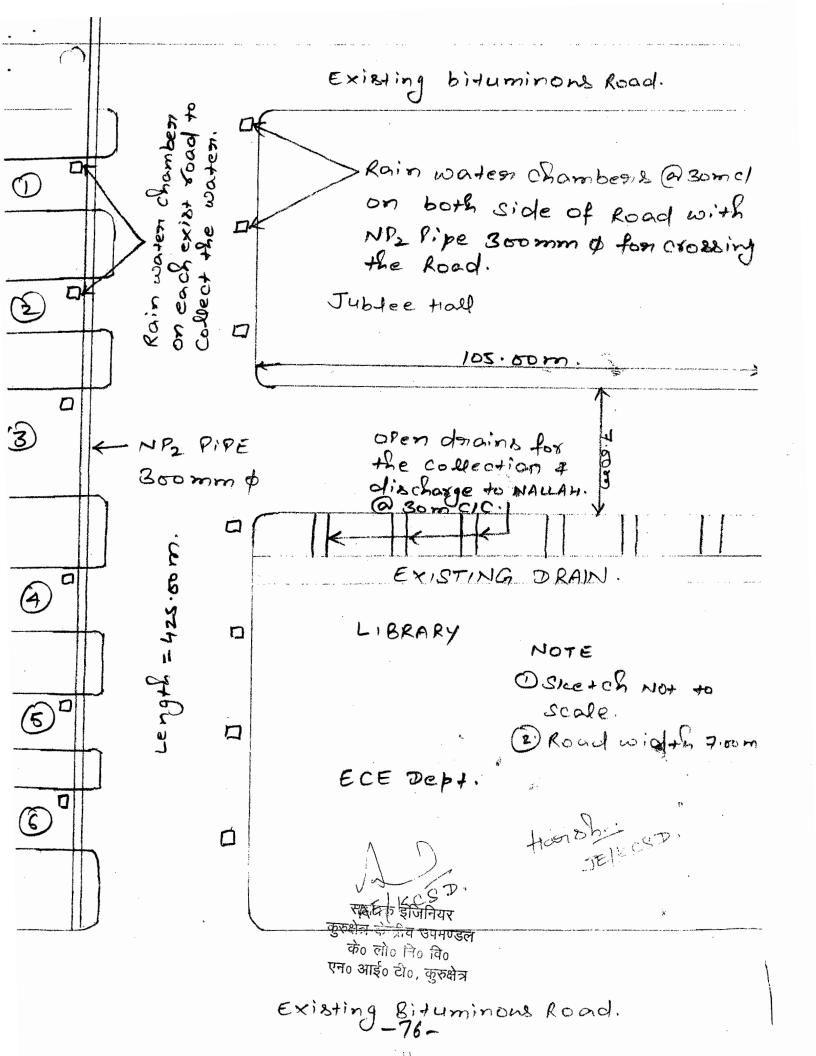
Name of

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.

<u> </u>	<u> </u>					
SL. No.	DSR No.	Description	Qty	Unit	Rate	Amount
1	2.1	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
1.1		All kinds of soil				
1.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not	520	metre	225.45	119489.00
2	4.1	exceeding 300 mm dia Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:		mene	220.40	119409.00
2.1	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	1	cum	5924.65	5925.00
2.2	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	46	cum	4209.05	193616.00
3	6.12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :				
3.1	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	15	sqm	593.50	8903.00
4	13.4	12 mm cement plaster of mix :				
4.1		1:6 (1 cement: 6 coarse sand)	21	sqm	168.25	3533.00
5	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
5.1		Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	44	cum	997.05	43870.00
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.	44	cum	120.55	5304.00
7	16.46	Providing and laying in position bitumen hot sealing compound for expansion joints etc.				
7.1		Using grade 'A' sealing compound.	13550	Per cm depth per cm width per m length	2.20	29810.00
8		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).	10000	an gui		23310.00
			900	cum	6912.15	6220935.00

_74-

	10.02	central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	,	metre	16.05	20464.00
10	16.85	Laying at or near ground level old kerb stones of all types 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				
		of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-incharge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost)		metre	48.90	62348.00
11	19.6	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 :				• •
11.1	19.6.4	300 mm dia. R.C.C. pipe	530	metre	518.55	274832.00
12	19.21	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal		•		
		size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating			1	
		coat of neat cement and making necessary channels for the drain etc. complete:				•
12.1	19.21.2	For pipes 250 to 300 mm diameter	2	each	463.45	927.00
13	19.29	Constructing brick masonry road gully chamber 110x50x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame and vertical grating				·
		complete as per standard design :	-			
13.1	19.29.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	36	each	7522.15	270797.00
14		Cutting of groove of size 10mm x 50mm in vaccum				
		dewatered concrete for dummy joint by groove cutting				
		machine as per direction of Engineer-in-Charge. TOTAL	2706.2	metre	132.25	357895.00 7618648.00
		Add Cost Index @3.92% (Except Item No. 14 Total	,			
		72,60,753.00)	3.92%			284622.00
		TOTAL	E 000/		(A)	7903270.00
		Add Contingencies on (A) @ Add Labour Cess on (A) @	5.00% 1.00%			395164.00 79033.00
		Add EPF & ESIC on (A) @	4.250%		·	335889.00
		Grand Total	0070	, :		8713356.00
					Say Rs.	87,13,400/-
					1	
	9				-	
	Assistant	t Engineer (P)		Exec	utive Engi	neer
-					Central Di	
					PWD, Karna	



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. 100/3492/864/ 7174

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's
İ	hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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

before the ensuing Building & Works Committee or a

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

file	e). The detail is given as under:					
Sr. No.	Name of Works	Approved From				
110.		B&WC	FC	BOG		
1.	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 i.e. ECE. School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.					
2.	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					
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6					
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.					
5.	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.	25th heid on	41st held on 20.06.2019	50th held on 20.06.2019		
6.	Re-carpeting of various roads in the Institutional and Hostel areas.					
7.	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.					
8.	Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court					
9.	Water Proofing Treatment of Cafeteria in Open Air Theatre.					
10.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.					
11.	Renovation/upgradation including Civil, Electrical/ and Audio System works in the Senate Hall.	שבווניייון				
12.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.					
13.	Construction of shed for covering the sports complex stairs.	23rd held	35th	42 nd		
14.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	on03.06.2	held on 05.06.2017	held on 27.06.2017		
15.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex					
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building	<u>-</u>	New Works			
17.	Construction of Inter Locking Paver Block roads surrounding STP and Oxidation Pond.					

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate Die to Interoduction of for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

Submitted for approval please.

Registrar Office Dairy No. 4038 ₹3.14.14

Dean (PED)

ESTATE SECTION



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

Diary No. 129....

Dated. 2M 10/1.297-0



कार्यालय अधीक्षण अभियंता केन्द्रीय लोक निर्माण विभाग,

करनाल -132001 दूरभाष : 0184-2250690

फैक्स : 0184-2250660 ई-मेल secnwdkamal@omail.com



Office of the Suprintending Engineer, Central Public Works Department, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

secpwdkamal@gmail.com

संख्याः- NIT-KKR/अ.अभि./करनाल/2020/ q

विनाक ... १३ ...) 2020

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

2501M

विषय :

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.

संदर्भ :

पत्र सं0 /CC/3492/864/7194 दिनांक 30.12.2019 के संदर्भ में।

महोदय,

उपरोक्त कार्य का संशोधित प्रारम्भिक/विस्तृत अनुमान जिसकी राशि 1,04,33,700/— रूपये हैं, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की संशोधित प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें। यह अनुमान मण्डल कार्यालय के पत्र सं0 20(142)/PB/KCD/2018/4720 दिनांक 27.12.2018 के द्वारा पूर्व में प्रेषित किए गए प्रारम्भिक अनुमान को Supersede करता है।

संलग्न : अनुमान दो प्रतियों में।

भवदीय,

अधीक्षण अभियन्ता करनाल परिमण्डल, के.लो.नि.वि, करनाल।

पतिलिपि :-

1. कार्यपालक अभियंता, करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल – १ १२००१ को सूचनार्थ।

अधीक्षण अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R

(

Division: Karnal
Sub-Division: KKR

NAME OF WORK:

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.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This revised preliminary cum detailed estimate framed by Er. Prashant Agarwal, Executive Engineer, Karnal Division, CPWD, Karnal and further processed in the O/o Superintending Engineer, Karnal Circle, CPWD, Karnal for Rs. 1,04,33,700/- i/c contingencies.

ाराचार्का है।

History:

This revised preliminary cum detailed estimate amounting to Rs. 1,04,33,700/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord revised A/A & E/S by the competent authority. The earlier preliminary cum detailed estimate amounting to Rs. 87,13,400/- was sent to the client department vide letter No. 20(142)/PB/KCD/2018/4720 dated 27.12.2018 based on DSR - 2016 with cost index 3.92% of Kurukshetra w.e.f. 01.01.2017 against which the A/A & E/S amounting to Rs. 87,13,400/- was conveyed from the client department vide their office letter No. CC/3571/627/5838 dated 04.10.2019. However, now a fresh requisition has been received from the client department vide their office letter No. /CC/3492/864/7194 dated 30.12.2019 (Sr. No. 5). Accordingly this revised preliminary cum detailed estimate amounting to Rs. 1,04,33,700/- based on DSR - 2018 has been prepared for obtaining revised A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Excavating trenches of required width for pipes, cables, etc for laying the 300mm dia NP2 pipes along the road for proper drainage.
- 2. Demolishing cement concrete in the worn out area and replacing the same with cement concrete of specified grade 1:5:10.
- 3. Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant on the road from north east Corner of CCN to Junction between Cauvery Hostel & MBA/MCA department and road between Jubilee Hall & Library.
- 4. Cutting of groove of size 10mm x 50mm in vacuum dewatered concrete along the length and width of the road.
- 5. Raising the height of existing kerb stone by removing and relaying the same to match the profile of newly constructed road.
- 6. Provision of NP2 class (light duty) RCC pipes along the road from North East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA department and surface drain for the road between Jubilee Hall & Library.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.

- 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 - 2018 rates.

Method:

Through contract after call of tender.

Time:

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 1,04,33,700/- i/c 5% 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.

Assistant Engineer (Admn.)

Karnal Circle CPWD, Karnal Executive Engineer
Karnal Division
CPWD, Karnal

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		CCN to Junction between Cauvery Hostel & WIBA/		_		
`		Jubilee Hall & Library including arrangement of	i drain	age of	storm wa	iter at NI
		Kurukshetra.				
SL.	DSR	Description	Qty	Unit	Rate	Amount
No 1	No.	EARTH WORK			 	
1.1	2.1	Excavating trenches of required width for pipes, cables, etc				
		including excavation for sockets, and dressing of sides,				ļ
		ramming of bottoms, depth upto 1.5 m, including getting out				
		the excavated soil, and then returning the soil as required, in				1
1		layers not exceeding 20 cm in depth, including consolidating				
}		each deposited layer by ramming, watering, etc. and disposing				
		of surplus excavated soil as directed, within a lead of 50 m:				
1.1.1	2.10.1	All kinds of soil			-	
1.1.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300				
		mm dia	530	metre	364.20	193026.00
				ļ		
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	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from		ļ		
[2.1.1	7.1.2	natural sources : 3 graded stone aggregate 20 mm nominal				
		size derived from natural sources).	1	cum	7210.55	7211.00
						1
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).	46	cum	5520.30	253934.00
3	6	MASONRY WORK			· · · · · · · · · · · · · · · · · · ·	
3.1	6.12	Half brick masonry with common burnt clay F.P.S. (non				
		modular) bricks of class designation 7.5 in foundations and				
		plinth in :				
3.1.1	6.12.2	cement mortar 1:4 (1 cement : 4 coarse sand)	15	sqm	773.75	11606.00
4	13	FINISHING				
4.1		12 mm cement plaster of mix :				
4.1.1		1:6 (1 cement: 6 coarse sand)	21	sqm	263.55	5535.00
5		DISMANTLING AND DEMOLISHING				
5.1	1	Demolishing cement concrete manually/ by mechanical				
	1	means including disposal of material within 50 metres lead as				
		per direction of Engineer - in - charge.				
5.1.1		Nominal concrete 1:3:6 or richer mix (i/c equivalent design	44	cum	1737.45	76448.00
-		mix)	- 44	cum	1/3/.43	70448.00
5.2	15.6	Disposal of building rubbish / malba / similar unserviceable,				
	1	dismantled or waste materials by mechanical means,				
	- 1	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.	44	cum	138.85	6109.00
						· ·

CCN to Junction between Cauvery Hostel & MBA/MCA department and road betwee

Work:-

		compound for expansion joints etc.				
6.1.7	16.46.1	Using grade 'A' sealing compound.	13550	per cm depth per cm width per metre length	3.30	44715.00
6.2	16.75	Providing and laying C.C. pavement of mix M-25 with ready				
		mixed concrete from batching plant. The ready mixed		1		
		concrete shall be laid and finished with screed board vibrator,		1		
		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).	900	cum	8663.05	7796745.0
	10.00					
6.3	16.82	Taking out existing kerb stones of all types from footpath/ central				
		verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made				
		separately and stacking of serviceable material within 50 metre				
		lead as per direction of Engineer-in-Charge.	1275	metre	28.05	35764.00
		read as per direction of Engineer in Charge.		c.rc	20.03	33705
6.4	16.85	Laying at or near ground level old kerb stones of all types 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 of joints,				
		except at sharp curve, shall not be more than 5 mm), including				
		making drainage opening wherever required etc. complete as				
		per direction of Engineer-in-charge. (Length of finished kerb				
		edging shall be measured for payment). (Old kerb stones shall				
		be supplied by the department free of cost)	1275	metre	82.95	105761.00
7	19	DRAINAGE				
7.1		Providing and laying non-pressure NP2 class (light duty) R.C.C.				
	1	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 :				1
7.1.1		300 mm dia. R.C.C. pipe	530	metre	863.65	457735.00
7.2	19.21	Making connection of drain or sewer line with existing				
7.2		manhole including breaking into and making good the walls,				
ĺ	1	floors with cement concrete 1:2:4 mix (1 cement : 2 coarse				
		sand : 4 graded stone aggregate 20 mm nominal size) cement				
		plastered on both sides with cement mortar 1:3 (1 cement : 3			ĺ	
		coarse sand), finished with a floating coat of neat cement and				
	1	making necessary channels for the drain etc. complete:				
.2.1		For pipes 250 to 300 mm diameter	2	each	717.30	1435.00
7.3	1	Constructing brick masonry road gully chamber 110x50x77.5				
	1	cm with bricks in cement mortar 1:4 (1 cement : 4 coarse				
	1	sand) including 500x450 mm precast R.C.C. horizontal grating				
		with frame and vertical grating complete as per standard				1
2.4		design: With common burnt clay F.P.S. (non modular) bricks of class				
.3.1	1	designation 7.5	36	each	9849.15	354569.00
		DECOMPTION / 5	30	Cacii	J04J.1J	JJ4JUJ.UU

	, j a) greete outenig muonime as per				
	direction of Engineer-in-Charge.	2707	metre	152.99	414144.00
(TOTAL			(A)	9764737.00
	Add Contingencies on (A) @	5.00%			488237.00
	Add Labour Cess on (A) @	1.00%			97647.00
	Add EPF & ESIC on (A) @	0.85%		,	83000.00
	Grand Total				10433621.0
				Say Rs.	1,04,33,700
	Myain		0	. +	
			gas	hant	
	Assistant Engineer (Admn.)		Executi	ve Engine	er
	Karnal Circle		Karnal [Division	
	CPWD, Karnal		CPWD,	Karnal	
	AD .				i.
	Superinten	ding Engin	eer		
	Karnal Circ	le			
	CPWD, Ka	rnal			

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

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The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/giass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the institute.

- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPVD the same will be discussed in the ensuing meeting of EAC.

Al-_-

Annexure-II

Sr. List of wor	
No. that is goir	ks to be put up before the B&WC in its ensuing meeting ng to be held very shortly.
1. Providing partitioning, shade etc. Science & Toeptt., School CED and C	& fixing of vitrified floor tiles, false ceiling, aluminium kota stone chemical/acid resistance tiles and G.I. Sheet in the various departments i.e. ECE, School of Material Fechnology, MED, Physical Edu. & Sports Section, CAD, Physical of VLSI Design & Embedded System, Central Workshop, hemistry Deptt. etc.
including mi	of Internal & External finishing i.e. distempering & painting inor & major repair in the Boys Hostel No. 1 - 3 & 7 - 10, Girls 4 and Staff Quarters including BT/CT.
	f Internal & External finishing i.e. distempering & painting nor & major repair in the Boys Hostel No. 4, 5 & 6.
4. Construction	n of extension of existing corridor from New Workshop 12 nos. Lecture hall Complex and MBA/MCA building.
5. Strengthenii East Cornei Department arrangemen	ng of existing Cement Concrete pavement/road from North r of CCN to Junction between Cauvery Hostel & MBA/MCA and road between Jubilee Hall & Library including t of drainage of storm water.
	g of various roads in the Institutional and Hostel areas.
i Road from No. 7 & 8 ald ii Road from the provision	various roads in the Institute om Apollo Canteen to Security Check Post between Hostel ong with the provision of footpath as per site requirement. on Tubewell No. 5 to Junction near disposal pump along with on of footpath as per site requirement. on Junction near disposal pump to North West corner of Guest
	ing Treatment of Cafeteria in Open Air Theatre.
furniture wor	upgradation including Civil, Electrical, Audio System and ks in the Jubilee Hall.
furniture wor	upgradation including Civil, Electrical, Audio System and ks in the Senate Hall.
MMCA office	with tiles in the common room, dinning hall, warden office and in the old boy's hostel No. (1-6) and girl's hostel No. 1.
	of shed for covering the sports complex stairs.
a gate & pa towards wes	
	shed for parking only for four wheelers in the existing parking rket Complex.
15. Detailed cos	t estimate for construction of 3 Nos. Synthetic Tennis courts ility etc. by dismantling the existing Tennis court.
with light fac	inty etc. by districting the existing hermis court.
	f two nos. sheds near Main Porch in Golden Jubilee

BWC 26.6 To consider and approve the Revised Detailed Cost Estimate for re-carpeting of various roads in the Institutional and Hostel areas at NIT, Kurukshetra.

The work for re-carpeting of various roads in the Institutional and Hostel areas was approved for an amount of Rs. 1,11,15,900/- by B&WC in its 25th meeting held on 27.05.2019 vide item No. 25.8 and subsequently approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 is enclosed as **Appendix-XVI** from page 89 to 92.

Further, it is worth mentioning here that the A/A & E/S for an amount of Rs. 1,11,15,900/- for re-carpeting of various roads in the Institutional and Hostel areas was conveyed to CPWD vide letter no. CC/3572/628/5839 dated 04.10.2019 is enclosed as **Appendix-XVII** on page 93.

After conveying the A/A & E/S the matter was discussed with the CPWD authority regarding commencement of the work. In this regard CPWD intimated that the above said cost estimate of Rs. 1,11,15,900/- submitted by Executive Engineer (P), Chandigarh Central Circle, CPWD vide letter no. CCC/23(4515)W-III/2018-19/178 dated 24.01.2019 was framed on the basis of DSR-2016. However, this work was not executed due to introduction of DSR-2018 and the cost estimate is required to be modified on the basis of DSR-2018. Accordingly, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for re-carpeting of various roads in the Institutional and Hostel areas after approval of the competent authority is enclosed as **Appendix-XVIII** from page 94 to 101.

Thereafter, the Superintending Engineer (Civil), CPWD, Karnal submitted the revised detailed cost estimate for an amount of Rs. 1,54,23,200/- based on DSR-2018 for re-carpeting of various roads in the Institutional and Hostel areas vide letter No. NIT-KKR/SE/Karnal/2020/90 dated 23.01.2020 is enclosed as Appendix-XIX from page 102 to 106.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the revised detailed cost estimate of Rs. 1,54,23,200/- received from CPWD for re-carpeting of various roads in the Institutional and Hostel areas was put up before the competent authority for approval. After approval of the competent authority the revised detailed cost estimate is put up before the Building & Works Committee for approval.

The Building & Works Committee may consider and approve the revised detailed cost estimate for an amount of Rs. 1,54,23,200/- for re-carpeting of various roads in the Institutional and Hostel areas.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA-136119

Minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

1. Dr. Satish Kumar

Chairman

Director, National Institute of Technology, Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology, Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001

5. Er. C.J. Pasrija

Member

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

6. Prof. S. M. Gupta

Special Invitee

Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra.



BWC 25.6 To consider and approve the cost estimate for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus.

The Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 1,01,24,100/- for design of treated water supply line from STP to dual flushing system in 600 seater girls hostel, 300 seater multipurpose boys hostel and for horticulture purpose in the campus of the Institute.

BWC 25.7 To consider and approve the detailed Cost Estimate 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.

The Building and Works Committee noted that this work i.e. cement concrete pavement was constructed about 30 years back which has been deteriorated significantly. After detailed deliberations, the B&WC decided that the while carrying out the special repairs & maintenance the existing pavements be used as base course which saves the cost of concrete. It was further resolved that the proper drainage along the road be ensured as per site requirement to avoid stagnation of water on the surface of concrete road after construction as preventive maintenance.

In view of the above the B&WC approved the cost estimate with an amount of Rs. 87,13,400/- for special repairs and maintenance (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 of the Institute.

BWC 25.8

To consider and approve the detailed Cost Estimate for re-carpeting of various roads in the Institutional and Hostel areas.

The BWC noted that the repair & maintenance (re-carpeting) of the proposed roads was last carried out in 2011 about 4500 mtrs. and 2013 about 2500 mtrs. Of the total road length of about 7000 mtrs.

In view of this, the Building and Works Committee approved the cost

-90- Supply == 15/1



estimate with an amount of Rs. 1,11,15,900/- for repair & maintenance (recarpeting) of roads in the Institutional and Hostel areas of the Institute as per detail furnished in the agenda item.

- BWC 25.9 To consider and approve the detailed Cost Estimate for 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

It was apprised to the BWC that the said roads were first constructed in 1970 and repaired subsequently. It was noted by the BWC that since 1970 the Institute has grown substantially in terms of physical staff & students strength and infrastructure including vehicle numbers.

The Building and Works Committee deliberated at the length and decided that during the special repairs and maintenance of the roads, the provision of footpath along the road which is necessarily required to avoid congestion due to heavy traffic, be ensured at the time of execution as per site requirement and approved the cost estimate with an amount of Rs. 2,22,99,500/- for widening of various roads in the Institute as special repairs and maintenance.

BWC 25.10 To consider & approve the Cost Estimate for the construction of Lawn Tennis Court including widening and repair of existing Lawn Tennis Court in the Sports Complex at NIT, Kurukshetra

The Building and Works Committee deliberated on the matter that the above said work covers under the special repairs. It is necessary to prevent the structure and services from deterioration and restore it back to its original conditions which was constructed about 30 years back. In view of this the Building & Works Committee approved the cost estimate with an amount of Rs. 24,93,400/- for special repair including widening of existing Lawn Tennis Court in the Sports Complex of the Institute.

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Minutes of 25th Building & Works Committee meeting held on 27.05.2019

Page 9

ESTATE SECTION Dated, 22/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: 18.07.2019

19

The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77,20,525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts)

2. Assistant Engineer (Civil)

2217119

sistant Engineer (Civil)

SA 22/1/9

June 13/17

24/219

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3572/628 5839

Dated

54.10.2019

To

The Executive Engineer (Civil),

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

Administrative Approval & Expenditure Sanction for Re-Carpeting on

various roads in the Institutional and Hostel areas at NIT, Kurukshetra.

Reference:

MoU dated 20.12.2012 and approval of the Hon'ble Director on dated

03.10.2019

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject with the cost estimate as under:

Sr. No.	Name of Work				Cost of	Work	
1	Re-Carpeting or Institutional and Kurukshetra			crore			

It is important to note that CPWD will provide the detailed cost estimate (DNIT) along with detailed architectural drawings for approval from the competent authority of the Institute before calling the tender.

Further, it is also important to note that the above said work must be completed by 31.03.2020 positively alongwith submission of a copy of final bill in the Institute.

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

Prof. I/C (Estate & Construction)

Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Civil), NITK
- 5. J.E. (Civil), NITK
- 6. SS to Registrar for kind information of Registrar
- 7: SS to Director for kind information of the Hon'ble Director\
- 8. A.E. (Civil), CPWD NIT Camp Office
- 9. The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- 10. The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India, Karnal-132001
- 11. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh

DY-10:115



भारत सरकार केन्द्रीय लोक निर्माण विभाग लिस अधीक्षण अभियंता, चण्डीगढ केन्द्रीय परिमण्डल, केन्द्रीय सदन, दूसरा तल, सैक्टर 9-ए, चण्डीगढ-160009

14515)W-III/2018-19/17-8

दिनांक: 24/1/19

The professor I/C (Estate & Construction),

National Institute of Technologhy,

Kurukshetra.

Re-carpeting of various roads in the Institutional buildings and Hostel buildings at NIT, Kurukshetra.

उपरोक्त कार्य का 1,11,15,900/- रूपये राशि का प्रारम्भिक अनुमान दो प्रतियों में संलग्न किया जाता है। इस कार्य के अनुमान हेतु आपका आवेदन पत्र संख्या EO/778/5969 दिनांक 12.12,2018 द्वारा भेजा गया था। आपसे अनुरोध है कि अनुमान को शीध्र स्वीकृत करने की कृपा करें अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृद्धि होने के कारण इस कार्य के निष्पादन में किंठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैंड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्नः अनुमान (दो प्रतियां)

भवदीय

कार्यपालक अभियन्ता (यो.), चण्डीगढ़ केन्द्रीय परिमण्डल के.लो.नि.वि., चण्डीगढ़।

प्रतिलिपि:-

- 1. मुख्य अभियंता (उ.अ.-1), के.लो.नि.वि., चण्डीगढ को सूचनार्थ प्रेषित है।
- अधीक्षण अभियंता (वैद्युत), चण्डीगढ़ केन्द्रीय वैद्युत परिमण्डल , के.लो.नि.वि., केन्द्रीय सदन, सैक्टर-9 ए, चण्डीगढ़ को सूचनार्थ प्रेषित है।
- 3. कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की प्रति सहित।
- 4. कार्यपालक अभियंता (वैद्युत), केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को सूचनार्थ प्रेषित है।

कार्यपालक अभियन्ता (यो.)

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Local male endy in regrow. -94.

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

Division: KCD

Circle: Chandigarh Central Cicle

ORK: Re-carpeting of various roads in the institutional buildings and Hostel buildings at NIT, Kurukshetra.

MAJOR HEAD

MINOR HEAD

DETAIL HEAD

This preliminary estimate framed by Er. C.S.Pasrija, Executive Engineer, Karnal Central Division and further processed by Er. J.K.Goel, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh for Rs. 1,11,15,900/- Vc contingencies.

1:1=:1:1:1

This preliminary estimate amounting to Rs. 1,11,15,900/- i/c contingencies has been framed to cover the probable cost of the above mentioned work for accord of A/A & E/S by the competent authority. The requisition for the above cited work has been received from client department vide their office letter No. EO/778/5969 dated 12.12.2018. Hence this estimate has been framed.

cope:

The following provisions have been made in this estimate for Re-carpeting of various existing roads in the institutional & hostel buildings;

1. Providing and applying tack coat using hot straight run bitumen of grade VG - 10

- 2. Providing and laying Bitumen Penetration Macadam 50 mm thick with hard stone aggregate.
- Providing and laying Bituminous concrete 40 mm thick using crushed stone aggregates with bitumen of grade VG-30.
- 4. Providing and applying 2.5 mm thick road marking strips (retro- reflective).

5. Laying of old kerb stone as well as new kerb stone partly.

 Laying of kerb channels with cement concrete 1;2:4 (1 cement : 2 coarse sand : 4 stone aggregate 25 mm thick).

CPWD Specification 2009 Vol. I & II.

Shall be arranged by the contractor.

Shall be met out of contingencies.

Available with client department.

As per DSR - 2016 rates.

Through contract after call of tender.

02 Months (After receipt of A/A & E/S)

Rs. 1,11,15,900/- i/c contingencies.

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.

Engineer (P)-III Ogarh Central Circle Di Cliandigarh.

Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh.

-95-

	Preliminary Estimate	<u> </u>		Section Section 1	
T SI	k:- Re-carpeting of various roads in the institute etra.	tional bu	lldings a	and Hoste	l buildings at
P DSR	Description	Qty.	Unit	Rate	Amount
*4.1	Providing and laying in position cement concrete o specified grade excluding the cost of centering and shuttering - All work up to plinth level (concrete to be laid in kerb channels along kerb stone on road edge)	1			
4.1.3	"1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 gradec stone aggregate 20 mm nominal size).	18.00	cum	5481.95	98675,00
13.61	Painting with synthetic ename! paint of approved brand and manufacture to give an even shade:				
3.61.1	Two or more coats on new work	1336.00	sqm	78.40	104742:00
33	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications:	: .			
302	On bituminous surface @ 0.50 Kg l sqm	25840.00	sgm	27.50	710600.00
236	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy:				
	For 50mm compacted thickness using coarse aggregate of size 50-20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5 mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG - 10 @ 50 kg/ 10 sqm.	1915.00	sqm	342.05	655026.00
	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with altuminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and dignment and rolling with smooth wheeled, vibratory and andem rollers to achieve the desired compaction and ensity as per specification, complete and as per frections of Engineer-in-Charge.				
	0/50 mm compacted thickness with bitumen of grade (G-30 @ 5.5% (percentage by weight of total mix) and the filler @ 3% (percentage by weight of Aggregate) repared in Batch Type Hot Mix Plant of 100-120 TPH apacity.	960,00	200	7063 05	
	roviding and applying 2.5 mm thick road marking strips etro- reflective) of specified shade/ colour using hot ermoplastic material by fully/ semi automatic ermoplastic paint applicator machine fitted with profile moe, glass beads dispenser, propane tank heater and rofile shoe heater, driven by experienced operator on read surface including cost of material,	300,00	cum	7863,85	7549296,00

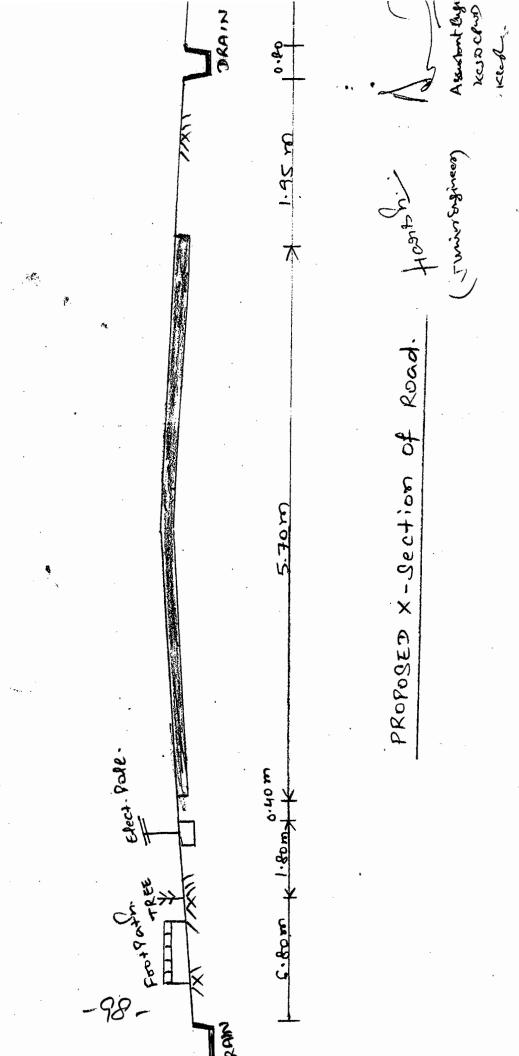
16.69 Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than, 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge). 16.77 Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means). 16.82 Taking out existing kerb stones of all types from footpath) central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground; for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge. 16.85 Laying at or near ground level old kerb stones of all types 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 of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost) Add Cost Index @3.92% on all DSR items Add Cost Index @3.92% on all DSR items Add Contingencies on (A) @ Add Contingencies on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @	DSR No.	Description	Qty.	Unit	Rate	Amount
kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with dement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment), (Precast C.C. kerb stone shall be approved by Engineer-in-charge). 16.77 Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means). 16.82 Taking out existing kerb stones of all types from footpath) central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge. 16.85 Laying at or near ground level old kerb stones of all types 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 of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost) Add Cost Index @3.92% on all DSR items 3.92%. Add Cost Index @3.92% on all DSR items 3.92%. Add Contingencies on (A) @ Add Contingencies on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @ Add Labour Cess on (A) @		oil, grease and foreign material etc. complete as pedirection of Engineer-in-charge and accordance with applicable specifications.	1455.00	sqm	391.25	569269.0
of 50 mm and disposal of scarified material within all-lifts and lead upto 1km (by mechanical means). 1915:00 sqm 3.60 6 16.82 Taking out existing kerb stones of all types from footpath/central verge, including removal of morter etc., disposal of unserviceable material to the dumping ground; for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-In-Charge. 16.85 Laying at or near ground level old kerb stones of all types 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 of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost) Add Cost Index @3.92% on all DSR items 3.92% Add Contingencies on (A) @ 3.00% Add Labour Cess on (A) @ 1,00%	16.69	kerb stone of 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 of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-		cum	5012:65	175443.00
Taking out existing kerb stones of all types from footpathy central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground; for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge: 16.85 Laying at or near ground level old kerb stones of all types 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 of joints, except at sharp curve, shall not be more than 5 mm); including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost) TOTAL Add Cost Index @3.92% on all DSR items 3.92% Add Contingencies on (A) @ (Mini-5) Add Contingencies on (A) @ 1,00% Add Labour Cess on (A) @ 1,00%	16.77	of 50 mm and disposal of scarified material within all lifts		eam	3.60	6894.00
16.85 Laying at or near ground level old kerb stones of all types 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 of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost) TOTAL Add Cost Index @3.92% on all DSR items Add Contingencies on (A) @ Add Contingencies on (A) @ Add Labour Cess on (A) @ 1,00% 1042	16.82	central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction				53607.00
TOTAL 100288 Add Cost Index @3.92% on all DSR Items 3.92% 3934 TOTAL (A) 104230 Add Contingencies on (A) @ (Mini.5 3.00% Lac) 5000 Add Labour Cess on (A) @ 1,00% 1042		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 of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be				106358.00
TOTAL (A) 104230 Add Contingencies on (A) (A) (Mini 5 3.00% Lac) 5000 Add Labour Cess on (A) (A) 1,00% 1042		TOTAL				10029910.00
TOTAL (A) 104230 Add Contingencies on (A) (A) (Mini 5 3.00% Lac) 5000 Add Labour Cess on (A) (A) 1,00% 1042			3.92%			393172.00
Add Contingencies on (A) @ (Mini 5 3.00% Lac) 5000		TOTAL			(A)	10423082.00
		Add Contingencies on (A) @				500000.00
Add EPF & ESIC on (A) @ 0.85% 885	2 2.5					104231,00
Power 1 and		The state of the s	0.85%			88596.00
Grand Total 11/1/59 Say Rs. 1,11,15,900/-		Grand Total	لأسين فيهيد			11115909.00

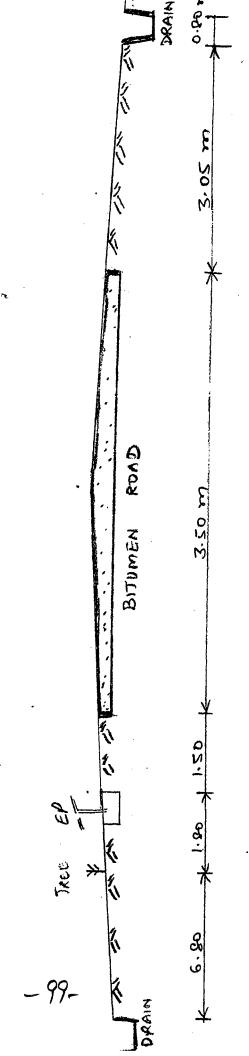
sani Engineer (P)-III rolgarti Central Circle, D, Chandigarti

Executive Engineer (P)
Chandigarh Central Circle,
CPWD, Chandigarh.

minary estimate amounting to Rs.1,11,15,900/- (Rupees One crore eleven lac fifteen thousand nine hundred is shereby submitted for accord of A/A & E/S from competent authority.

Superintending Engineer, Chandigarh Central Circle, 97-CPWD, Chandigarh.





ROAD AT NIT KURUKS SECTION OF (Existing) CROSS

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3492/864/ 7174

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design &
	Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture half Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two
44	wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction

Copy to:

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

before the ensuing Building & Works Committee or the manual.

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

). The detail is given as under:			
Sr. No.	Name of Works	Approved From		
NO.		B&WC	FC	BOG
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.			
2.	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			
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6			
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.			
5.	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.	25th held on	41st held on 20.06.2019	50th held on 20.06.2019
6.	Re-carpeting of various roads in the Institutional and Hostel areas.			
7.	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.			
8.	Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court			
9.	Water Proofing Treatment of Cafeteria in Open Air Theatre.			
10.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.	. 1		
11.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	الدسور سربا		
12.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.			
13.	Construction of shed for covering the sports complex stairs.	23rd held	35th	42nd
14.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	on03.06.2 17	held on 05.06.2017	held on 27.06.2017
15.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex			
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works	
17.	Construction of Inter Locking Paver Block roads surrounding STP and Oxidation Pond.			

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate The to Introduction of for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

Submitted for approval please.

Registrar Office Dairy No. 4038

3.14.14

Deah (P & D) -101-011(P)



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

Diary No. 117.

Dated. 24/01/2020

कार्यालय अधीक्षण अभियंता केन्द्रीय लोक निर्माण विभाग,

करनाल -132001 दूरभाष : 0184-2250690

फैक्स : 0184-2250660 ई-मेल secowdkarnal@gmail.com स्तरक्ष पासत एक कार सरकार की और Office of the Suprintending Engineer, Central Public Works Department,

Karnal-132001. Phone: 0184-2250690 Fax: 0184-2250660

secpwdkamal@gmail.com

संख्याः- NIT-KKR/अ.अभि./करनाल/२०२०/ 🔾

विनांक... के 3. निर्मा के के

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technelogy

Kurukshetra.

Naturonetta.

Re-carpeting on various roads in the Institutional and Hostel areas at NIT,

Kurukshetra.

संदर्भ :

विषय :

पत्र सं0/CC/3492/864/7194 दिनांक 30.12.2019 के संदर्भ में।

महोदय,

उपरोक्त कार्य का संशोधित प्रारम्भिक/विस्तृत अनुमान जिसकी राशि 1,54,23,200/— रूपये हैं, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की संशोधित प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें। यह अनुमान इस कार्यालय के पत्र सं0 CCC/23(4515)/W-III/2018-19/178 दिनांक 24.01.2019 के द्वारा पूर्व में प्रेषित किए गए प्रारम्भिक अनुमान को Supersede करता है।

संलग्न :

अनुमान दो प्रतियों में।

भवदीय,

अधीक्षण अभियन्ता करनाल परिमण्डल, के.लो.नि.वि, करनाल।

प्रतिलिपि:-

1. कार्यपालक अभियंता, करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल → 132001 को सूचनार्थ।

अधीक्षण अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: Karnal
Sub-Division: KKR

NAME OF WORK:

Re-carpeting on various roads in the Institutional and Hostel areas at NIT, Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This revised preliminary cum detailed estimate framed by Er. Prashant Agarwal, Executive Engineer, Karnal Division, CPWD, Karnal and further processed in the O/o Superintending Engineer, Karnal Circle, CPWD, Karnal for Rs. 1,54,23,200/- i/c contingencies.

REPORT

History:

This revised preliminary cum detailed estimate amounting to Rs. 1,54,23,200/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord revised A/A & E/S by the competent authority. The earlier preliminary cum detailed estimate amounting to Rs. 1,11,15,900/- was sent to the client department vide letter No. CCC/23(4515)/W-III/2018-19/178 dated 24.01.2019 based on DSR - 2016 with cost index 3.92% of Kurukshetra w.e.f. 01.01.2017 against which the A/A & E/S amounting to Rs. 1,11,15,900/- was conveyed from the client department vide their office letter No. /CC/3572/628/5839 dated 04.10.2019. However, now a fresh requisition has been received from the client department vide their office letter No. /CC/3492/864/7194 dated 30.12.2019 (Sr. No. 6), accordingly this revised preliminary cum detailed estimate amounting to Rs. 1,54,23,200/- based on DSR - 2018 has been prepared for obtaining revised A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Providing and applying tack coat using hot straight run bitumen of grade VG 10 on bituminous surface @ 0.50 kg per sqm.
- 2. Scarifying the existing bituminous road surface to a depth of 50mm and laying Bitumen Penetration Macadam with hard stone aggregate for deteriorated and settled down area wherever required.
- 3. Providing and laying Bituminous concrete using crushed stone aggregates (40/50 mm compacted thickness with bitumen of grade VG-30).
- 4. Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/colour.
- 5. Providing, laying and making kerb channel 30cm wide and 50mm thick with cement concrete 1;3:6 along the roads to maintain the level of existing channel along the road.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.

- 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.

<u>T & P:</u>

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

<u>Land:</u>

Available with client department.

Rate:

Based on DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

08 Months (After receipt of A/A & E/S)

Cost:

Rs. 1,54,23,200/- i/c 3% 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.

Assistant Engineer (Admn.)

Karnal Circle CPWD, Karnal Executive Engineer Karnal Division CPWD, Karnal

•	Name of Work:-		Re-carpeting on various roads in the Institutional and Hostel areas at 1911,					
. [Kurukshetra.		.,			
·	SL.	DSR No.	Description	Qty	Unit	Rate	Amount	
ŀ	1	13	FINISHING					
ı	1.1	13.61	Painting with synthetic enamel paint of approved brand and					
			manufacture to give an even shade :					
	1.1.1	13.61.1	Two or more coats on new work	1340	sqm	121.55	162877.00	
-	_2	15	DISMANTLING AND DEMOLISHING				-	
	2.1	15.60	Disposal of building rubbish / malba / similar unserviceable,				1.	
1			dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping	i				
			ground or as approved by Engineer-in-charge, beyond 50 m initial					
1			lead, for all leads including all lifts involved.					
L			_	96	cum	138.85	13330.00	
L	3	16	ROAD WORK					
	3.1	16.3	Providing and applying tack coat using hot straight run bitumen of					
ł			grade VG - 10, including heating the bitumen, spraying the bitumen		ľ			
			with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per					
			specifications:					
1:	3.1.1	16.30.2	On bituminous surface @ 0.50 Kg / sqm	25840	sqm	33.65	869516.00	
-	3.2		Providing and laying Bitumen Penetration Macadam with hard					
			stone aggregate of quality, size and grading as specified, with					
1			bitumen of suitable penetration grade, including required key					
			aggregate as specified, spreading coarse aggregate with the help of					
			self propelled/ tipper tail mounted aggregate spreader and					
			applying bitumen by a pressure distributor and then spreading key					
l			aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity					
l			to achieve specified values of compaction and surface accuracy:				,	
			to define to specifical values of compaction and surface accuracy.				ì	
3	.2.1	16.36.1	For 50mm compacted thickness using coarse aggregate of size 50-					
1		1	20 mm graded @ 0.60 cum per 10 sqm key aggregate of size 12.5					
	1	I	mm graded @ 0.15 cum per 10 sqm. With paving asphalt grade VG			i		
L.			10 @ 50 kg/ 10 sqm.	1914	sqm	390.15	746747.00	
	3.3	- 1	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder					
			and filler, transporting the hot mix to work site by tippers, laying					
l		- 1	with paver finisher equiped with electronic sensor to the required					
		i	grade, level and alignment and rolling with smooth wheeled,					
			vibratory and tandem rollers to achieve the desired compaction					
		į.	and density as per specification, complete and as per directions of					
			Engineer-in-Charge.					
3.	3.1		40/50 mm compacted thickness with bitumen of grade VG-30 @					
			5.5% (percentage by weight of total mix) and lime filler @ 3%				, ,	
		- 1	(percentage by weight of Aggregate) prepared in Batch Type Hot	057	Cura	10044 55	10474020 00	
١,	3.4		Mix Plant of 100-120 TPH capacity. Providing and applying 2.5 mm thick road marking strips (retro-	957	cum	10944.65	10474030.00	
3	.4		reflective) of specified shade/ colour using hot thermoplastic					
			material by fully/ semi automatic thermoplastic paint applicator					
		I	machine fitted with profile shoe, glass beads dispenser, propane					
			ank heater and profile shoe heater, driven by experienced					
		C	operator on road surface including cost of material, labour, T&P,					
			leaning the road surface of all dirt, seals, oil, grease and foreign					
		1	material etc. complete as per direction of Engineer-in-charge and					
		a	accordance with applicable specifications. — 105 –	1450		607.20	000505.00	
			Page 1 of 2	1450	sqm	607.30	880585.00	

;			thick with cement concrete 1:3:6 (1 cement: 3 coarse sand.o	1		1	
			graded stone aggregate 20 mm nominal size) over 75mm bed of	1		1	
	1	Į.	dry brick ballast 40 mm nominal size, well rammed and				
	,	l	consolidated and grouted with fine sand, including finishing the				
		1	top smooth etc. complete and as per direction of Engineer-in-	1			
			charge.	1002	sqm	483.00	483966.00
	3.6	16.69	Providing and laying at or near ground level factory made kerb				
	-		stone of M-25 grade cement concrete in position to the required				1
			line, level and curvature, jointed with cement mortar 1:3 (1				
	ł		cement: 3 coarse sand), including making joints with or without				
	İ		grooves (thickness of joints except at sharp curve shall not to more				
			than 5mm), including making drainage opening wherever required				
			complete etc. as per direction of Engineer-in-charge (length of				
İ			finished kerb edging shall be measured for payment). (Precast C.C.				
			kerb stone shall be approved by Engineer-in-charge).				
<u> </u> _				30	cum	8376.15	251285.00
3	3.7	16.77	Scarifying the existing bituminous road surface to a depth of 50				
			mm and disposal of scarified material within all lifts and lead upto				
\perp			1km (by mechanical means).	1914	sqm	4.75	9092.00
3	3.8	16.82	Taking out existing kerb stones of all types from footpath/ central		1		
			verge, including removal of mortar etc., disposal of unserviceable				
			material to the dumping ground, for which payment shall be made				
1			separately and stacking of serviceable material within 50 metre				
			lead as per direction of Engineer-in-Charge.				
<u> </u>				3337	metre	28.05	93603.00
3	.9	16.85	Laying at or near ground level old kerb stones of all types in				
	-		position to the required line, level and curvature, jointed with				
			cement mortar 1:3 (1 cement : 3 coarse sand), including making		ľ		
			joints with or without grooves (thickness of joints, except at sharp	•			
	1		curve, shall not be more than 5 mm), including making drainage				
			opening wherever required etc. complete as per direction of				
			Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the				
			department free of cost)				
	ŀ		department nee or costy	2336	metre	82.95	193771.00
H	\dashv		TOTAL				14178802.00
一	-		Add Contingencies on (A) @	3.00%	(Mini. 5 l	Lacs)	500000.00
			Add Labour Cess on (A) @	1.00%		,	141788.00
			Add EPF & ESIC on (A) @	4.25%			602599.00
			Grand Total				15423189.00
						Say Rs.	1,54,23,200/-
Ŀ			Mais		P	chant	
_			Assistant Engineer (Admn.)			ve Engine	
_			Karnal Circle		Karnal D		er
-	-		CPWD, Kamal		CPWD,		
					J. 110,	i varitati	
	_		M/				
			Superintend	ling Engine	eer		
			Karnal Circle	е			
			CPWD, Karı	nal			

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

(

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostei No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostei No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.

- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPVD the same will be discussed in the ensuing meeting of EAC.

-107- Al- -

Annexure-II

	Annexure-II
Sr.	List of works to be put up before the B&WC in its ensuing meeting
No.	that is going to be held very shortly.
1.	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 i.e. ECE, School of Material
	Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy.
	Deptt., School of VLSI Design & Embedded System, Central Workshop,
	CED and Chemistry Deptt. etc.
2.	Provision of Internal & External finishing i.e. distempering & painting
	including minor & major repair in the Boys Hostel No. 1 - 3 & 7 - 10, Girls
- 1	Hostels 1 - 4 and Staff Quarters including BT/CT.
3.	Provision of Internal & External finishing i.e. distempering & painting
٠.	
	including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop
	Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	Widening of various roads in the Institute
'·	
	i Road from Apollo Canteen to Security Check Post between Hostel
1	No. 7 & 8 along with the provision of footpath as per site requirement.
- 1	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
i	House.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and
٠. ا	furniture works in the Jubilee Hall.
40	Renovation/upgradation including Civil, Electrical, Audio System and
10.	
	furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and
	MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing
	a gate & parking shed for two wheelers along the in-side boundary wall
	towards west.
	Provision of shed for parking only for four wheelers in the existing parking
	near NIT Market Complex.
	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts
	with light facility etc. by dismantling the existing Tennis court.
	Provision of two nos. sheds near Main Porch in Golden Jubilee
	Administrative Building.
17	Construction of Inter Locking Paver Blocks road surrounding STP and
	Oxidation Pond.

BWC 26.7 To consider and approve the Revised Detailed Cost Estimate for widening of various roads in the Institute at NIT, Kurukshetra.

- 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

The work for widening of various roads in the Institute was approved for an amount of Rs. 2,22,99,500/- by B&WC in its 25th meeting held on 27.05.2019 vide item No. 25.9 and subsequently approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 is enclosed as **Appendix-XX** from page 111 to 113.

Further, it is worth mentioning here that the A/A & E/S for an amount of Rs. 2,22,99,500/- for widening of various roads in the Institute was conveyed to CPWD vide letter no. CC/3573/629/5840 dated 04.10.2019 is enclosed as **Appendix-XXI on page 114.**

After conveying the A/A & E/S the matter was discussed with the CPWD authority regarding commencement of the work. In this regard CPWD intimated that the above said cost estimate of Rs. 2,22,99,500/- submitted by Executive Engineer (P), Chandigarh Central Circle, CPWD vide letter no. CCC/23(4515)W-III/2018-19/185 dated 24.01.2019 was framed on the basis of DSR-2016. However, this work was not executed due to introduction of DSR-2018 and the cost estimate is required to be modified on the basis of DSR-2018. Accordingly, a letter was sent to Executive Engineer (Civil), CPWD, Karnal vide no. CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for the work of widening of various roads in the Institute after approval of the competent authority is enclosed as **Appendix-XXII** from page 115 to 124.

Thereafter, the Superintending Engineer (Civil), CPWD, Karnal submitted the revised detailed cost estimate for an amount of Rs. 2,87,23,400/- based on DSR-2018 for widening of various roads in the Institute vide letter No. NIT-KKR/SE/Karnal/2020/92 dated 23.01.2020 is enclosed as **Appendix-XXIII** from page 125 to 131.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the revised detailed cost estimate of Rs. 2,87,23,400/- received from CPWD for widening of various roads in the Institute i.e. (i) Road from Apollo Canteen to Security Check Post between Hostel No. 7 & 8 along with the provision of footpath and drainage as per site requirement,(ii) Road from Tubewell No. 5 to Junction near disposal pump along with the provision of footpath and drainage as per site requirement, (iii) Road from Junction near disposal pump to North West corner of Guest House was putup before the competent authority for approval. After approval of the competent authority the revised detailed cost estimate is put up before the Building & Works Committee for approval is enclosed as Appendix-XXIV from page 132 to 133.

The Building & Works Committee may consider and approve the revised detailed cost estimate for an amount of Rs. 2,87,23,400/- for widening of various roads in the Institute i.e. (i) Road from Apollo Canteen to Security Check Post between Hostel No. 7 & 8 along with the provision of footpath and drainage as per site requirement,(ii) Road from Tubewell No. 5 to Junction near disposal pump along with the provision of footpath and drainage as per site requirement, (iii) Road from Junction near disposal pump to North West corner of Guest House.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA-136119

Minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019 at 11.00 am in the Board Room of Golden Jubilee Administrative Building of NIT, Kurukshetra.

The following were present:

1. Dr. Satish Kumar

Chairman

Director, National Institute of Technology, Kurukshetra

2. Shri A K Singhal,

Member

Director General (Retired), C.P.W.D, Flat No. B-2012, Gaur Green City Vaibhav Khand, Indirapuram, Distt. Ghaziabad-202020(UP)

3. Prof. A. Swarup

Member

Dean (Planning & Development) National Institute of Technology, Kurukshetra

4. Er. Rajeshwar Tyagi

Member

Executive Engineer (Electrical), Karnal Central, Elect. Division, 208-D, HSIIDC, Sector-3, Karnal (Haryana)-132001

5. Er. C.J. Pasrija

Member

Executive Engineer (Civil), Karnal Central Division, CPWD NDRI Campus, Near SBI, Karnal (Haryana)-132001

6. Prof. S. M. Gupta

Special Invitee

Prof. in-charge (Estate & Construction), National Institute of Technology, Kurukshetra.



Page 9

estimate with an amount of Rs. 1,11,15,900/- for repair & maintenance (recarpeting) of roads in the Institutional and Hostel areas of the Institute as per detail furnished in the agenda item.

- **BWC 25.9** To consider and approve the detailed Cost Estimate for 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.

It was apprised to the BWC that the said roads were first, constructed in 1970 and repaired subsequently. It was noted by the BWC that since 1970 the Institute has grown substantially in terms of physical staff & students strength and infrastructure including vehicle numbers.

The Building and Works Committee deliberated at the length and decided that during the special repairs and maintenance of the roads, the provision. of footpath along the road which is necessarily required to avoid congestion due to heavy traffic, be ensured at the time of execution as per site requirement and approved the cost estimate with an amount of Rs. 2,22,99,500/- for widening of various roads in the Institute as special repairs and maintenance.

BWC 25.10 To consider & approve the Cost Estimate for the construction of Lawn Tennis Court including widening and repair of existing Lawn Tennis Court in the Sports Complex at NIT, Kurukshetra

> The Building and Works Committee deliberated on the matter that the above said work covers under the special repairs. It is necessary to prevent the structure and services from deterioration and restore it back to its original conditions which was constructed about 30 years back. In view of this the Building & Works Committee approved the cost estimate with an amount of Rs. 24,93,400/- for special repair including widening of existing Lawn Tennis Court in the Sports Complex of the Institute.

Minutes of 25th Building & Works Committee meeting held on 27.05.2019

Dated, 22/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: <u>18</u>.07.2019

19

The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77.20.525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts)

si garra

2. Assistant Engineer (Civil)

Ohung

21/219

-113-

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3573/629 / 5840

Dated **©4**.10.2019

To

The Executive Engineer (Civil),

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject: Administrative Approval & Expenditure Sanction for 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.

Reference: MoU dated 20.12.2012 and approval of the Hon'ble Director on dated

03.10.2019

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject with the cost estimate as under:

Sr. No.	Name of Work	Cost of Work
1	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	Rs. 2,22,99,500/- (Rupees Two crores twenty two lacs ninety nine thousand five hundred only).

It is important to note that CPWD will provide the detailed cost estimate (DNIT) along with detailed architectural drawings for approval from the competent authority of the Institute before calling the tender.

Further, it is also important to note that the above said work must be completed by 31.03.2020 positively alongwith submission of a copy of final bill in the Institute.

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

Prof. I/C (Estate & Construction)

Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Civil), NITK
- 5. J.E. (Civil), NITK
- 6. SS to Registrar for kind information of Registrar
- 7. SS to Director for kind information of the Hon'ble Director\
- 8. A.E. (Civil), CPWD NIT Camp Office
- 9. The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- 10. The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India, Karnal-132001
- 11. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh

DY 16:119



भारत सरकार

केन्द्रीय लोक निर्माण विभाग

कार्यालय अधीक्षण अभियंता, चण्डीगढ केन्द्रीय परिमण्डल,

के.लो.नि.वि., केन्द्रीय सदन, दूसरा तल, सैक्टर 9-ए, चण्डीगढ-160009

संख्याः च.के.परि./23(4515)W-III/2018-19) 85

दिनांकः २५11/19

सेवा में.

The professor I/C (Estate & Construction),

National Institute of Technologhy,

Kurukshetra.

3 29.01.19 29.01.19

विषय:

Widening of various roads in the Institute at NIT, Kurukshetra.

- 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 at NIT, Kurukshetra.

उपरोक्त कार्य का 2,22,99,500/- रूपये राशि का प्रारम्भिक अनुमान वो प्रतियों में संलग्न किया जाता है। इस कार्य के अनुमान हेतु आप्रका आवेदन पत्र संख्या EO/7.79/5970 दिनांक 12.12.2018 द्वारा भेजा गया था। आपसे अनुरोध है कि अनुमान को शीघ्र स्वीकृत करने की कृपा करें अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृद्धि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैंड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

संलग्नः अनुमान (दो प्रतियां)

भवदीय

कार्यपालक अभियन्ता (यो.) चण्डीगढ़ केन्द्रीय परिमण्डल के.लो.नि.वि.ए चण्डीगढ़।

प्रतिलिपि:-

- 1. मुख्य अभियंता (उ.अ.-1), के.लो.नि.वि., चण्डीगढ को सूचनार्थ प्रेषित है।
- 2. अधीक्षण अभियंता (वैद्युत), चण्डीगढ़ केन्द्रीय वैद्युत परिमण्डल, के.लो.नि.बि., केन्द्रीय सदन, सैक्टर-९ ए, चण्डीगढ़ को सूचनार्थ प्रेषित है।
- 3. कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की प्रति सहित।
- 4. कार्यपालक अभियंता (वैद्युत), केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को सूचनार्थ प्रेषित है।

took mer enging from

कार्यपालक अभियन्ती (यो.)

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

tate: Haryana ranch: B & R AME OF WORK: **Division: KCD**

Circle: Chandigarh Central Circle

Widening of various roads in the Institute at NIT, Kurukshetra.

Road from Apollo Canteen to security check post between Hostel No. 7 i) & 8 along with the provision of footpath as per site regulrement.

II) Road from tubewell No. 5 to junction near disposal pump along with the provision of footpath as per site requirement.

(ii) Road from junction near disposal pump to North West corner of Guest House at NIT, Kurukshetra.

MAJOR HEAD

MINOR HEAD

DETAIL HEAD

This preliminary estimate framed by Er. C.S.Pasrija, Executive Engineer, Karnal Central Division and further processed by Er. J.K.Goel, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh for Rs. 2,22,99,500/- i/c contingencies

History:

This preliminary estimate amounting to Rs. 2,22,99,500/- i/c contingencies has been framed to cover the probable cost of the above mentioned work for accord of A/A & E/S by the competent authority. The requisition for the above cited work has been received from client department vide their office letter No. EO/779/5970 dated 12.12.2018. Hence this estimate has been framed.

Design & Scope:

The following provisions have been made in this estimate: -

- 1. Widening of existing metal roads from 3.5 mtr. to 5.5 mtr. with kerb channels 30 cm wide on both edges of roads. Provision of preparation of sub grade, GSB 150 mm thick, WMM 150 mm thick, 50 mm thick bitumen macadam for widening of roads and 40 mm thick, bitumen concrete for complete carriage way including road marking strips.
- Provisions of footpath along the road with CC paver block including under layer of PCC 1:5:10, NP 2 RCC pipes for drainage.
- Provision of CC kerb stones along road edges including painting.
- Provision of 3 Nos. RCC box culverts for cross drainage.
- Providing and laying in position cement concrete of specified grade 1:1.5:3 for copings of brick toe wall/edge wall and kerb channels along road.
- Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 for toe wall, culverts and foot paths edge walls.

cification:

CPWD Specification 2009 Vol. I & II.

Shall be arranged by the contractor.

stabilshment:

Shall be met out of contingencies.

Available with client department.

As per DSR - 2016 rates.

Through contract after call of tender.

04 Months (After receipt of A/A & E/S)

Rs. 2,22,99,500/- i/c contingencies.

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.

Assistant Engineer (P)-III, Chandigarh Central Circle, CPWD, Chandigarh.

Executive Engineer (P) Chandigarh Central Circle CPWD, Chandigarh.

								
	<u> </u>	Preliminary Estimate		102		Carlo Salar Sur		
Name of Work:-		Widening of various roads in the Institute at NIT, Kurukshetra. 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 dis	posal pun	np alon	g with the			
		provision of footpath as per site requirement	•					
		iii) Road from junction near disposal pump to No		corner	of Guest I	louse		
		at NIT, Kurukshetra.						
Sr. No.	DSR No.		Qty.	Unit	Rate	Amount		
	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 of 10 sqm on plan), including dressing of sides and ramming or bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as	f					
4.1	2.8.1	directed, within a lead of 50 m. All kinds of soil.	2554.00	cum	166.40	424986.00		
			1 2001.00	V.,,,,		121000.00		
2	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:						
21	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded			4			
	<u> </u>	stone aggregate 40 mm nominal size).	583.00	cum	4209.05	2453876.00		
-3	4.4	Providing and laying cement concrete in kerbs, steps and						
	4.4	the like at or near ground level excluding the cost of centering, shuttering and finishing.						
31	4.4.1	1:11/2:3 (1 Cement: 11/2 coarse sand(zone-III): 3 graded						
		stone aggregate 20 mm nominal size).	161.00	cum	5924.65	953869.00		
						<u> </u>		
		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:						
	5.1.2	1:1.5:3 (1 cement: 1.5 coarse sand (zone-III): 3 graded						
		stone aggregate 20 mm nominal size).	87.00	cum	6215,35	540735.00		
	50.70	Centering and shuttering including strutting, propping etc. and removal of form for:						
	SAX:	Foundations, footings, bases of columns, etc. for mass concrete	292.00	sqm	193,95	56633.00		
		Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	192.00	sqm	378.60	72691,00		
	5.9.3	Suspended floors, roofs, landings, balconies and access						
AND .	MALLEY S	platform	82.00	sqm	422,30	34629.00		
		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.						
	Aug 114 av	Thermo-Mechanically Treated bars of grade Fe-500D or more.	12180.00	kg	56.60	689388.00		
				···				
		Brick work with common burnt clay F.P.S. (non modular) orlcks of class designation 7.5 in foundation and plinth in:		,				
	6.1.2	Dement mortar 1:6 (1 cement : 6 coarse sand)	426.00	- Aurita	4754.05	0074747		
	Page 23 Carlo	come mortal no (1 coment, 0 coalse salid)	436.00	cum	4751.65	2071719,00		

2	DSR No.	Description	Qty.	Unit	Rate	Amount
8	10.25	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structura steel etc. as required.				
2.1	10.25.2	In gratings, frames, guard bar, ladder, rallings, brackets gates and similar works	1435.00	kg	85.95	123338.0
	_13.4	12 mm cement plaster of mix :				
1	13.4.2	1.6 (1 cement: 6 coarse sand)	25.00	sqm	168.25	4206.0
	13.5	15 mm cement plaster on rough side of single or hall brick wall of mix:				
	13.5.2	1:6 (1 cement: 6 coarse sand)	20.00	sqm	194.60	3892.0
	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	1092.00	sqm	78.40	85613.0
	0-		70.7.3.3			
2	15.3 15.7	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. Demolishing brick work manually/ by mechanical means	16.00	cum	1454.55	23273.00
	si Ng	including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	3.30	In cement mortar	4.00	cum	842.75	3371.0
		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.				
	×		49.00	cum	120.55	5907.00
"		Disposal of earth by mechanical means, including loading, transporting, unloading to dumping ground as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1975	cum	115.35	227816.00
	1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	5629.00	sqm	90.10	507173.00
	Įi.	Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres :				
	16.8.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1600.00	metre	36,20	57920.00
	s U	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications:				
200		On W.B.M. @ 0.75 Kg I sqm	4899.00	som	36.40 **	178324.00
21	6.30.2	On bituminous surface @ 0.50 Kg I sqm	11908.00	sqm	27.50	327470.00

	DSR No.	Description	Qty.	Unit	Rate	Amount
O.	16.55	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge.				
1	16.55,1	50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.		cum	5708.00	1398460.00
		Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.				
		40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	477.00	cum	7863,85	3751056.00
		Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic hermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on oad surface including cost of material, labour, T&P, deaning the road surface of all dirt, seals, oil, grease and oreign material etc. complete as per direction of ingineer-in-charge and accordance with applicable specifications.	555.00	sqm	391.25	217144.00
	16.69 k	Providing and laying at or near ground level factory made cerb stone of M-25 grade cement concrete in position to he required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making oints with or without grooves (thickness of joints except sharp curve shall not to more than 5mm), including making drainage opening wherever required complete to as per direction of Engineer-in-charge (length of mished kerb edging shall be measured for payment). Precast C.C. kerb stone shall be approved by Engineer-in-charge).	82.00			
and the	15.77 S	carifying the existing bituminous road surface to a depth	02.00	cnw	5012.65	411037.00
1		f 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means).	569.00	sqm	3.60	2048,00

Sr. No.	DSR No.	Description	Qty.	Unit	Rate	Amount
23	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed materia by tippers to work site, for all leads & lifts, spreading ir uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
	16.78.1	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	845.00	cum	2089.70	1765797.00
]		
	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to well mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub-base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
		specifications and directions of Engineer-in-onlarge.	845.00	cum.	2132.25	1801751.00
		A CONTRACTOR OF THE PROPERTY O	0.10.00	30,115	2.102.20	
		Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway 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 course 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, all complete as per manufacturer's specifications & direction of Engineer- in-Charge.				
5.7		80mm thick Cement concrete payer block of M-30 grade with approved colour, design & pattern.	3500.00	sqm	638,95	2236325.00
		miniapproved colour, design a pattern.	5000.00	9410	000.00	220020.00
		Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways, neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick 100 mm wide MS sheet duly painted over priming coat, reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as the direction of Engineer-in-Charge.				

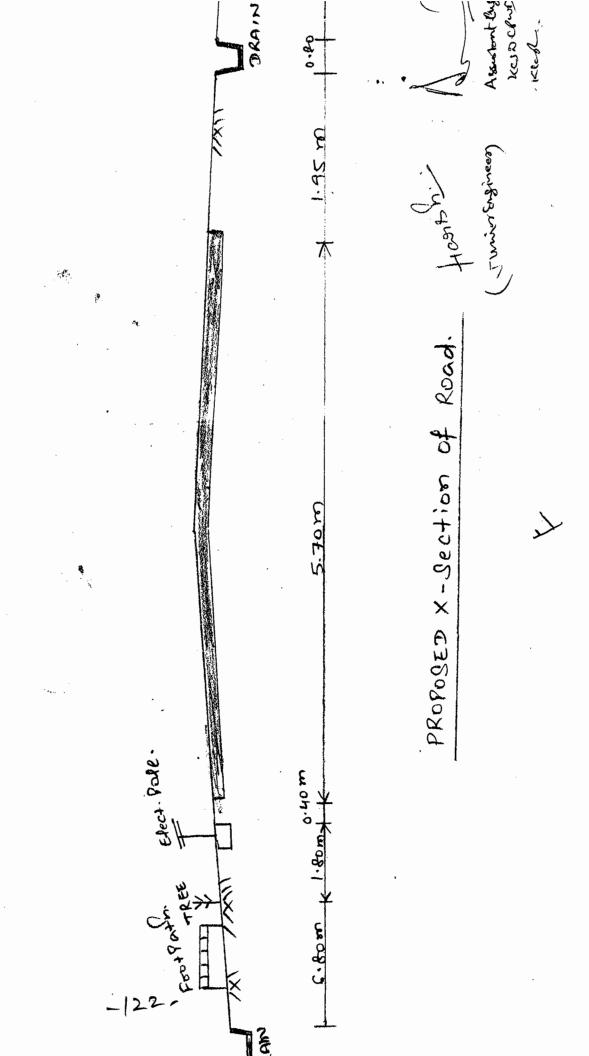
Sr. No.	DSR No.	Description	Qty.	Unit	Rate	
27	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
27.1	19.6.5	450 mm dia. R.C.C. pipe	56.00	metre	720.95	
28	MR	Credit for old steel reinforcement bars received from dismantling for RCC	1200.00	kg	-20.90	
		Total				204646-2000
		Add Cost Index @ 3.92% on all DSR items except MR itmes Rs. 2,04,89,900/-)	3.92%			903204.00
		Total			(A)	21268024.00
		Add Contingencies on (A) @	3,00%			638041.00
		Add Labour Cess on (A) @	1.00%			212680.00
2000		Add EPF & ESIC on (A) @	0.850%			180778.00
		Grand Total				22299523.00
		Say Rs. 2,22,99,	500/-			
N. Carlotte	ć					The state of the s

Assistant Engineer (P)-III, Chandigarh Central Circle, CPWD, Chandigarh.

Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh.

Preliminary estimate amounting to Rs.2,22,99,500/- (Rupees Two crore twenty two lacninety nine thousand five hundred only) is hereby submitted for accord of A/A & E/S from competent authority.

Superintending Engineer, Chandigarh Gentral Circle, CPWD, Chandigarh.



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. 100/3492/864/7/74

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	The state of the s
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
	Construction of shed for covering the sports complex stairs.
	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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

before the ensuing bunding a

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

). The detail is given as under:			
Sr. No.	Name of Works		Approved F	rom
140.		B&WC	FC	BOG
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.			
2.	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		·	
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6			
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.			
5.	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	25th held on	41st held on 20.06.2019	50th held on 20.06.2019
6.	Re-carpeting of various roads in the Institutional and Hostel areas.			
7.	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.			
8.	Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court			
9.	Water Proofing Treatment of Cafeteria in Open Air Theatre.			
10.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.			
11.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	in milmol		
12.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.			
13.	Construction of shed for covering the sports complex stairs.	23rd	35th	42nd
14.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	held on03.06.2 17	held on 05.06.2017	held on 27.06.2017
15.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex			
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works	
17.	Construction of Inter Locking Paver Block roads surrounding STP and Oxidation Pond.			

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate The to Introduction of for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

DSR-2019

kegistrar Office Dairy No. 4038



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

कार्यालय अधीक्षण अभियंता केन्द्रीय लोक निर्माण विभाग,

करनाल -132001 दूरभाष : 0184-2250690

फैक्स : 0184-2250660 ई-मेल secowdkarnal@amail.com



Office of the Suprintending Engineer, Central Public Works Department, Karnal-132001. Phone: 0184-2250690 Fax: 0184-2250660

Fax: 0184-2250660 secpwdkamal@gmail.com

संख्याः- NIT-KKR/अ.अभि./करनाल/२०२०/ ००

बनंक...भूश हो। के 20

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

विषय :

Widening of various roads in the Institute at NIT, Kurukshetra.

- 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 at NIT, Kurukshetra.

संदर्भ : पत्र सं0 /CC/3492/864/7194 दिनांक 30.12.2019 के संदर्भ में।

महोदय,

उपरोक्त कार्य का संशोधित प्रारम्भिक/विस्तृत अनुमान जिसकी राशि 2,87,23,400/— रूपये हैं, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की संशोधित प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें। यह अनुमान इस कार्यालय के पत्र सं० CCC/23(4515)/W-III/2018-19/185 दिनांक 24.01.2019 के द्वारा पूर्व में प्रेषित किए गए प्रारम्भिक अनुमान को Supersede करता है।

संलग्न : अनुमान दो प्रतियों में।

भवदीय,

अधीक्षंणें अभियन्ता करनाल परिमण्डल, के.लो.नि.वि, करनाल।

प्रतिलिपि :-

1. कार्यपालक अभियंता, करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल । १ ३ २ ० ० १ को सूचनार्थ।

अधीक्षण अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: Karnal
Sub-Division: KKR

NAME OF WORK:

Widening of various roads in the Institute at NIT, Kurukshetra.

- i) Road from Apollo Canteen to security check post between Hostei 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.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This revised preliminary cum detailed estimate framed by Er. Prashant Agarwal, Executive Engineer, Karnal Division, CPWD, Karnal and further processed in the O/o Superintending Engineer, Karnal Circle, CPWD, Karnal for Rs. 2,87,23,400/- i/c contingencies.

REPORT

History:

This revised preliminary cum detailed estimate amounting to Rs. 2,87,23,400/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord revised A/A & E/S by the competent authority. The earlier preliminary cum detailed estimate amounting to Rs. 2,22,99,500/- was sent to the client department vide letter No. CCC/23(4515)/W-III/2018-19/185 dated 24.01.2019 based on DSR - 2016 with cost index 3.92% of Kurukshetra w.e.f. 01.01.2017 against which the A/A & E/S amounting to Rs. 2,22,99,500/- was conveyed from the client department vide their office letter No. CC/3573/629/5840 dated 04.10.2019. However, now a fresh requisition has been received from the client department vide their office letter No. /CC/3492/864/7194 dated 30.12.2019 (Sr. No. 7), accordingly this revised preliminary cum detailed estimate amounting to Rs. 2,87,23,400/- based on DSR - 2018 has been prepared for obtaining revised A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Widening of existing metal roads from 3.5 meter to 5.5 meter with kerb channels 30cm wide on both edges of roads. Provision of preparation of sub grade, GSB 150mm thick, WMM 150mm thick, 50mm thick bitumen macadam for widening of roads and 40mm thick bituminous concrete for complete carriage way i/c road marking strips.
- 2. Provision of footpath along the road with CC paver block i/c under layer of 1:5:10 and NP2 RCC pipes for drainage.
- 3. Provision of CC kerb stone along road edges i/c their painting.
- 4. Provision of 3 nos. RCC box culverts for cross drainage.
- 5. Providing and laying in position cement concrete grade 1:1.5:3 for copping of brick toe wall and edge wall of footpaths.
- 6. Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 for toe wall culverts and footpath edge wall.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.

<u>T & P:</u>

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

Land:

Available with client department.

Rate:

Based on DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

08 Months (After receipt of A/A & E/S)

Cost:

Rs. 2,87,23,400/- i/c 3% 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.

Assistant Engineer (Admn.)

Karnal Circle CPWD, Karnal Executive Engineer Karnal Division CPWD, Karnal

	ame of	Widening of various roads in the Institute at NIT,	Kuruksh	etra.		-
V-ork:-		i) Road from Apollo Canteen to security check p	ost betw	veen H	ostel No.	7 & 8 alons
		with the provision of footpath as per site requirement				, as a mon
		ii) Road from tubewell No. 5 to junction near dispo		n alan	a with the	n neorgiaion o
		_	osai puili	р аюн	g with the	e brovision o
		footpath as per site requirement.	43 337 4			
		iii) Road from junction near disposal pump to Nor	th West	corner	of Guest	House.
SL.	DSR	Description	Qty	Unit	Rate	Amount
No	No.	EARTHWORK .		1	<u> </u>	
1	2	EARTH WORK				
1.1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains	1			
1		(not exceeding 1.5 m in width or 10 sqm on plan), including	4			
		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	-	All kinds of soil.	2554	cum	252.30	644374.00
2	4	CONCRETE WORK		1		
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work	1			
		up to plinth level :				
2.1.1	4.1.10	, , , , , , , , , , , , , , , , , , , ,				
		natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	584	CUM	5520.30	3223855.00
2.2	4.4	Providing and laying cement concrete in kerbs, steps and	304	cum	3520.30	3223633.00
		the like at or near ground level excluding the cost of		j		
		centering, shuttering and finishing.				
2.2.1	4.4.1	1:11/2:3 (1 Cement: 11/2 coarse sand (zone-III) derived from				
		natural sources: 3 graded stone aggregate 20 mm nominal			7040.55	
3	5	size derived from natural sources) REINFORCED CEMENT CONCRETE	60	cum	7210.55	432633.00
3.1	5.1	Providing and laying in position specified grade of reinforced				
	• • • • • • • • • • • • • • • • • • • •	cement concrete, excluding the cost of centering, shuttering,		-		
		ifnishing 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 derived from natural sources).	87	cum	7718.25	671488.00
3.2	5.9	Centering and shuttering including strutting, propping etc. and		Cuiii	7710.20	07 1400.00
		removal of form for				i i
3.2.1	5.9.1	Foundations, footings, bases of columns, etc. for mass				
	500	concrete	292	sqm	284.85	83176.00
3.2.2	5.9.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	102	000	600.30	116096 00
3.2.3	5.9.3	Suspended floors, roofs, landings, balconies and access	192	sqm	609.30	116986.00
0.2.0	5.5.6	platform	82	sqm	693.05	56830.00
3.3	5.22	Steel reinforcement for R.C.C. work including straightening,		•		
		cutting, bending, placing in position and binding all complete				
3.3.1	5.22.6	upto plinth level.				
		Thermo-Mechanically Treated bars of grade Fe-500D or	12180	kg	83.50	1017030.00
4.1	6.1	MASONRY WORK Brick work with common burnt clay F.P.S. (non modular)				
7.1	0.1	bricks of class designation 7.5 in foundation and plinth in:				
4.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	436	cum	6157.45	2684648.00
5		STEEL WORK			5 .57 .40	
5.1	1	Steel work welded in built up sections/ framed work, including				
	I	cutting, hoisting, fixing in position and applying a priming coat				İ
		of approved steel primer using structural steel etc. as				
		required.				
		required. Page 1 of 4 -128 -				

6	13	FINISHING	. 100	e,.	101.00	10.000.00
6.2		12 mm cement plaster of mix :				
6.1			25	sqm	263.55	6589.00
6.2	2 13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
6.2.		1:6 (1 cement: 6 coarse sand)	20	sqm	303.90	6078.00
6.3	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:		,		
6.3.			1092	sqm	121.55	132733.00
7	15	DISMANTLING AND DEMOLISHING			<u> </u>	ļ ·
7.1	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in			2524.70	40555.00
7.2	15.7	charge. 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.		cum	2534.70	40555.00
7.2.1	1 15.7.4		4	cum	1469.90	5880.00
7.3	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.	50	cum	138.85	6943.00
8	16	ROAD WORK		Jain	100.00	30.000
8.1	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.				ı
		outplus out all man out up to out measure.	5629	sqm	156.75	882346.00
8.2	16.8	Brick edging laid lengthwise with half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres:				
8.2.1	16.8.1	With common burnt clay F.P.S. (non modular) bricks of class	4000		40.75	74000 00
8.3	16.3	designation 7.5 Providing and applying tack coat using hot straight run	1600	metre	46.75	74800.00
		bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications:	,			
8.3.1		On W.B.M. @ 0.75 Kg / sqm	4899	sqm	42.05	206003.00
8.3.2		On bituminous surface @ 0.50 Kg / sqm	11908	sqm	33.65	400704.00
8.4		Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specificatons and directions of Engineer-in-Charge.				
8.4.1		50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	245	cum	7743.55	1897170.00

(bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equiped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.				
8.5.	1 16.57.1	40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.		cum	10944.65	5220598.00
8.6	16.62	Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.				
8.7	16.63	Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.		sqm	607.30	396060.00
8.8	16.69	Providing and laying at or near ground level factory made kerb stone of 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 of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).		sqm	463.00	390000.00
8.9	16.77	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and	82	cum	8376.15	686844.00
8.10	16.78	lead upto 1km (by mechanical means). Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	569	sqm	4.75	2703.00
8.10.1	1 }	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	845	cum	2517.70	2127457.00

		CPWD, Karnal				
		Karnal Circle				1
		Superintence	ling Engin	eer		
		NA.				
		CPWD, Karnal	·	CPWD,	Karnal	
		Karnal Circle		Karnal Division		·
		Assistant Engineer (Admn.)		 	ive Engine	er
• .		10		ga		
		Alwa:		0	. +	, , , , , , , , , , , , , , , , , , , ,
					Say Rs.	
		Grand Total			1	28723372.00
-		Add EPF & ESIC on (A) @	0.85%		-	232855.00
		Add Labour Cess on (A) @	1.00%	 	 	273947.00
1		Add Contingencies on (A) @	3.00%	 	\^/	821842.00
		TOTAL	1375	Cum	(A)	
9.3		Carriage of earth by mechanical transport including loading, unloading and stacking for lead 1 Km : Earth	1975	cum	113.83	224814.00
9.2	1	Credit for old steel TMT bars as received from the dismantling of reinforced cement concrete.	1200	kg	-20.90	-25080.00
9.1.1		450 mm dia. R.C.C. pipe	56	metre	1392.70	77991.00
		mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
		R.C.C. pipes with collars jointed with stiff mixture of cement				
9.1		Providing and laying non-pressure NP2 class (light duty)				_
9	19	color design and pattern. DRAINAGE	3500	sqm	953.00	3335500.00
8.12.1	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved	3500	oam	053.00	2225500.00
8.12	16.91	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.		cum	2641.40	2231983.00
(macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achievethe desired density, complete as per specifications and directions of Engineer-in-Charge.		cum	2641.40	2231983.00

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tilling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
 - 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.

- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPWD the same will be discussed in the ensuing meeting of EAC.

/ De-

	Annexure-II
Sr. No.	List of works to be put up before the B&WC in its ensuing meeting that is going to be held very shortly.
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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.
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court.
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building.
17.	Construction of Inter Locking Paver Blocks road surrounding STP and Oxidation Pond.

BWC 26.8 To consider and approve the Preliminary Cost Estimate for finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No. (1-6) and Girls Hostel No. 1.

It is important to note that several requests received from Chief Warden (Boys) and (Girls) from time to time regarding providing and fixing of finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No.(1-6) and Girls Hostel No.-1. Further, the matter was apprised by Chief Warden (Boys) & (Girls) with the competent authority during the kind visit in Hostels that the condition of flooring in common room, dinning hall and warden office etc. is in very shabby condition. Accordingly, the competent authority of the Institute discussed the matter with Registrar-in-charge & Prof. I/C (Estate & Construction) in the light of the discussion held with Chief Warden (Boys) that floor tiles are required to be fixed in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No. (1-6) and Girls Hostel No. 1.

Accordingly, after approval of the competent authority, a letter vide no.CC/3492/864/7194 dated 30.12.2019 was sent to the Executive Engineer (Civil), CPWD, Karnal to submit the cost estimate for finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No. (1-6) and Girls Hostel No. 1.

Thereafter, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cost estimate for an amount of Rs. 58,67,900/- based on DSR-2018 alongwith latest provision for finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No.(1-6) and Girls Hostel No.-1 vide letter No.20 (NITK)/PS/CD/2020/167 dated 20.01.2020 is enclosed as **Appendix-XXV** from page 136 to 141.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cost estimate of Rs. 58,67,900/- received from CPWD for finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No. (1-6) and Girls Hostel No.-1 was put up before the competent authority for approval. After approval of the competent authority the preliminary cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XXVI** from page 142 to 143.

The Building & Works Committee may consider and approve the preliminary cost estimate for an amount of Rs. 58,67,900/- for providing and fixing of finish floor tiles in the common room, dining hall, warden office and MMCA office in the old Boys Hostel No.(1-6) and Girls Hostel No.-1.

Appendix - XXV

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. 100/3492/864/ 7174

Dated 3o.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

	& vvorks Committee meeting.
Sr.	Name of Works
No.	
1.	Providing & fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid
1	resistance tiles and G.I. Sheet shade etc. in the various departments i.e. ECE, School of Material Science
1	& Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design &
	Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the
ļ	Boys Hostel No. 1 - 3 & 7 - 10, Girls Hostels 1 - 4 and Staff Quarters including BT/CT
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the
	Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall
	Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's
l	hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two
	wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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





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

ESTATE SECTION

Diary No. 12.3.

Dated. 24/0/202



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग,

एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दूरभाष : 0184-2250690 फैक्स : 0184-2250660 Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckamal@gmail.com

संख्याः- 20(NIT)/यो.शा./क.मं/2020/ /67

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

विषय :

Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel no (1-6) and girl's hostel no 1 at NIT

Kurukshetra.

संदर्भ :

आपका पत्र सं0 CC/3492/864/7194 दिनांक 30.12.2019

महोदय,

उपरोक्त कार्य का प्रारम्भिक/विस्तृत अनुमान जिसकी राशि 58,67,900/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय.

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता

करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि:-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R

Division: Karnal
Sub-Division: KKR

NAME OF WORK:

Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel no (1-6) and girl's hostel no 1 at NIT Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This revised preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 58,67,900 /- i/c contingencies.

[祖]:[1]

History:

This preliminary estimate amounting to Rs. 58,67,900 /- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The above mentioned work has been assigned to CPWD by the Prof. I/C (Estate & Construction) vide letter no. CC/3492/864/7194 dated 30.12.2019 mentioned at Sr. No. 11 (Copy enclosed). Hence this preliminary estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Hacking of existing flooring including cleaning of surface etc. in the in boys hostel 1-6 & Girls hostel No. 1.
- 2. Dismantling existing wall tiles in the dining halls and common rooms for replacement as per the requirement of the site as the same are found uneven above the skirting.
- 3. Vitrified floor tiles of size 600x600mm laid with cement based high polymer modified quick set tile adhesive i/c providing and laying leveling course of CC 1:3:6 wherever required in the dining hall, common room, MMCA & warden office.
- 4. Ceramic glazed wall tiles in common rooms and dining halls in boys hostel 1-6 & Girls hostel No. 1.
- 5. Mirror polishing on existing Kota stone work in the serving area of dining halls in boys hostel 1-6 & Girls hostel No. 1.
- 6. 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut Granite on serving area platforms/shelves in boys hostel 1-6 & Girls hostel No. 1.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.
- 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 - 2018 rates.

Method:

Through contract after call of tender.

Time:

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 58,67,900 /- i/c 5% 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.

St Draughtsman Karnal Division CPWD, Karnal

Executive Engineer Karnal Division CPWD, Karnal

Detailed Estimate

Name of work: Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel no (1-6) and girl's hostel no 1 at NIT Kurukshetra.

—		le old boy's nostel no (1-6) and girl's hostel no 1 at N	III Nuluk	Siletia.		
Sr. No	ı	Description	Qty	Unit	Rate	Amount
		CONCRETE WORK				
1	4.1	Providing and laying in position cement concrete of specified				
1		grade excluding the cost of centenng and shuttering - All world	k		1	
L_		up to plinth level :		<u> </u>	<u> </u>	<u></u>
1.1	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone	е			
		aggregate 20 mm nominal size)	15.00	Cum	6259.10	93887.00
		CLADDING WORK				
2	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished				
1.	ł	premoulded and prepolished, machine cut for kitchen platforms	'	ŀ	1	j
ľ	1 .	vanity counters, window sills, facias and similar locations of		ł	1	į.
.	}	required size, approved shade, colour and texture laid over 20	1			}
1		mm thick base cement mortar 1:4 (1 cement : 4 coarse sand)			1	
1	1	joints treated with white cement, mixed with matching pigment			1	1
1	1	epoxy touch ups, including rubbing, curing, moulding and		1	1	1
	-	polishing to edges to give high gloss finish etc. complete at all	4	i	1 .	
<u></u>	 	levels.	<u> </u>	<u> </u>		
2.1		Granite of any colour and shade				
_	-	Area of slab over 0.50 sqm	73.00	sqm	4007.65	292558.00
3	8.6	Mirror polishing on marble work/Granite work/stone work where	•		000.00	57400 00
	0.21	ever required to give high gloss finish complete.	156.00	sqm	368.00	57408.00
4	8.31	Providing and fixing 1st quality ceramic glazed wall tiles			1 !	
1		conforming to IS: 15622 (thickness to be specified by the			1	
l		manufacturer), of approved make, in all colours, shades except			1 1	
1	•	burgundy, bottle green, black of any size as approved by			ł l	
1		Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse)	
1		sand) and jointing with grey cement slurry @ 3.3kg per sqm,	1		l i	
ļ.	1	including pointing in white cement mixed with pigment of	, ,		1	
ĺ		matching shade complete.	921.00	eam	1030.30	948906.00
<u> </u>		FLOORING	321.00	sqm	1030.30	340300.00
5		Providing and laying rectified Glazed Ceramic floor tiles of size			- 	
		300x300 mm or more (thickness to be specified by the				
İ		manufacturer), of 1st quality conforming to IS : 15622, of				~1
		approved make, in colours White, Ivory, Grey, Fume Red Brown,			1	· ·
		laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse				
!		sand), jointing with grey cement slurry @ 3.3 kg/sqm including				
		grouting the joints with white cement and matching pigments		:		
		etc., complete.	73.00	sqm	1088.40	79453.00
6		Providing and laying Vitrified tiles in different sizes (thickness to				
		be specified by the manufacturer), with water absorption less				
	1	than 0.08% and conforming to IS: 15622, of approved brand &				
		manufacturer, in all colours and shade, in skirting, riser of steps,			1	
		aid with cement based high polymer modified quick set tile				
		adhesive (water based) conforming to IS: 15477, in average 6				
		nm thickness, including grouting of joints (Payment for grouting				
4	ļ	of joints to be made separately).				ĺ
		. 1				
$\overline{}$		Size of Tile 600x600 mm	40.00	sqm	1734.00	69360.00
7		Grouting the joints of flooring tiles having joints of 3 mm width,				
		using epoxy grout mix of 0.70 kg of organic coated filler of				
		lesired shade (0.10 kg of hardener and 0.20 kg of resin per kg),				
		ncluding filling / grouting and finishing complete as per direction				
		f Engineer-in-charge.	0000 00		044 15	400000 00
7.1	11.46.2	size of Tile 600x600 mm	2000.00	Sqm	241.45	482900.00

٠,	<i>~</i> —					
8	(11.49	1		ļ		l
1	1	(thickness to be specified by the manufacturer), with water		1		1
•	İ	absorption less than 0.08% and conforming to IS:15622, or			i	1
1	1	approved brand & manufacturer, in all colours and shade, laid		1		j
	1	with cement based high polymer modified quick set tile adhesive		ı	ł	1
1	ł	(water based) conforming to IS: 15477, in average 6 mm		1	1	I
1	1	thickness, including grouting of joints (Payment for grouting of	f	1	1	
ľ	┨.	joints to be made separately).	1	1	l	i
ــــا،					<u> </u>	
8.1	11.49.2	Size of Tile 600x600 mm	2000.00	sqm	1609.95	3219900.00
		REPAIRS TO BUILDING		<u> </u>	<u> </u>	
9	14.83	Hacking of CC flooring including cleaning for surface etc.	1			
	<u> </u>	complete as per direction of the Engineer-in-Charge.	2045.00	sqm	2.50	5113.00
10	14.85	Taking out existing wooden door shutter, repair by cutting,			İ	
1	į	painting etc. and refixing of repaired door shutters to existing			i	
1		door frames, including replacement of hinges with screws, etc.		1:		
1	i	as required, all complete as per the direction of the Engineer-in-		1.		
		charge.	115.00	Each	297.85	34253.00
		DISMANTLING AND DEMOLISHING				
11	15.56	Dismantling old plaster or skirting raking out joints and cleaning				
1	l	the surface for plaster including disposal of rubbish to the		1		
		dumping ground within 50 metres lead.	921.00	sqm	39.00	35919.00
- 12	15.60	Disposal of building rubbish / malba / similar unserviceable,				
		dismantled or waste materials by mechanical means, including		1		
		loading,transporting, unloading to approved municipal dumping		İ		
<u> </u>		ground or as approved by Engineer-in-charge, beyond 50 m				
		initial lead, for all leads		i .		
i i		including all lifts involved.	19.00	Cum	138.85	2638.00
		Total	10.00		(A)	5322295.00
		Add Contingencies on (A) @	5.00%			266115.00
		Add Labour Cess on (A) @	1.00%			53223.00
		Add EPF & ESIC on (A) @	4.25%			226198.00
		Grand Total				5867831.00
					Say Rs.	58,67,900/-
		-sd/-		-s	d/-	
		Junior Engineer		Assistant	Engineer	
		KKR Sub Division		KKR Sub D	ivision	
		CPWD, Kurukshetra		CPWD, Ku	rukshetra	
				0		
		mali		Trash	ant_	
		Sr. Draughtsman		Executive	Engineer	
	.	Karnal Division		Karnal Divi	sion	
		CPWD, Karnal		CPWD, Ka	rnal	

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F ...

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that

the CPWD has already been intimated to submit the revised cost estimate of

these works after approval of the competent authority of the Institute.

9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

- 10 To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.
 - The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.
- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPWD the same will be discussed in the ensuing meeting of EAC.

Gt-

Annexure-II

Sr.	List of works to be put up before the B&WC in its ensuing meeting
No.	
1.	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 i.e. ECE, School of Material
	Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy.
1	Deptt., School of VLSI Design & Embedded System, Central Workshop,
2.	CED and Chemistry Deptt. etc. Provision of Internal & External finishing i.e. distempering & painting
2.	including minor & major repair in the Boys Hostel No. 1 - 3 & 7 - 10, Girls
	Hostels 1 - 4 and Staff Quarters including BT/CT.
3.	Provision of Internal & External finishing i.e. distempering & painting
] .	including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop
1	Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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
L	arrangement of drainage of storm water.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	Widening of various roads in the Institute
	i Road from Apollo Canteen to Security Check Post between Hostel
1	No. 7 & 8 along with the provision of footpath as per site requirement.
l	ii Road from Tubewell No. 5 to Junction near disposal pump along with
1	the provision of footpath as per site requirement. iii Road from Junction near disposal pump to North West corner of Guest
1	House.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Senate Hall.
11,	Finish floor with tiles in the common room, dinning hall, warden office and
	MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing
	a gate & parking shed for two wheelers along the in-side boundary wall
	towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking
15	near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismaptling the existing Tennis court
16.	with light facility etc. by dismantling the existing Tennis court. Provision of two nos. sheds near Main Porch in Golden Jubilee
10.	Administrative Building.
1=	
17.	Construction of Inter Locking Paver Blocks road surrounding STP and
	Oxidation Pond.

BWC 26.9

To consider and approve the Preliminary cum Detailed Cost Estimate for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west at NIT, Kurukshetra.

The competent authority of the Institute discussed the matter with Registrar-in-charge & Prof. I/C (Estate & Construction) during the site visit that the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west. It was also discussed that the parking space available near NIT Market Complex for two wheelers and four wheelers is very congested due to which the staff/officers working in the Golden Jubilee Administrative Building is facing the problem regarding parking their vehicles. So there is necessity to make provision for parking of two wheelers inside the building as mentioned above to separate the parking exists near NIT Market Complex exclusively for four wheelers.

Accordingly, after approval of the competent authority the Executive Engineer (Civil), CPWD, Karnal was communicated vide letter no.CC/3492/864/7194 dated 30.12.2019 to submit the cost estimate for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west.

Thereafter, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate for an amount of Rs. 25,32,000/- based on PAR-2012 and DSR-2018 alongwith latest provision by reducing the pro-rata area to maintain the aesthetic of the building for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west vide letter no. 20(NIT)PS/KC/2020/174 dated 21.01.2020 is enclosed as Appendix-XXVII from page 146 to 153.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cum detailed cost estimate of Rs. 25,32,000/-received from CPWD for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west was putup before the competent authority for approval. After approval of the competent authority the preliminary cum detailed

cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XXVIII** from page 154 to 155.

The Building & Works Committee may consider and approve the preliminary cum detailed cost estimate for an amount of Rs. 25,32,000/- for the provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west.

Appendix-XXVII

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3492/864/ 7174

Dated 30.12.2019

Τo

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

	& vvorks Committee meeting.					
Sr.	Name of Works					
No.						
1.	Providing & fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid					
1	resistance tiles and G.I. Sheet shade etc. in the various departments i.e. ECE, School of Material Science					
[& Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design &					
	Embedded System, Central Workshop, CED and Chemistry Deptt. etc.					
2.	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					
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the					
	Boys Hostel No. 4, 5 & 6					
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall					
	Complex and MBA/MCA building.					
5.	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.					
6.	Re-carpeting of various roads in the Institutional and Hostel areas.					
7.	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.					
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.					
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.					
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.					
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's					
	hostel No. (1-6) and girl's hostel No. 1.					
12.	Construction of shed for covering the sports complex stairs.					
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two					
	wheelers along the in-side boundary wall towards west.					
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex					

This may be treated as most urgent.

Prof. I/C (Estate & Construction

Copy to:

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



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

ESTATE SECTION
Diary No. 124
Dated 24/1/2020



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग,

एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दूरभाष : 0184-2250690 फैक्स : 0184-2250660 Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, : Karnal-132001. Phone: 0184-2250690

> Fax: 0184-2250660 E-mail: cpwdckarnal@gmail.com

संख्या:- 20(NIT)/यो.शा./क.मं/2020/ [74

दिनांक...थै.! | २.१.१७३०

सेवा में.

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

विषय : Provision of access to the golden

Provision of access to the golden Jubilee admin. Block building by providing a gate & parking shed for two wheelers along the inside boundary wall towards

west at NIT Kurukshetra.

संदर्भ :

आपका पत्र सं0 CC/3492/864/7194 दिनांक 30.12.2019

महोदय.

उपरोक्त कार्य का प्रारम्भिक अनुमान जिसकी राशि 25,32,000/— रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय,

ಪ್ರಕರಣ

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता

करनाल मण्डल, ्के.लो.नि.वि,

एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि :-

1. सहायक अभियंता, कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: Karnal
Sub-Division: KKR

NAME OF WORK:

Provision of access to the golden Jubilee admin. Block building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west at NIT Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 25,32,000/- i/c contingencies.

ite:Oisi

History:

This preliminary cum detailed estimate amounting to Rs. 25,32,000/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The above mentioned work has been assigned to CPWD by the Prof. I/C (Estate & Construction) vide letter no. CC/3492/864/7194 dated 30.12.2019 mentioned at Sr. No. 13 (Copy enclosed). Hence this preliminary cum detailed estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Preliminary estimate for provision of scooter and cycle shed for an area of 141.00 sqm (47x3m) with internal electrical installation @ 12.50% behind the administrative building at NIT Kurukshetra.
- 2. Detailed estimate for providing access to the scooter and cycle shed by demolishing boundary wall on the west side of administrative building and making provision of MS gate and approach road with cement concrete 1:2:4 upto the main road.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.
- 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 proceedipngs 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.

<u>Land:</u>

Available with client department.

Rate:

Based on PAR - 2012 & DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 25,32,000/- i/c 5% 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.

Sr/Draughtsman Karnal Division CPWD, Karnal Executive Engineer
Karnal Division
CPWD, Karnal

GENERAL ABSTRACT

Name of Work:- Provision of access to the golden gublee admin. Block building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west at NIT Kurukshetra.

S.No.	Description				Amount	Remarks	
1	PAR-2012 (C/o cycle scooter shed at admin. Building.)			2083286.00	Annexure-		
2	DSR-2018 (Provision of access road and gate for the shed)				·	213326.00	Annexure-
			Tota	I Rs.		2296612.00	
		Add	d Continge	encies @	5%	114831.00	
			Add Labo			22966.00	
	Add EPF & ESI @ 4.25%					97606.00	
	Grand Total Rs.					2532015.00	
•	•		Say	Rs.		25,32,000/-	
•	-sd/	/_			-sd/-		
	Junior En	gineer			Assistant Engineer		
	Kurukshetra Sub Division				Kurukshetra Sub Divi	sion	
	CPWD, Kurukshetra				CPWD, Kurukshetra	:	
					Prashant		
	Sr. Draug	htsman			Executive Engineer		
	Karnal Div				Karnal Division		
	CPWD, Ka	arnal		ï	CPWD, Karnal		

Annexure-A

Preliminary Estimate

Name of Work :-Provision of access to the golden gublee admin. Block building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west.

SLNo	Description	Qty	Unit	Rate	Amount	PAR-2012
1 .	Load bearing construction					2
1.1	Scooter & Cycles sheds	141.00	sq.mtr.	10500.00	1480500.00	2.3
1.2	SERVICES					3
1.2.1	Internal electrical installation. (Non		100%		•	
<u> </u>	resi. Bldg)	1480500.00	(B.Cost.)	12.50	185063.00	3.3
	Total				1665563.00	٤.
	Add Cost Index @ 6% (On					
	Estimate Total 16,65,563.00)				99934.00	
	Total				1765497.00	
	Add Cost Index of 18% for PAR - 2019					
	on PAR - 2012				317789.00	
	Grand Total				2083286.00	
						,
					·	
	-sd/-		-sd/-			
<u> </u>	Junior Engineer		Assistant E	ngineer		
<u> </u>	Kurukshetra Sub Div		Kurukshetra	Sub Division	n	
	CPWD, Kurukshetra		CPWD, Kur	ukshetra		
			ρ .	+		
	mark		rash	and _		
	Sr. Draughtsman		Executive E	ingineer		
	Karnal Division		Karnal Divis	ion		
-	CPWD, Karnal		CPWD, Karı	nal		

Annexure-B

Original Estimate

Name of work:- Provision of access to the golden gublee admin. Block building by providing a gate & parking shed for two wheelers along the inside boundary wall towards west at NIT Kurukshetra.

SLN	DSR	Description	05	I Init	Bata	Amaiint
0	No.	Description	Qty	Unit	Rate	Amount
1.	2	EARTH WORK				
1.1		Earth work in excavation by mechanical means (Hydraulic			İ ,	1
		excavator)/manual means over areas (exceeding 30 cm in	l .			
	l	depth, 1.5 m in width as well as 10 sqm on plan) including	•	ŀ		
1		getting out and disposal of excavated earth lead upto 50 m		1	İ	}
1	1	and lift upto 1.5 m, as directed by Engineer-in-charge.	1	İ		
1 .	2.6					
1.1.1	2.6.1	All kinds of soil	25	cum	181.85	4546.00
1.2		Supplying and filling in plinth with sand under floors,	I			i
1	1.	including watering, ramming, consolidating and dressing	4			ļ
ļ	2.27	complete.	6	cum	1953.05	11718.00
2	4	CONCRETE WORK		ļ	<u> </u>	
2.1	j	Providing and laying in position cement concrete of	Đ.	1		
].	specified grade excluding the cost of centering and		1	ĺ	<u> </u>
	4.1	shuttering - All work up to plinth level :		ļ		
2.1.1	İ	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from] }	
		natural sources: 10 graded stone aggregate 40 mm		}		
	4.1.10	nominal size derived from natural sources).	7	cum	5520.30	38642.00
2.2		Centering and shuttering including strutting, propping etc.				
-	4.3	and removal of form work for :		ļ, <u> </u>	004.05	055.00
2.2.1	4.3.1	Foundations, footings, bases for columns	3	sqm	284.85	855.00
3	6	MASONRY WORK				
3.1		Brick work with common burnt clay F.P.S. (non modular)				
	0.4	bricks of class designation 7.5 in foundation and plinth in:		1		
3.1.1	6.1 6.1.2	Coment morter 1:6 (1 coment : 6 coerce cond)	3	OU TO	6157.45	18472.00
3.1.1	10	Cement mortar 1:6 (1 cement : 6 coarse sand) STEEL WORK	<u> </u>	cum	0107.40	10472.00
4.1	10	Steel work welded in built up sections/ framed work,				
4.1		including cutting, hoisting, fixing in position and applying a	_	i . j		
		priming coat of approved steel primer using structural steel				
l	· 10.25	etc. as required.				
4.1.1		In gratings, frames, guard bar, ladder, railings, brackets,				-,
7.1.1		gates and similar works	360	kg	131.00	47160.00
5 ·		FLOORING		N9	101.00	77 100.00
5.1		Cement concrete pavement with 1:2:4 (1 cement : 2 coarse				
0.1		sand : 4 graded stone aggregate 20 mm nominal size),			ļ	ļ
		including finishing complete.	12	cum	7335.10	88021.00
6		FINISHING			. 555.15	
6.1		Painting with synthetic enamel paint of approved brand and				
	1	manufacture to give an even shade :		J	į	ļ
6.1.1		Two or more coats on new work	8	sqm	121.55	972.00
		JJie eeste en nen nen		-4		<u> </u>

7•	15	DISMANTLING AND DEMOLISHING				
7.1		Demolishing brick work manually/ by mechanical means				
1		including stacking of serviceable material and disposal of				
		unserviceable material within 50 metres lead as per				i i
	15.7	direction of Engineer-in-charge.				
7.1.1	15.7.4	In cement mortar	2	cum	1469.90	2940.00
		Total				213326.00
		-sd/-	-	sd/-		
		Junior Engineer	Assista	nt Eng	ineer	
		Kurukshetra Sub Division	Kurukshetra Sub Division			
		CPWD, Kurukshetra	CPWD,	Kuruks	hetra	
			0			
		Mode	Tra	shan	I	
		Sr/Draughtsman		ive Eng	ineer	
		Karnal Division		Division		
		CPWD, Karnal	CPWD,	Karnal		

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

1

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- 7 To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.
 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

- To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool.

 The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth
 - protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.
- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPVD the same will be discussed in the ensuing meeting of EAC.

(S)2--

Annexure-li

	Annexure-ii
Sr. No.	List of works to be put up before the B&WC in its ensuing meeting that is going to be held very shortly.
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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.
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13,	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court.
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building.
17.	Construction of Inter Locking Paver Blocks road surrounding STP and Oxidation Pond.

BWC 26.10

To consider and approve the Preliminary Cost Estimate for the provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex at NIT, Kurukshetra

The competent authority of the Institute discussed the matter with Registrar-in-charge & Prof. I/C (Estate & Construction) during the site visit that the provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex. It was also discussed that the parking space available near NIT Market Complex for two wheelers and four wheelers is very congested due to which the staff/officers working in the Golden Jubilee Administrative Building are facing a lot of problems regarding parking their vehicles. So there is necessity to make provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex.

Accordingly, after approval of the competent authority the Executive Engineer (Civil), CPWD, Karnal was communicated vide letter no.CC/3492/864/7194 dated 30.12.2019 to submit the cost estimate for the provision of access to Golden Jubilee Administrative Building by providing provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

Thereafter, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cost estimate for an amount of Rs. 56,03,300/- based on PAR-2012 alongwith latest provision for the provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex vide letter no. 20(NIT)PS/KC/2020/168 dated 20.01.2020 is enclosed as **Appendix-XXIX** from page 157 to 161.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cost estimate of Rs. 56,03,300/- received from CPWD for the provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex was putup before the competent authority for approval. After approval of the competent authority the preliminary cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XXX** from page 162 to 163.

The Building & Works Committee may consider and approve the preliminary cost estimate for 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.

Appendix-XXIX

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3492/864/ 7174

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

Sr.	Name of Works
No.	
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc.
2.	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
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	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.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
7.	Widening of various roads in the Institute i Road from Apolio 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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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





Diary No. 125

Dated 24/01/242



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

इाडया, करनाल -132001 दूरआष : 0184-2250690 फैक्स : 0184-2250660 Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्याः- २०(NIT)/यो.शा./क.मं/२०२०/ 🎉

सेवा में.

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

विषय :

Provision of shed for parking for four wheelers in the existing parking near NIT

Market Complex at NIT Kurukshetra.

संदर्भ :

आपका पत्र सं0 CC/3492/864/7194 दिनांक 30.12.2019

महोदय,

उपरोक्त कार्य का प्रारम्भिक अनुमान जिसकी राशि 56,03,300/— रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ—साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय,

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता

करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: Karnal Sub-Division: KKR

NAME OF WORK:

Provision of shed for parking for four wheelers in the existing parking near NIT Market Complex at NIT Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 56.03,300/- i/c contingencies.

History:

This preliminary estimate amounting to Rs. 56,03,300/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The above mentioned work has been assigned to CPWD by the Prof. I/C (Estate & Construction) vide letter no. CC/3492/864/7194 dated 30.12.2019 mentioned at Sr. No. 14 (Copy enclosed). Hence this preliminary estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

1. Preliminary estimate for provision of Car parking shed for an area of 343.98 sqm (70.20 x 4.90 metre) with internal electrical installation @ 12.50%.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.
- 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.

<u>Land:</u>

Available with client department.

Rate:

Based on PAR - 2012 rates.

Method:

Through contract after call of tender.

<u>Time:</u>

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 56,03,300/- i/c 5% 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.

Sr. Draughtsman Karnal Division CPWD, Karnal

Executive Engineer Karnal Division CPWD, Karnal

Preliminary Estimate

Name of Work :-Provision of shed for parking for four wheelers in the existing parking near NIT Market Complex.

SLN	Description	Qty	Unit	Rate	Amount	PAR - 2012
1	Load bearing construction					2
1.1	Scooter & Cycles sheds	343.98	sq.mtr.	10500.00	3611790.00	2.3
	{(24.20+24.20+14.40+7.40) x 4.90m}					
1.2	SERVICES					3
1.2.1	Internal electrical installation. (Non resi. Bldg)		100%			
		3611790.00	(B.Cost.)	12.50	451474.00	3.3
1	Total				4063264.00	
	Add Cost Index @ 6% (On Estimate Total 4063264.00)				243796.00	
	Total				4307060.00	
	Add Cost Index of 18% for PAR - 2019 on PAR - 2012				775271.00	
	Grand Total			(Á)	5082331.00	
	Add Contingencies on (A) @ 5.00%				254117.00	
	Add Labour Cess on (A) @ 1.00%				50823.00	
77.	Add EPF & ESIC on (A) @ 4.25%				215999.00	
	Grand Total				5603270.00	
	Say Rs.				56,03,300/-	
				-		
	-sd/-		-sd/			
	Junior Engineer		Assistant			
	Kurukshetra Sub Division Kurukshetra Sub Division			sion		
	CPWD, Kurukshetra	CPWD, Kurukshetra CPWD, Kurukshetra				
	maik		Prach	ant		
			Executive			
	S(Draughtsman					
-	Karnal Division CPWD, Karnal		Karnal Divi CPWD, Ka			

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soli Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

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- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly.

 The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- 9 To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

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- 11 The following works are to be discussed under HEFA
 - i) Construction of G+5 Building
 - ii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPWD the same will be discussed in the ensuing meeting of EAC.

Ao-

Annexure-II

	AllifeXute-II
Sr.	List of works to be put up before the B&WC in its ensuing meeting
No.	
1.	Providing & fixing of vitrified floor tiles, false ceiling, aluminium
1	partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet
i	shade etc. in the various departments i.e. ECE, School of Material
1	Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy.
1	Deptt., School of VLSI Design & Embedded System, Central Workshop,
	CED and Chemistry Deptt. etc.
2.	Provision of Internal & External finishing i.e. distempering & painting
1	including minor & major repair in the Boys Hostel No. 1 - 3 & 7 - 10, Girls
	Hostels 1 - 4 and Staff Quarters including BT/CT.
3.	Provision of Internal & External finishing i.e. distempering & painting
	including minor & major repair in the Boys Hostel No. 4, 5 & 6.
4.	Construction of extension of existing corridor from New Workshop
	Building to 12 nos. Lecture hall Complex and MBA/MCA building.
5.	Strengthening of existing Cement Concrete pavement/road from North
ļ	East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA
İ	Department and road between Jubilee Hall & Library including
	arrangement of drainage of storm water.
6.	Re-carpeting of various roads in the Institutional and Hostel areas.
6. 7.	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.
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.
9.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Jubilee Hall.
10.	Renovation/upgradation including Civil, Electrical, Audio System and
	furniture works in the Senate Hall.
11.	Finish floor with tiles in the common room, dinning hall, warden office and
	MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.
12.	Construction of shed for covering the sports complex stairs.
13.	Provision of access to Golden Jubilee Administrative Building by providing
. ••	a gate & parking shed for two wheelers along the in-side boundary wall
	towards west.
14.	Provision of shed for parking only for four wheelers in the existing parking
	near NIT Market Complex.
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts
٠٠.	with light facility etc. by dismantling the existing Tennis court.
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee
	Administrative Building.
	L
17.	Construction of Inter Locking Paver Blocks road surrounding STP and
	Oxidation Pond.

BWC 26.11 To consider and approve the Preliminary Cost Estimate for the provision of two nos. sheds on the either side of existing Main Porch in Golden Jubilee Administrative Building

The competent authority of the Institute discussed the matter with Registrar-in-charge & Prof. I/C (Estate & Construction) during the site visit that two more sheds are required to construct on the either side of existing main porch in Golden Jubilee Administrative Building. It was also discussed that there is a scarcity of space for parking the vehicles of VIPs/Visitors during their visit from time to time in the Institute. Therefore, the existing shed is required to be extended by providing additional sheds on either side.

Accordingly, after approval of the competent authority a letter vide no.CC/3492/865/7195 dated 30.12.2019 was sent to the Executive Engineer (Civil), CPWD, Karnal to submit the cost estimate for the provision of two nos. sheds near Main Porch of Golden Jubilee Administrative Building.

Further, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cost estimate for an amount of Rs.19,95,500/- based on Plinth Area Rates 2019 by adding the cost index of 18% on PAR-2012, for the provision of two nos. sheds near Main Porch of Golden Jubilee Administrative Building vide letter No. 20(NIT)/PS/KC/2020/166 dated 20.01.2020 is enclosed as **Appendix-XXXI** from page 165 to 171.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cost estimate of Rs. 19,95,500/- received from CPWD for the provision of two nos. sheds near Main Porch of Gold Jubilee Administrative Building was put up before the competent authority for approval. After approval of the competent authority the preliminary cum detailed cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XXXII** from page 172 to 173.

The Building & Works Committee may consider and approve the preliminary cost estimate for an amount of Rs. 19,95,500/- for the provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building.

Appendix- XXXI

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No.1493/865/7195

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the cost estimate for the following two nos. works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the cost estimate for the following works within a week, so that the same may be putup in the ensuing Building & Works Committee meeting.

Sr. No.	Name of Works
No.	, and the second
1	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building
2.	Construction of Inter Locking Paver Blocks road surrounding STP and Oxidation Pond.

This may be treated as most urgent.

Prof. I/C (Estate & Construction

Copy to:

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

before the ensuing Building & Works Committee or and

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

	e). The detail is given as under:			
Sr.	Name of Works	Approved From		
		B&WC	FC	BOG
1. 2. 3. 4. 5.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc. 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 Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6 Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building. 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. Re-carpeting 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	25th heid on	41st	50th held on 20.06.2019
3.	footpath as per site requirement. iii Road from Junction near disposal pump to North West corner of Guest House. Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court			
9.	Water Proofing Treatment of Cafeteria in Open Air Theatre.			
10.	Renovation/upgradation including Civil, Electrical	in misman		
-	and Audio System works in the Jubilee Hall.			
11.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	المرسوا لدائم		
12.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.			
3.	Construction of shed for covering the sports complex stairs.	23rd	35th	42nd
4.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	held on03.06.2 17	held on 05.06.2017	held on 27.06,2017
5.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex			
6.	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works	-
7.	Construction of Inter Locking Paver Block roads surrounding STP and Oxidation Pond.			

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

Submitted for approval please.

The to Introduction of DSR-2019

Registrar Office Dairy No. 4038

₹3.14.14





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

Diary No. 126 Dated. 24 0/202

ESTATE SECTION



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग,

एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दूरभाष : 0184-2250690 फैक्स : 0184-2250660

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्याः- २०(NIT)/यो.शा./क.मं/२०२०/ 166

सेवा में,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

विषय :

Provision of two nos sheds near main porch in golden jubilee administrative

building at NIT Kurukshetra.

संदर्भ :

आपका पत्र सं0 CC/3492/865/7195 दिनांक 30.12.2019

महोदय,

उपरोक्त कार्य का प्रारम्भिक अनुमान जिसकी राशि 19,95,500/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय.

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता

करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि:-

1. सहायक अभियंता, कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरुक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R NAME OF WORK:

Division: Karnal
Sub-Division: KKR

Provision of two nos sheds near main porch in golden jubilee administrative building at NIT Kurukshetra.

MAJOR HEAD MINOR HEAD DETAIL HEAD

This preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 19,95,500/- i/c contingencies.

History:

This preliminary estimate amounting to Rs. 19,95,500/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The above mentioned work has been assigned to CPWD by the Prof. I/C (Estate & Construction) vide letter no. CC/3492/865/7195 dated 30.12.2019 mentioned at Sr. No. 1 (Copy enclosed). Hence this preliminary estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

1. Provision of two nos. scooter and cycle shed on the left and right side of main entrance porch at Golden Jubilee Administrative Building having an area of 61.25 sqm (12.50x4.90m) each with internal electrical installation @ 12.50%.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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 PAR - 2012 rates.

Method:

Through contract after call of tender.

Time:

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 19,95,500 /- i/c 5% 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.

Sr. Draughtsman Karnal Division CPWD, Karnal

Executive Engineer Karnal Division CPWD, Karnal

Preliminary Estimate

Name of Work :- Provision of two nos sheds near main porch in golden jubilee administrative building at NIT Kurukshetra.

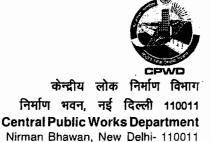
-	Mulding at 1411 Italianshella.					
SLN o	Description	Qty	Unit	Rate	Amount	PAR - 2012
1	Load bearing construction					2
1.1	Scooter & Cycles sheds	122.50	sq.mtr.	10500.00	1286250.00	2.3
	{2 x (12.50 x 4.90m)} =122.50 Sqm	٠,				
1.2	SERVICES					3
1.2.1	Internal electrical installation. (Non resi.		100%			
	Bldg)	1286250.00	(B.Cost.)	12.50	160781.00	3.3
	Total				1447031.00	
	Add Cost Index @ 6% (On Estimate Total					
	1447031.00)				86822.00	
	Total				1533853.00	
	Add Cost Index of 18% for PAR - 2019 on					
	PAR - 2012				276094.00	
	Grand Total			. (A)	1809947.00	
	Add Contingencies on (A) @ 5.00%				90497.00	·
	Add Labour Cess on (A) @ 1.00%				18099.00	
	Add EPF & ESIC on (A) @ 4.25%	 			76923.00	
	Grand Total				1995466.00	
	Say Rs.				19,95,500/-	
	-sd/-		-sd/-			
- 1	Junior Engineer		Assistant E	ngineer		
	Kurukshetra Sub Division		Kurukshetra	Sub Divisio	n	
	CPWD, Kurukshetra		CPWD, Kur	ukshetra		
			P			
	molik		Trach			
	S/. Draughtsman		Executive Engineer			
	Karnal Division		Karnal Division			
	CPWD, Karnal		CPWD, Kar	nal		



DR K.M. SONI Addl. Director General (TD)



भारत सरकार Government of India



PREFACE

- DSR i.e. Delhi Schedule of Rates-2018 includes the existing items of DSR 2016 with deletion of few items not in practice, merger of similar items and addition of new items in line with emerging trends in construction Industry.
- 2. DSR-2018 is based on the prevailing market rates of materials in Delhi as on 01.10.2018. The labour rates adopted are as per minimum wages applicable w.e.f 01.10.2018 issued by Govt. of Delhi/Govt. of India, whichever is higher.
- 3. The cost index for DSR 2018 is 118 with reference to CPWD Plinth Area Rates 2012, having base 100 as on 01.10.2012.
- 4. The technical sanctioning authority may decide rates of non-schedule items judiciously based on market rates without adding cost index.
- This DSR 2018 shall be read along with CPWD specifications 2009 Vol.-I & II with up to date Correction Slips.
- 6. Following are the Salient Features of DSR-2018:
 - 6.1 DSR-2018 is bilingual and in two volumes.
 - 6.1.1 The rates of basic materials incorporated in this DSR 2018 are considered for the materials available in the market conforming to BIS Standards/ CPWD Specifications.
 - 6.1.2 The effect of GST on works contracts has been incorporated in all the items.

Salient Modifications and Changes in Sub Heads:

- 7.1 Earth work: Item No. 2.25(a) Excavating, supplying and filling of local earth by mechanical transport up to a lead of 5km has been added.
- 7.2 Reinforced Cement Concrete: Item No. 5.22B & 5.22C Steel Reinforcement for R.C.C work ready to use "Cut bend" rebars have been added. Nomenclature of item no.5.9 modified. Item no.5.50 to 5.57 shifted to sub head 26 i.e. New Technologies & Materials (26.73 to 26.80).

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt.

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

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 - The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.
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The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

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The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPWD the same will be discussed in the ensuing meeting of EAC.

172-478

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	Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy.					
	Deptt., School of VLSI Design & Embedded System, Central Workshop,					
	CED and Chemistry Deptt. etc.					
2.	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.					
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6.					
4.	Construction of extension of existing corridor from New Workshop					
	Building to 12 nos. Lecture hall Complex and MBA/MCA building.					
5 .	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					
	Department and road between Jubilee Hall & Library including arrangement of drainage of storm water.					
6.	Re-carpeting of various roads in the Institutional and Hostel areas.					
7.	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.					
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.					
9.	Renovation/upgradation including Civil, Electrical, Audio System and					
	furniture works in the Jubilee Hall.					
10.	Renovation/upgradation including Civil, Electrical, Audio System and					
	furniture works in the Senate Hall.					
11.	Finish floor with tiles in the common room, dinning hall, warden office and					
40	MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.					
12.	Construction of shed for covering the sports complex stairs.					
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall					
	towards west.					
14.	Provision of shed for parking only for four wheelers in the existing parking					
	near NIT Market Complex.					
15.	Detailed cost estimate for construction of 3 Nos. Synthetic Tennis courts					
	with light facility etc. by dismantling the existing Tennis court.					
16.	Provision of two nos. sheds near Main Porch in Golden Jubilee					
	Administrative Building.					
17.	Construction of Inter Locking Paver Blocks road surrounding STP and					
	Oxidation Pond.					

BWC 26.12 To consider and approve the Preliminary cum Detailed Cost Estimate for construction of paved road by providing inter locking paver blocks surrounding the Oxidation Ponds near STP at NIT, Kurukshetra.

The competent authority of the Institute discussed the matter with Registrar-in-charge & Prof. I/C (Estate & Construction) during the site visit regarding to construct a paved road by providing Inter locking paver blocks surrounding the Oxidation Ponds near STP and peripheral road along the boundary to access to maintenance staff for security point of view.

The approval of the competent authority was sent to the Executive Engineer (Civil), CPWD, Karnal vide letter no.CC/3492/865/7195 dated 30.12.2019 to submit the cost estimate for construction of paved road by providing inter locking 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.

Further, the Executive Engineer (Civil), CPWD, Karnal submitted the preliminary cum detailed cost estimate for an amount of Rs. 87,04,500/- based on DSR-2018 for construction of paved road by providing inter locking 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 for an approximate area 3617sqm. out of which 1461 sqm. for the berms surrounding the oxidation ponds and 1956sqm. for peripheral road along the boundary wall vide letter No. 20(NIT)/PS/KC/2020/165 dated 20.01.2020 is enclosed as **Appendix-XXXIII** from page 176 to 182.

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cum detailed cost estimate of Rs. 87,04,500/-received from CPWD for construction of paved road by providing inter locking 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 was put up before the competent authority for approval. After approval of the competent authority the preliminary cum detailed cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XXXIV from page 183 to 184.**

The Building & Works Committee may consider and approve the preliminary cum detailed cost estimate for an amount of Rs. 87,04,500/- for construction of paved road by providing inter locking 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.

Appendix - XXXIII

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No.100/3492/865/7195

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

To submit the cost estimate for the following two nos. works at NIT,

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the cost estimate for the following works within a week, so that the same may be putup in the ensuing Building & Works Committee meeting.

Sr.	Name of Works
No.	
1	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building
2,	Construction of Inter Locking Paver Blocks road surrounding STP and Oxidation Pond.

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

Copy to:

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

Subject:

Approval for demanding the trestitievised cost commit before the ensuing Building & Works Committee of the Institute.

The following works have been approved from the Building & Works Committee subsequently, approved by the Finance Committee and BOG (placed in

Sr.). The detail is given as under: Name of Works	1	rom	
No.		B&WC	FC	BOG
1.	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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry			Вос
2.	Deptt. etc. 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 Provision of Internal & External finishing i.e.			
J .	distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6			
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.			
5.	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.	25th held on	41st held on 20.06.2019	50th held on 20.06.2019
6.	Re-carpeting of various roads in the Institutional and Hostel areas.	1		
7.	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.			
3.	Construction of 3 Nos. Synthetic Tennis courts with light facility etc. by dismantling the existing Tennis court			
	Water Proofing Treatment of Cafeteria in Open Air Theatre.			:
0.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Jubilee Hall.	manimar		
1.	Renovation/upgradation including Civil, Electrical, and Audio System works in the Senate Hall.	funnishmal.		
2.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1.			
3.	Construction of shed for covering the sports complex stairs.	23rd held	35th	42nd
4.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two wheelers along the in-side boundary wall towards west.	on03.06.2 17	held on 05.06.2017	held on 27.06.2017
5.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex			
	Provision of two nos. sheds near Main Porch in Golden Jubilee Administrative Building		New Works	
7.	Construction of Inter Locking Paver Block roads			

In view of the above, if agreed, the Hon'ble Director may accord approval for asking to submit the revised cost estimate for sr. no. 1 to 15 and fresh cost estimate The to Introduction of for sr. no. 16 & 17 to Executive Engineer (Civil) & (Elect.), CPWD, Karnal.

Prof. I/C (E&C)

surrounding STP and Oxidation Pond.

Registrar Office

DSR-2019





ESTATE SECTION

Diacy No. 127

Diary No. 1.27.....



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग, एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ इंडिया, करनाल -132001 दरभाष : 0184-2250690

फैक्स: 0184-2250660

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

> Fax: 0184-2250660 E-mail: cpwdckamal@gmail.com

संख्याः- २०(NIT)/यो.शा./क.मं/२०२०/ 냲 🗲

विनांक. रे.० हो . २०२_०

सेवा में,

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

Kurukshetra.

विषय ः

Construction of inter locking paver blocks road surrounding STP and Oxidation

ponds at NIT Kurukshetra.

संदर्भ :

आपका पत्र सं0 CC/3492/865/7195 दिनांक 30.12.2019

महोदय.

उपरोक्त कार्य का प्रारम्भिक अनुमान जिसकी राशि 87,04,500/- रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय,

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता

करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि:-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R

Division: Karnal
Sub-Division: KKR

NAME OF WORK:

Construction of inter locking paver blocks road surrounding STP and Oxidation ponds at NIT Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD

This preliminary cum detailed estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 87,04,500/- i/c contingencies.

11.101.11

History:

This preliminary cum detailed estimate amounting to Rs. 87,04,500/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work and to accord A/A & E/S by the competent authority. The above mentioned work has been assigned to CPWD by the Prof. I/C (Estate & Construction) vide letter no. CC/3492/865/7195 dated 30.12.2019 mentioned at Sr. No. 2 (Copy enclosed). Hence this preliminary cum detailed estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this preliminary estimate:-

- 1. Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains in all kind of soil for the toe walls along the boundary wall road and all round the oxidation ponds etc.
- 2. Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level: 1:5:10 under the toe walls and paver blocks road.
- 3. Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne of the road surface area.
- 4. Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1:6 for toe wall and periphery of oxidation pond.
- 5. Providing and laying cement concrete 1:1.5:3 for coping on toe wall along the road.
- 6. Providing and laying factory made chamfered edge Cement Concrete paver blocks 80mm thick in M-30 grade concrete.

Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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 & Pi

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

<u>Land:</u>

Available with client department.

Rate:

Based on DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

06 Months (After receipt of A/A & E/S)

Cost:

Rs. 87,04,500/- i/c 5% 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.

Sr, Draughtsman Karnal Division CPWD, Karnal

Executive Engineer Karnal Division CPWD, Karnal

Original Estimate

Name of work :- Construction of inter locking paver blocks road surrounding STP and Oxidation ponds at NIT Kurukshetra.

1411	Kuruks	lietia.	1			
SLN	DSR 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.	796.00	Cum	252.30	200831.00
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): 10 graded stone aggregate 40 mm nominal size)	603.00	Cum	5520.30	3328741.00
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 centenng, shuttering and finishing:				
2.2.1	4.2.2	1:11/2:3 (1 cement : 11/2 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	15.00	Cum	8976.45	134647.00
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	199.00	sqm	284.85	56685.00
3	13	FINISHING WORK		ļ		
3.1	13.4	12 mm cement plaster of mix :	216.00	0000	263.55	56927.00
3.1.1 3.2	13.4.2	1:6 (1 cement: 6 coarse sand) 15 mm cement plaster on rough side of single or half brick wall of mix:	210.00	sqm	263.55	30927.00
.2.1	13.5.2	1:6 (1 cement: 6 coarse sand)	216.00	sqm	303.90	65642.00
.3	13.16	6 mm cement plaster of mix :				
_		1:3 (1 cement : 3 fine sand)	166.00	sqm	227.35	37740.00
		ROAD WORK				
.1	-	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	/			
			3617.00	sqm	156.75	566965.00

4.2 (16.91	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.				
4.2.1	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved				
		color design and pattern.	3617.00	Sqm	953.00	3447001.00
		Total			(A)	7895179.00
		Add Contingencies (A) @	5.00%			394759.00
		Add Labour Cess (A) @	1.00%			78952.00
		Add EPF & ESIC (A) @	4.25%			335545.00
	,	Grand Total				8704435.00
		Say				87,04,500.00
						· · ·
		-sd/-		-	-sd/-	
		Junior Engineer		Assistant Engineer		
		Kurukshetra Sub Division		Kurukshetra Sub Division		
		CPWD, Kurukshetra		CPWD, Kurukshetra		hetra
				P		t
		/m.d.te	-	17942011		
		Sy. Draughtsman		Executive Engineer		
		Karnal Division		Karnal Division		
		CPWD, Karnal		CPWE), Karnal	

To discuss the request received from Prof. Anupam Mital, Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg.

The request received from Prof.I/C (Soil Mechanics Lab) vide no. CED/1201 dated 30.09.2019 regarding to fix the Kota Stone on floor in various lab of Geotechnical Section, Civil Engg. Deptt. was discussed in the Estate Affairs Committee meeting. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

To discuss the request received from Prof. N.P. Singh, HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt.

The request received from HoD, ECE vide letter no. ECE/ /1750 dated 29.11.2019 regarding to fix the vitrified floor tiling in room nos. 103, 108 & 111 of ECE Deptt. was discussed in the Estate Affairs Committee. The EAC resolved and recommended that the work has already been approved by the 25th B&WC meeting held on 27.05.2019 vide item no. 25.3 for various works of the departments and it was apprised to the committee that the CPWD has already been intimated to submit the revised cost estimate for floor tiling, aluminium partitioning and false ceiling etc. to putup before the ensuing meeting of Building & Works Committee which will be held shortly.

- To discuss regarding various works to be putup before the B&WC in its ensuing meeting that is going to be held very shortly. The EAC discussed the various works as per Annexure-II (from sr. no. 1 to 17) to putup before the B&WC in its ensuing meeting. The EAC was also apprised that the CPWD has already been intimated to submit the revised cost estimate of these works after approval of the competent authority of the Institute.
- To discuss the request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/giass partition for a small scale library in the Hostel No.-10 for the residents.

The request received vide ref. no. H-10/2019/574 dated 20.11.2019 from Warden, Hostel No.-10 (Visvesvaraya Bhawan) regarding the aluminium/glass partition for a small scale library in the Hostel No.-10 for the residents was discussed in the EAC meeting. The EAC resolved and recommended that no aluminium/glass partitioning is possible.

- To discuss the request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool. The request received vide no. PESS/19/535 dated 23.12.2019 regarding to repair the plinth and boundary wall of Swimming Pool was discussed in the EAC meeting. The EAC discussed and resolved that the Estate Officials may visit the site to inspect regarding repair of boundary wall and repair/replacement of plinth protection. The work may be executed by Estate Section if need be the approval may be obtained from the competent authority of the Institute.
- The following works are to be discussed under HEFA

 - i) Construction of G+5 Buildingii) Construction of Gymnasium Hall
 - iii) Construction of Student Activity Centre (SAC)
 - iv) (a) 750 capacity Single seater hostel (b) 750 capacity 2 seater hostel
 - v) Construction of Community Centre
 - vi) Construction of Auditorium Hall (2000 capacity)

The matter was discussed in the EAC meeting regarding the works under HEFA. The Prof. I/C (E&C) apprised to the committee that a letter has already been conveyed to Chief Architect, CPWD, Chandigarh & Superintending Engineer (Civil), CPWD, Karnal for submitting the Architectural drawings and cost estimate for the above said works. As and when the Architectural drawings and cost estimates received from CPYVD the same will be discussed in the ensuing meeting of EAC.

partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. in the various departments i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc. 2. 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. 3. Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6. 4. Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building.		Annexure-II
 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 i.e. ECE, School of Material Science & Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSI Design & Embedded System, Central Workshop, CED and Chemistry Deptt. etc. 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. Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the Boys Hostel No. 4, 5 & 6. Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall Complex and MBA/MCA building. 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. Re-carpeting of various roads in the Institutional and Hostel areas. Widening of various roads in the Institutional and Hostel areas. Widening of various roads in the Institution and Hostel areas. Widening of various roads in the Institution and Hostel areas. Widening of rootpath as per site requirement. Road from Junction near disposal pump to North West corner of Guest House. Water Proofing Treatment of Cafeteria in Open Air Theatre. Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall. Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's hostel No. (1-6) and girl's hostel No. 1. Construction of shed for parking only for f	1	
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BWC 26.13 To consider and approve the Revised Cost Estimate for renovation/up-gradation of Senate Hall including Civil, Electrical, Audio System and furniture works at NIT, Kurukshetra.

The Building & Works Committee approved the cost estimate for the repair work including civil, electrical and Audio System in the Jubilee Hall & Senate Hall for an amount of Rs. 4,10,97,120/- (Rs. 1,48,38,420/- for Senate Hall i.e. Rs. 90,01,020/- for Electrical Works and Rs. 58,37,400/- for Civil works) and (Rs. 2,62,58,700/- for Jubilee Hall i.e. Rs. 1,17,46,700/- for Electrical Works and Rs. 1,45,12,000/- for Civil Works) in its 25th meeting held on 27.05.2019 vide item no. 25.12 Subsequently, the same was approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 is enclosed as **Appendix-XXXV** from **page 189 to 190**.

Thereafter, Assistant Engineer (Civil), Kurukshetra, Central Sub Division, CPWD, Kurukshetra intimated vide No. 24(8)/AE/KCSD/2019/143 dated 30.07.2019 that a meeting was held on 25.07.2019 between CPWD and NIT Officers. During the meeting it was decided that scope of work and detailed specifications may be finalised and also decided that the work shall be executed in two phases. The same be conveyed to CPWD so that detailed estimate can be modified. Accordingly, in this regards the meetings were also held on 1.08.2019 & 13.08.2019 by Professor I/C (E &C) with Dean (IIR) In-charge of Senate Hall alongwith Estate Official regarding to finalise the scope of work and latest specifications. The finalised scope of work and latest specifications were conveyed to CPWD to submit the detailed cost estimate is enclosed as **Appendix-XXXVI on page 191.**

Further, in reference to the above meetings the Executive Engineer (Elect.), CPWD, Karnal submitted a preliminary cost estimate for an amount of Rs. 91,11,756/- vide letter no. 20(7)/KCED/2019/1424 dated 03.09.2019. The Executive Engineer (Elect.) CPWD was also intimated vide letter no. CC/3550/553/5321 dated 06.09.2019 that to add the following points in the preliminary cost estimate:

- 1. LAN points for the tables
- 2. CCTV at entrance & inside of the Senate Hall.
- UPS backup for Audio & Visual System.

The Executive Engineer (Civil), CPWD also submitted a modified preliminary cost estimate for an amount of Rs. 97,70,900/- for renovation of Senate Hall vide letter no. 20(NIT)/PS/KCD/2019/4443 dated 07.09.2019 is enclosed as **Appendix-XXXVII** from page 192 to 214.

Accordingly, the Executive Engineer (Civil), & Executive Engineer (Elect.), CPWD, Karnal were intimated vide no. CC/3527/689/5975 dated 18.10.2019 to submit the modified cost estimate (inclusive of all taxes) for the renovation of Senate Hall after re-appropriation of items of work that can be done within the already approved amount i.e. Rs. 58,37,400/- for civil work and Rs. 90,01,020/- for Electrical work. In response to the above referred letter Executive Engineer (Elect.), CPWD, Karnal had intimated vide letter no. 20(38)/KCED/2019/176 dated 23.10.2019 that the work can be executed within the already approved amount of Rs. 90,01,020/- may be seen from the already submitted preliminary estimate for the above said work is enclosed as **Appendix-XXXVIII** from page 215 to 216.

Further, Executive Engineer (Civil), CPWD, Karnal also intimated vide letter no. 20(NIT)/PS/KC/2019/4628 dated 25.10.2019 that a modified preliminary cost estimate amounting to Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) including contingencies for civil work has already been sent to your office for A/A & E/S vide letter no. 20(NIT)/PS/KCD/2019/ 4443 dated 07.09.2019. A letter was also received from Executive Engineer Karnal, CPWD for providing consultancy services for Interior Designing & Renovation of Jubilee Hall at NITK vide No. 20(NIT)/PS/CD/ 2019/4825 dated 02.11.2019 for an amount of Rs. 3,18,500/-. Accordingly, Executive Engineer (Civil) & Executive Engineer (Elect.), CPWD, Karnal were conveyed vide letter No.CC/3492/864/7194 dated 30.12.2019 to submit the revised cost estimate for renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall as the meeting of Building & Works Committee of the Institute is going to be held very shortly is enclosed as Appendix-XXXIX from page 217 to 223.

Accordingly, Executive Engineer (Elect.), CPWD, Karnal submitted the revised cost estimate for an amount of Rs. 99,95,856/- for providing Audio/Visual System, VRV Air-conditioning system & LED fixtures, CCTV & LAN system etc. in the Senate Hall at NIT, Kurukshetra vide letter no. 20(7)/CED/2019/100 dated 10.01.2020 is enclosed as **Appendix-XL from page 224 to 227**.

In the mean time after approval of the competent authority of the Institute the A/A & E/S for an amount of Rs. 4,10,97,120/- already approved by B&WC subsequently FC & BOG for the repair work including Civil, Electrical and Audio System in the Jubilee Hall & Senate Hall was conveyed to Executive Engineer (Civil), CPWD, Karnal vide letter no. CC/3527/35/568 dated 16.01.2020. In response to the above referred letter the Executive Engineer (Civil), CPWD submitted the preliminary cost estimate of Rs. 30,67,800/- vide letter no. 20(NIT)/PS/CD/2020/261 dated 31.01.2020 for supply and fixing of auditorium chair in Senate Hall. He also stated in the letter that the a modified cost estimate already submitted on 7.09.2019 as per changes suggested by Prof. I/C (E&C) and In-charge of Senate Hall is enclosed as Appendix-XLI from page 228 to 234.

In the light of the above facts the detail of the following revised cost estimates as per DSR-2018/ PAR-2019/Market Rates submitted by the Executive Engineer (Civil) & (Elect.), CPWD, Karnal for renovation/up-gradation including Civil, Electrical, Audio System and Furniture work in the Senate Hall. Further, it is important to note that the revised cost estimate for renovation/up-gradation including Civil, Electrical, Audio System and furniture works of Jubilee Hall will be put in the next Building & Works Committee after receipt from CPWD which is in process:

Sr. No.	Description	Revised cost estimate (In Rs.)
1	Internal civil work of Senate Hall /Auditorium along with the renovation of toilet blocks.	66,93,787.00
2	Uplift of the entrance of the Senate Hall.	30,77,130.00
3	Providing Audio/Visual System, VRV Airconditioning system & LED fixtures, CCTV & LAN System etc. in the Senate Hall.	99,95,856.00
4	Supply & fixing of auditorium Chair for Senate Hall.	30,67,800.00
	Total	2,28,34,573.00

In view of the recommendation of the EAC in its meeting held on 08.01.2020, the preliminary cost estimate of **Rs. 2,28,34,573/-** received from CPWD for renovation/up-gradation of Senate Hall including Civil, Electrical, Audio System and furniture works was put up before the competent authority for approval. After approval of the competent authority the preliminary cum detailed cost estimate is put up before the Building & Works Committee for approval is enclosed as **Appendix-XLII from page 235 to 236.**

The Building & Works Committee may consider and approve the Revised cost estimate for 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 Senate Hall at NIT, Kurukshetra.



BWC 25.11 To consider and approve the cost estimate for Water Proofing Treatment of Cafeteria in Open Air Theatre at NIT, Kurukshetra.

The Building and Works Committee deliberated on the matter that such type of works covers under preventive maintenance is required to be carried out to avoid occurrence of maintenance problems in the building and services. It is necessary to prevent the structure and services from deterioration and restore back in its original condition.

In view of the above after detailed discussion the Building and Works Committee approved the cost estimate with an amount of Rs. 21,96,000/- for special repair of Water Proofing Treatment of Cafeteria in Open Air Theatre of the Institute.

BWC 25.12 To consider and approve the cost estimate for the repair work including Civil, Electrical and Audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra.

It was apprised to the Building & Works Committee that the Jubilee Hall and Senate Hall were constructed in the year 1990s and 2002 respectively. It was also apprised that the last special repair of Jubilee Hall was carried out in 2004. The Committee has also taken notes of the fact that the total student intake per year was about 1500 in 2004 and has been increase to 3500 in 2008-09. Further, at present the total strength of the students in the Institute is more than 5000.

In view of the above, the Building and Works Committee deliberated on the matter and approved the cost estimate with an amount of Rs. 4,10,97,120/-for special repairs and maintenance of Civil and Electrical works including Audio System in the Jubilee Hall & Senate Hall of the Institute as per detail furnished in the agenda item.

BWC 25.13 To consider and approve the revised preliminary cost estimate for Construction of Indoor Badminton Hall at NIT, Kurukshetra.

The Building & Works Committee deliberated on the matter that the Administrative Approval & Expenditure Sanction already conveyed to CPWD in May, 2018. The Executive Engineer (Civil), CPWD invited the tender only on the basis of architectural drawings duly approved by the Institute instead of detailed structural design and drawings. The Executive Engineer (Civil),

Minutes of 25th Building & Works Committee meeting held on 27.05.2019

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amp -

Diary No. 1916
Dated, 99/7/19

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA KURUKSHETRA-136119 Haryana

No. NITK/41st FC/ 4163

Dated: 18.07.2019

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The Finance Committee of the Institute in its 41st meeting held on 20.06.2019 has decided as under:

FC.41.4 To consider and approve the minutes of the 25th meeting of Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th May, 2019.

The Finance Committee considered the recommendations made by the Building & Works Committee and recommended to the Board for its administrative approval and expenditure sanction to the works as mentioned in the agenda item.

Further, on item No. 25.13-related to construction of Indoor Badminton Hall, the Finance Committee decided that the final cost of the work should not be exceeded by 20% of the already sanctioned amount of Rs.77,20,525/-.

The Board of Governors in its 50th meeting held on 20.6.2019 has approved the above minutes of the Finance Committee.

This is for your reference, record and further necessary action in the matter.

REGISTRAR

Encl: Agenda Item

Professor-in-Charge (Estate & Constructions)

Copy to:

1. Professor-in-Charge (Accounts) //ari

2. Assistant Engineer (Civil)

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Jungo 23/2 24/119

कन्द्राय लाक निमाण विमाग

कुरूक्षेत्र केन्द्रीय उप-मण्डल, कुरूक्षेत्र



Appendix- XXXVI

संख्याः – 24(8)/स.ई. / कु.के.च.मं. / 2019/143

दिनांक :-30.07.2019.

सेवा मे,

Prof. Incharge, Estate & Construction, एन.आई.टी. कुरुक्षेत्र. Diary No. 1084.

विषय:-

Renovation of Senate hall at NIT, Kurukshetra

The detailed estimate for the above cited work amounting to Rs 58,37,400/- was sent to your office for obtaining the necessary A/A & E/S vide division office letter no 20(NIT)/PB/KCD/2018/532 dated 18.02.2019 which was prepared on the basis of the requirements discussed at site with your department. But during the meeting which was held on dated 25.07.2019 in the presence of Honourable Director (NIT) & Superintending Engineer (CPWD) it was intimated by the Director NIT that Honourable Vice President will be visiting at NIT Kurukshetra in November 2019, hence this work is to be completed before November 2019. In addition to this it was also decided that the work shall be executed in two phases and the estimate will be modified as per the modern specifications which shall be conveyed to CPWD by your office. Hence you are requested to kindly provide the detailed specifications and scope of work so that the detailed estimate can be modified accordingly at the earliest.

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

प्रतिलिपी:-

- अधीक्षण अभियन्ता, चण्डीगढ केन्द्रीय परि—मडल, केन्द्रीय लोक निर्माण विभाग को सुचनार्थ।
- कार्यपालक अभियन्ता करनाल केन्द्रीय मण्डल के.लो.नि.वि करनाल को सुचनार्थ।

सहायक अभियन्ता

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

Diary No. 1965.

Dated. 4/9/19

कार्यपालक अभियंता (वै०) करनाल केन्द्रीय वैद्युत मंडल केन्द्रीय लोक निर्माण विभाग, 208—डी,एच.एस.आई.आई.डी.सी, सैक्टर—3,करनाल Email-cpwdknl@hotmall.com Ph.0184-2220460



Executive Engineer (E)
Karnal Central Elect. Division
Central Public Works Department,
Karnal-132001

Email- eekced.knl.cpwd@nic.in Ph.0184-2220460

संख्या : 20(7) / क0के0वै0मं० / 2019 / 1 4 2 4

दिनांकः 03 09 201

सेवा में.

प्रोफेसर इनचार्ज (E&C), राष्ट्रीय प्राद्यौगिकी संस्थान, कुरूक्षेत्र— 136118

विषय:- प्रारम्भिक अनुमान।

कार्य का नाम: Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Air-conditioning system & LED fixtures etc.)

महोदय.

उपरोक्त कार्य का प्रारम्भिक अनुमान रूपये 91,11,756 / — सक्षम अधिकारी द्वारा प्रशासनिक अनुमोदन एवं व्यय स्वीकृति जारी करने हेतु आपके कार्यालय में प्रेषित किया जाता है। अनुमान की आवश्यकता का विवरण अनुमान की रिपोंट में दिया गया है। आपसे अनुरोध है कि कृपया प्रशासनिक अनुमोदन एवं व्यय स्वीकृति शीघ्र से शीघ्र प्रदान कराकर इस कार्यालय को फण्डस उपलब्ध कराने की कृपा करें ताकि उपरोक्त कार्य को कराया जा सके।

संलग्नः प्रारम्भिक अनुमान।

कार्यपालक अभियन्ता (वै०), करनाल केंद्रीय वैद्युत मंडल, केंग्लो०नि०वि०, करनाल।

प्रतिलिपि :- सहायक अभियंता (वै0), कुरूक्षेत्र केन्द्रीय वैद्युत उपमंडल, के0लो0नि0वि0, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता(वै०)

GOVT. OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: E&M Division: KCED, Karnal Sub-Division: NIT KCESD

Name of Work:- Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Air-conditioning system & LED fixtures etc.)

The Preliminary estimate is framed Assistant Engineer (E), NITKCESD, Kurukshetra & processed in the office of Executive Engineer (E), KCED, Karnal for the probable cost of Rs. 9111756/-i/c contingencies.

REPORT

<u>History:</u> This Preliminary Estimate amounting to Rs. 9111756/- i/c contingencies has been framed to cover the probable cost of above noted work & is meant for accord of administrative approval and expenditure sanction of the competent authority. The estimate has been prepared as per discussions held in the meeting with the NIT authorities on 01/08/2019 & 13/08/2019.

DESIGN & SCOPE: - The following provisions have been kept in this estimate:-

- 1. Delegate / Chairman Unit.
- 2. Central control Unit.
- 3. Hand held cordless mike.
- 4. Lapel cordless mike.
- 5. Column Speakers.
- 6. Digital Podium.
- 7. 4 Channel Amplifier.
- 8. 5000 lm laser projector.
- 9. Switcher, distribution amplifier, transmitter/receiver.
- 10. 82" LED display.
- 11. Customized rock with necessary cabling etc.
- 12. 54 HPV VRV Air conditioning systems complete with indoor, outdoor units, necessary piping & cabling etc.
- 13. Smart lighting comprising of LED fixtures with dimming option & lighting control system.
- 14. Energy Saving fans.
- 15. Replacement of old wiring, Switches & MCBDB-etc.

Method:

Through Contract.

Rates:

PAR 2019/Market Rates.

Time:

06 Months.

Cost:

Rs. 9111756/- i/c contingencies.

AFTE

Executive Engineer (E)

Karnal Central Electrical Division

CPWD, Karnal

Sept.

PRELIMINARY ESTIMATE

Na...e of Work: Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Airconditioning system & LED fixtures etc.)

S.No.	Description of Item	Qty.		Rate	Unit	Amount	
	SUB HEAD-I (Audio Visual System)		-			 	
1	Supplying, Installation, Testing & Commissioning of Digital wireless Delegate/Chairman Units complete as required.		Nos	60000.00	each	420000.00	
2	Supplying, Installation, Testing and Commissioning of Digital wireless Central control unit complete as required.	1	No.	250000.00	each	250000.00	
3	Supplying, Installation, Testing and Commissioning of Hand held wireless mike complete as required.	6	No.	45000.00	each	270000.00	
4	Supplying, Installation, Testing and Commissioning of Lapel cordless mike complete as required.	2	Nos	45000.00	each	90000.00	
5	Supplying, Installation, Testing and Commissioning of column Speakers with Constant Beam width technology with high power LF drivers complete as required.	4	Nos	85000.00	each	340000.00	
6	Supplying, Installation, Testing and Commissioning of free Standing / floor mounted type digital podium with built in interactive capacitive touch monitor complete with HDMI & VGA inputs at top complete as required	1	No	300000.00	each	300000.00	
7	Supplying, Installation, Testing and Commissioning of 4 channel, 600W per output Channel Amplifier complete as required.	1	No	150000.00	each	150000.00	
3	Supplying, Installation, Testing and Commissioning of 5000 lm, WUXGA, LCD Laser Projector complete with lifting arrangement complete as required.	1	No	350000.00	each	350000.00	
)	Supplying, Installation, Testing and Commissioning of 3X1 Switcher with two HDMI input and one VGA input complete as required.	1	No	50000.00	each	50000.00	
0	Supplying, Installation, Testing and Commissioning of 1X4 HDMI distribution amplifier complete as required.	1	No.	50000.00	each	50000.00	
	Supplying, Installation, Testing and Commissioning of Transmitter / Receiver etc. complete as required.	3	Sets	40000.00	Set	120000.00	
	Supplying, Installation, Testing and Commissioning of 82" 4K LED display complete as required.	2	Nos	550000.00	each	1100000.00	
	Supplying, Installation, Testing and Commissioning of customized Rack with neccessory cabling etc. as required.	1	Job	100000.00	Job	100000.00	
	Total Sub Head -I			- 		3590000.00	

S.No.	Description of Item	Qty.	<u> </u>	Rate	Unit	Amount
1 -	SUB HEAD-II (VRV Airconditioning System) Supplying, Installation, Testing and Commissioning of VRV/VRF System including indoor /outdoor units, piping, electrical power distribution/wiring, electrical panel, treated fresh air system.	54	HP	55000.00	HP	2970000.00
 			1111	33000.00	, ne	2970000.00
2	Supplying, & laying of LT Cable i/c connections, testing etc complete as required.	1	Job	100000.00	Job	100000.00
	Total Sub Head -II	·				3070000.00
	SUB HEAD-III (Wiring & LED fixtures)				<u></u>	· · · · · · · · · · · · · · · · · · ·
1	Supplying, Installation, Testing and Commissioning of 300mm X 300mm Surface type LED fixtures with CCT of 4000K complete as required.	60	Nos	3500.00	each	210000.00
2	Supplying, Installation, Testing and Commissioning of Recess type Dali Dimmable LED fixtures of 24/32W complete with controller & other accessories complete as required.	95	Nos	11000.00	Each	1045000.00
3	Supplying, Installation, Testing and Commissioning of Energy saving fans complete as required.	15	Nos	2000.00	Each	30000.00
4	Replacement of old wiring, Switches, MCBDB etc complete as required.	1	Job	300000.00	Job	300000.00
	Total Sub Head -III					1585000.00
	Grand Total (I + II + III)		· ·			8245000.00
	Add Labour Cess @1%				·	82450
	Add EPF & ESCI @4.25%					350412.50
	Total				:	8677862.50
	Add 5 % Contingencies					433893.125
	Total					9111755.63
	Say Rs.					9111756.00

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No. /CC/3550/553/532)

Dated - 06.09.2019

To

The Executive Engineer (Elect) CPWD, 208-D, HSIIDC, Sector-3

Karnal-132001

Subject:

Renovation of Senate hall at NIT Kurukshetra. (SH:- Providing Audio

/ Visual System, VRV Air-Conditionings System & LED fixtures etc.)

Reference:

Your office letter No. 20(7)/KCED/2019/1424 dated 03.09.2019

In continuation to letter under reference regarding the preliminary estimate of above work, the following points were not included in the estimate,

1. LAN points for the tables.

2. CCTV at entrance & inside of the Senate hall.

3. UPS backup for Audio & Visual System.

The same has been discussed in the meeting held on 13.08.2019. You are requested to add the above points and submit the estimate to this office.

This is for your information & necessary action.

Prof. I/C (Estate & Construction

Copy to:

1. A.E. (Electrical)

2. Faculty I/C (EM &T)

3. Dean (P&D) for kind information please

4. A.E. (Electrical), CPWD, NIT Camp Office





GOVERNMENT OF INDIA केन्द्रीय लोक निर्माण विभाग

Diary No.1296.

ESTATE SECTION

CENTRAL PUBLIC WORKS DEPARTMENT



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

दूरभाष : 0184-2250690 फैक्स : 0184-2250660

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्याः- 20(NIT)/यो.शा./क.के.मं/2019/ ५५५ २

सेवा में.

विषय :

संदर्भ :

Meeting held on dated 25.07.2019 in the presence of the Prof-In-charge.

महोदय.

का modified प्रारम्भिक प्राक्कलन जिसकी लागत Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) है आपके कार्यालय से प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतू संलग्न है।

कार्य की आवश्यकता और अनुमान के प्रावधानों को हिश्ट्री शीट 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।

संलग्न :

उपरोक्त दो प्रतियों में।

(इंजी. प्रशांत अग्रवाल)

कार्यपालक अभियन्ता

करनाल केन्द्रीय मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

प्रतिलिपि:-

1. सहायक अभियंता, कुरूक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० २4(८)/स.ई.कु./२०१९/१५५ दिनांक २०.०८.२०१९ एवं १६१ दिनांक ३१.०८. 2019 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता

GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R Division: KCD
Sub-Division: KCSD

NAME OF WORK:

Renovation of senate hall at NIT, Kurukshetra.

MAJOR HEAD	MINOR HEAD	DETAIL HEAD
MAYON HEAD		

This modified preliminary estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Central Sub Division and further processed in Karnal Central Division, CPWD, Karnal for the probable cost of Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) i/c contingencies.

. ISEES

History:

This modified preliminary estimate amounting to Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) i/c 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 earlier preliminary detailed estimate was sent to dient department vide this office letter no. 20(NIT)/PB/KCD/2018/532 dated 18.02.2019 amounting to Rs. 58,37,400/- but the client department during the meeting held on dated 25.07.2019 in the presence of the Prof-In-charge and in charge of senate hall has asked to modify the estimate by incorporating some items & deleting items such as providing and fixing Auditorium chairs and their fixing as the same are to be changed by the NIT authorities as per their requirement. Hence the necessary modification has been made in this estimate according to requirement and during detailed discussion held in the meeting. However no fresh requisition has been received and the modification are done on the basis of decision taken in the meeting. The Annexure-I contains the internal work of senate hall auditorium along with the renovation of toilet blocks & Annexure-II contains the work for uplift of the entrance of the senate hall building. It was decided in the meeting to submit the estimate same in two annexures keeping internal work and external work items separately. Hence this modified detailed preliminary estimate has been framed for obtaining A/A & E/S from the competent authority.

Design & Scope:

The following provisions have been made in this estimate: -

- 1. Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.
- 2. Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede.
- 3. Providing and laying Polished Granite stone flooring in required design and patterns.
- 4. Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections.
- 5. Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module.
- 6. Providing and applying white cement based putty of average thickness 1 mm.
- 7. Providing and fixing pile carpet tiles of size 500 x 500 mm with 100% solution dyed nylon yarn type BCF (pile weight shall be 750gms/sqm & number of tufts 232260/sqm.
- Providing and fixing gyptech wood perforated panels of width 128mm, thickness of 15mm and length of 2440mm.
- Providing and fixing 18mm thick granite stone work including dado, skirting, risers of steps etc.
- 10. Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.
- 11. Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment.
- 12. Providing and fixing stainless steel (Grade 304) cladding work on R.C.C. columns made of stainless steel sheet 1.47 mm thick.

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Sp _ification:

Work shall be carried out as per CPWD Specification 2009 vol.I & II with up to date correction

slip shall be followed.

T & P:

Shall be arranged by the contractor.

WC Establishment:

Shall be met out of contingencies.

Land:

Available with client department.

Rate:

As per DSR - 2018 rates.

Method:

Through contract after call of tender.

Time:

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 97,70,900/-

(Rs. 66,93,787/- Annexure-A) (Rs. 30,77,130/- Annexure-B)

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.

Assistant Engineer (P)
Karnal Central Division
CPWD, Karnal

Executive Engineer Karnal Central Division CPWD, Karnal

Abstract of Cost-Detailed Estimate

Name of work :- Renovation of senate hall at NIT, Kurukshetra.

Sr. No.	Name of Work	Amount Civil Work	Remarks
1	Renovation of senate hall at NIT, Kurukshetra. SH: Internal work of senate hall auditorium along with the renovation of toilet blocks.	6693787.00	Amount as per Annexure-I
2	Renovation of senate hall at NIT, Kurukshetra SH: uplift of the entrance of the senate hall building.	3077130.00	Amount as per Annexure-II
	Total	9770917.00	
	Say Rs.	97,70,900/-	

Assistant Engineer (P)

Karnal Central Division

CPWD, Karnal

Executive Engineer

Karnal Central Division

CPWD, Karnal

,	Original Estimate					
Name	of Work	Renovation of senate hall at NIT, Kuruksh	etra.			
<u> </u>	(ixenovation of senate nail at 1411; Ixel unsil				
SL.	DSR No.	Description	Qty	Unit	Rate	Amount
No.		20001.p.1011			Rate	Amount
1	4	CONCRETE WORK		-		
1.1	4.1	Providing and laying in position cement concrete of	-		 	
		specified grade excluding the cost of centering and	1			
		shuttering - All work up to plinth level :				
1.1.1	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).	16	cum	5520.30	88325.00
2	5	REINFORCED CEMENT CONCRETE		- Cuiii	3320.30	00323.00
2.1	5.3	Reinforced cement concrete work in beams,	_	<u> </u>	-	
	0.0	suspended floors, roofs having slope up to 15°				
1	•	landings, balconies, shelves, chajjas, lintels, bands, plain				
		window sills, staircases and spiral stair cases above plinth				
		level up to floor five level, excluding the cost of				
		centering, shuttering, finishing and reinforcement, with				
		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).				
1	į		0.5	cum	9763.80	4882.00
2.2	5.9	Centering and shuttering including strutting, propping			0,00.00	
		etc. and removal of form for				
2.2.1	5.9.4	Shelves (Cast in situ)	8	sqm	693.05	5544.00
2.3		Steel reinforcement for R.C.C. work including				
		straightening, cutting, bending, placing in position and				
		binding all complete above plinth level.				
2.3.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or		-		-
		more.	60	kg	83.50	5010.00
3		CLADDING WORK				
3.1		Providing and fixing 18 mm thick gang saw cut, mirror	·			
		polished, premoulded and prepolished, machine cut for				
}		kitchen platforms, vanity counters, window sills, facias	:		1	
		and similar locations of required size, approved shade,			İ	
]	colour and texture laid over 20 mm thick base cement				
	ļ	mortar 1:4 (1 cement : 4 coarse sand), joints treated				
	,	with white cement, mixed with matching pigment, epoxy	ļ			
	1	ouch ups, including rubbing, curing, moulding and			,	
	ļ	polishing to edges to give high gloss finish etc. complete				
	ā	at all levels.				
3.1.1		Granite of any colour and shade				
1.1.1		Area of slab over 0.50 sqm	7	sqm	4007.65	28054.00
3.2	1	xtra for providing opening of required size & shape for				
		vash basin/ kitchen sink in kitchen platform, vanity				
		ounter and similar location in marble/ Granite/ stone				
	[vork, including necessary holes for pillar taps etc.				
	i	ncluding moulding, rubbing and polishing of cut edges	:		1	
	i	tc. complete.	8	each	734.55	5876.00

		• .					
	4.1	9.103	Providing and fixing bright finished brass 100 mm				
	``,	<u> </u>	mortice latch and lock, ISI marked, with six levers and a	3			
- 1	· •	<u>{</u>	pair of anodised (anodic coating not less than grade AC		1		
	,	ı	10 as per IS: 1868) aluminium lever handles of approved	1			
			quality with necessary screws etc. complete.	2	each	748.65	1497.00
1	4.2	9.127	Providing & Fixing decorative high pressure laminated			1 10100	1 101.00
1			sheet of plain / wood grain in gloss / matt/ suede finish	1			
			with high density protective surface layer and reverse	1			
-			side of adhesive bonding quality conforming to IS: 2046	1			
-			Type S, including cost of adhesive of approved quality.				
			rype 3, including cost of adhesive of approved quality.				
T	4.2.1	9.127.1	1.5 mm thick	165	sqm	842.75	139054.00
T	5	11	FLOORING		-		
r	5.1	11.39	Providing and laying rectified Glazed Ceramic floor tiles			-	
1			of size 300x300 mm or more (thickness to be specified	1	-		
		ļ	by the manufacturer), of 1st quality conforming to IS:	1			
			15622, of approved make, in colours White, Ivory, Grey,	[
-	ļ		Fume Red Brown, laid on 20 mm thick cement mortar	I			
1			1:4 (1 Cement: 4 Coarse sand), jointing with grey cement				
ı	ļ		slurry @ 3.3 kg/ sqm including grouting the joints with				
	1						
	_		white cement and matching pigments etc., complete.	F 2		1000 10	5,5507.00
1		(11.50)	Deside and being Deliched Control of the design of	52	sqm	1088.40	56597.00
K	5.2	(11.56)	Providing and laying Polished Granite stone flooring in				
1			required design and patterns, in linear as well as				
			curvilinear portions of the building all complete as per				
	1		the architectural drawings with 18 mm thick stone slab				
l		4	over 20 mm (average) thick base of cement mortar 1:4	•			
	į		(1 cement : 4 coarse sand) laid and jointed with cement				
			slurry and pointing with white cement slurry admixed		,	العليه	. .
l			with pigment of matching shade including rubbing ,	:		1/1/10	V scal.
	1		curing and polishing etc. all complete as specified and as		-	M. P.	0/
	.]		directed by the Engineer-in-Charge.			,\	1
_	$\overline{}$	\sim				15 2 12	
	5.2.1	(11.56.1)	Polished Granite stone slab jet Black, Cherry Red, Elite				
			Brown, Cat Eye or equivalent.	(310)	sgm)	3526.60	1093246.00
-	6	12	ROOFING				
	6.1		Providing and fixing false ceiling at all height including				
		1	providing and fixing of frame work made of special				
		ı	sections, power pressed from M.S. sheets and galvanized				
		i	with zinc coating of 120 gms/sqm (both side inclusive) as				İ
			per IS: 277 and consisting of angle cleats of size 25 mm				
		i	wide x 1.6 mm thick with flanges of 27 mm and 37mm,				
	İ	1	at 1200 mm centre to centre, one flange fixed to the	1			
		1	ceiling with dash fastener 12.5 mm dia x 50mm long with		1		1
			, -	:	-		
		1	6mm dia bolts, other flange of cleat fixed to the angle				
		1	hangers of 25x10x0.50 mm of required length with nuts				
		1	& bolts of required size and other end of angle hanger				·
			fixed with intermediate G.I. channels 45x15x0.9 mm				
			running at the spacing of 1200 mm centre to centre, to	,			
		. 1	which the ceiling section 0.5 mm thick bottom wedge of				
		1	80 mm with tapered flanges of 26 mm each having lips of				
		1	10.5 mm, at 450 mm centre to centre, shall be fixed in a				
		<u> </u>	direction nernandicular to				

		of 2.64 mm dia x 230 mm long G.I. wire at ever junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 2 mm at 230 mm c/c, including jointing and finishing to flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:	ry m m h m g rr 5 a d , g f s g e l f			
6.1.1	12.45.3	12.5 mm thick tapered edge gypsum moisture resistant		sam	1286 20	418015.00
6.2	12.54	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring T with:		sqm	1286.20	418015.00
6.2.1	12.54.1	GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	52	sqm	1734.10	90173.00
7	13	FINISHING		24		23273.00
7.1	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: $-203-$				
7.1.1	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cemen Page of 11	125	sqm	153.45	19181.00

		average thickness 1 mm, of approved brand and				
:	Ċ	manufacturer, over the plastered wall surface to prepare	840	sgm	115.15	96726.00
7.3	13.83	the surface even and smooth complete. Wall painting with premium acrylic emulsion paint of		Sqiii	113.13	96726.00
/ /	13.03	interior grade, having VOC (Volatile Organic Compound)				
ł		content less than 50 grams/ litre of approved brand and				
		manufacture, including applying additional coats				
ł		wherever required to achieve even shade and colour.				
-		wherever required to achieve even shade and colour.	•			
7.3.			840	sqm	113.90	95676.00
7.4	13.85	Applying priming coats with primer of approved brand				
		and manufacture, having low VOC (Volatile Organic				
		Compound) content.				
7.4.1	13.85.3	,				
<u> </u>		having VOC content less than 50 grams/litre	840	sqm	60.00	50400.00
7.5	13.91	Removing dry or oil bound distemper, water proofing				
		cement paint and the like by scrapping, sand papering	4.			
1		and preparing the surface smooth including necessary				
		repairs to scratches etc. complete.				
<u> </u>			965	sqm	18.25	17611.00
7.6	13.99	Painting with synthetic enamel paint of approved brand				
1		and manufacture of required colour to give an even				
		shade:			·	
7.6.1	- -	One or more coats on old work	250	sqm	79.95	19988.00
7.7	13.103	French spirit polishing :				
7.7.1		One or more coats on old work	28	sqm	176.85	4952.00
8	14	REPAIRS TO BUILDING				
8.1	14.85	Taking out existing wooden door shutter, repair by				
		cutting, painting etc. and refixing of repaired door				
ĺ		shutters to existing door frames, including replacement		1		
		of hinges with screws, etc. as required, all complete as		.		
		per the direction of the Engineer-in-charge.	*			4470.00
<u> </u>	45	DICAMANTI INC. AND DEAMONICHING	14	each	297.85	4170.00
9.1	15 15.2	DISMANTLING AND DEMOLISHING				
9.1	15.2	Demolishing cement concrete manually/ by mechanical				
l		means including disposal of material within 50 metres				
ŀ		lead as per direction of Engineer - in - charge.				
9.1.1	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent				
3.1.1	13.2.2	design mix)	16	cum	1072.80	17165.00
9.2	15.12	Dismantling doors, windows and clerestory windows	10	Cum	1072.00	17103.00
J.2	15.12	(steel or wood) shutter including chowkhats, architrave,				
		holdfasts etc. complete and stacking within 50 metres				
		lead :				
9.2.1	15.12.1	Of area 3 sq. metres and below	2	each	274.50	549.00
9.2.2	15.12.2	Of area beyond 3 sq. metres	1	each	375.65	376.00
9.3	15.23	Dismantling tile work in floors and roofs laid in cement	:			
		mortar including stacking material within 50 metres lead.				
9.3.1	15.23.1	For thickness of tiles 10 mm to 25 mm	52	sqm	54.85	2852.00
9.4	15.39	Dismantling wooden boardings in lining of walls and				
		partitions, excluding supporting members but including				
		stacking within 50 metres lead : — 264 –				
9.4.1	15.39.2	Thickness above 10 mm up to 25 mm Page 4 of 11	65	sqm	57.30	3725.00

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		or partition walls including stacking of serviceable materials and disposal of unserviceable materials within	1			
()	·/	50 metres lead.	325	sqm	42.00	13650.00
9.6	15.44	Dismantling G.I. pipes (external work) including	1	1		
		excavation and refilling trenches after taking out the	1			
1		pipes, manually/ by mechanical means including stacking	į.			
		of pipes within 50 metres lead as per direction of				
	1	Engineer-in-charge :				
9.6.1		15 mm to 40 mm nominal bore	70	metre	108.15	7571.00
9.7	15.45	Dismantling C.I. pipes including excavation and refilling				
		trenches after taking out the pipes, manually/ by	*			
	1	mechanical means breaking lead caulked joints, melting				
1		of lead and making into blocks including stacking of pipes				
1		& lead at site within 50 metre lead as per direction of				
ŀ		Engineer-in-charge:				
9.7.1	15.45.1	Up to 150 mm diameter	95	metre	299.05	28410.00
9.8	15.52	Dismantling of flushing cistern of all types				
		(C.I./PVC/Vitrious China) including stacking of useful		İ		
1		materials near the site and disposal of unserviceable				
		materials within 50 metres lead.	10	each	668.15	6682.00
9.9	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.				
			270	sqm	39.00	10530.00
10	17	SANITARY INSTALLATIONS				
10.1	17.1	Providing and fixing water closet squatting pan (Indian				
1		type W.C. pan) with 100 mm sand cast Iron P or S trap,		,		
İ		10 litre low level white P.V.C. flushing cistern, including				
		flush pipe, with manually controlled device (handle				
		lever) conforming to IS: 7231, with all fittings and		1	İ	
	:	fixtures complete, including cutting and making good the				
		walls and floors wherever required:				
10.1.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size				
10.1.1	17.1.1	580x440 mm with integral type foot rests	4	each	5421.50	21686.00
10.2	17.3	Providing and fixing white vitreous china pedestal type	-	cacii	3421.30	21000.00
10.2	17.5	water closet (European type) with seat and lid, 10 litre	İ			
		low level white vitreous china flushing cistern & C.P.				
		flush bend with fittings & C.I. brackets, 40 mm flush		1		
		bend, overflow arrangement with specials of standard	:			
		make and mosquito proof coupling of approved		1		
		municipal design complete, including painting of fittings				
		and brackets, cutting and making good the walls and				
		floors wherever required :				1
10.2.1	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid				
			4	each	6685.00	26740.00

		stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size				
	(C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS: 2556, C.I.	1	-		
		trap with outlet grating and other couplings in C.P. brass,	1	. '		
i		including painting of fittings and cutting and making	1			
-		good the walls and floors wherever required :				
		good the wans and hoors wherever required .				
10.3.	1 17.5.1	Single half stall urinal with 5 litre P.V.C. automatic				
		flushing cistern	2	each	9360.60	18721.00
10.4	17.16A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible				
1		tube upto 1 metre long with S.S. triangular plate to				
-		Eureopean type W.C. of quality and make as approved by		1		
		Engineer - in - charge.	4	each	297.55	1190.00
10.5	17.31	Providing and fixing 600x450 mm beveled edge mirror of				
		superior glass (of approved quality) complete with 6 mm				
	}	thick hard board ground fixed to wooden cleats with C.P.				
1		brass screws and washers complete.		1		
<u> </u>			8	each	1283.05	10264.00
10.6	17.34	Providing and fixing toilet paper holder :				
10.6.1	17.34.1	C.P. brass	4	each	583.75	2335.00
10.7	17.35	Providing and fixing soil, waste and vent pipes :				
10.7.1	17.35.1	100 mm dia				
10.7.1.	1 17.35.1.2					
		as per IS: 3989	70	metre	1092.20	76454.00
10.7.2	 	75 mm diameter :				
10,7.2.	1 17.35.2.2	Centrifugally cast (spun) iron socketed pipe as per IS:				
		3989	55	metre	992.05	54563.00
10.8	17.43	Providing and fixing single equal plain junction of				
		required degree with access door, insertion rubber				
1001	17.42.4	washer 3 mm thick, bolts and nuts complete.				
10.8.1		100x100x100 mm	10	22.ah	722.55	7226.00
10.8.1.1		Sand cast iron S&S as per IS - 3989 75x75x75 mm	10	each	722.55	7226.00
10.8.2	 	Sand cast iron S&S as per IS - 3989	8	each	549.35	4395.00
10.8.2.1			0	each	549.35	4395.00
10.9	17.56 17.56.1	Providing and fixing terminal guard : 100 mm		-	<u>'</u>	
10.9.1 10.9.1.1	 	Sand cast iron S&S as per IS - 3989	5	each	389.40	1947.00
10.9.1.1	17.56.1.2 17.56.2	75 mm		eacii	369.40	1947.00
10.9.2.1		Sand cast iron S&S as per IS - 3989	4	each	309.85	1239.00
10.9.2.1	17.57	Providing and fixing collar :		eacii	303.83	1239.00
10.10.1		100 mm				
0.10.1		Sand cast iron S&S as per IS - 3989	11	each	409.45	4504.00
10.10.2		75 mm		Cucii	403.43	4304.00
0.10.2		Sand cast iron S&S as per IS - 3989	12	each	256.30	3076.00
10.11	17.58	Providing lead caulked joints to sand cast			230.30	3070.00
10.11		iron/centrifugally cast (spun) iron pipes and fittings of	ĺ			İ
		diameter:		İ		
10.11.1	17.58.1	100 mm	89	each	481.45	42849.00
10.11.2		75 mm	48	each	407.90	19579.00
10.12		Providing and fixing M.S. stays and clamps for sand cast				
		iron/ centrifugally cast (spun) iron pipes of diameter:				
		-206-				
10.12.1	17.59.1	100 mm	5	each	126.50	633.00
		Page 6 of 11				

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10.13	3 17.6	Providing and fixing trap of self cleansing design with	n e			
, ,	<i>ر</i> ا.	screwed down or hinged grating with or without ven-	:			
}	C'	arm complete, including cost of cutting and making good	l]		
		the walls and floors :				
10.13.	1 17.60.1	100 mm inlet and 100 mm outlet				
10.13.1	17.60.1.	Sand cast iron S&S as per IS: 3989	2	each	1512.55	3025.00
10.13.	2 17.60.2	100 mm inlet and 75 mm outlet				
10.13.2	17.60.2.	Sand cast iron S&S as per IS - 3989	16	each	1579.45	25271.00
10.14	17.77	Providing and fixing M.S. holder bat clamp of approved				
1		design to sand cast iron/ cast iron (spun) pipes	İ			
		comprising of M.S. flat brackets made of 50x5 mm flat of				
1		specified shape, projecting 75 mm outside the wall				
		surface and fixed on wall with 4nos, 6mm dia expansion	:			
		hold fasteners, including drilling necessary holes in brick				
		wall/ CC/ RCC surface and the cost of bolts etc. The pipes				
1		shall be fixed to the already fixed brackets with the help				
		of 30 mm x1.6 mm galvanised M.S. flats of specified				
		shape and of total length 420 mm and shall be fixed with				
1	,	M.S. nuts, bolts, & washers of size 25x6 mm, one bolts				
1		on each side of the pipe.				
1						
10.14.1	17.77.1	Total bracket length 580 mm of approved shape and				
		design (for single 100 mm dia pipe)	72	each	247.80	17842.00
11	18	WATER SUPPLY				
11.1	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 :	:			
11.1.1	18.10.3	25 mm dia nominal bore	30	metre	438.00	13140.00
11.2	18.11	Providing and fixing G.I. Pipes complete with G.I. fittings				
		and clamps, i/c making good the walls etc. concealed				
		pipe, including painting with anti corrosive bitumastic				
		paint, cutting chases and making good the wall:				
11.2.1	18.11.2	20 mm dia nominal bore	66	metre	494.10	32611.00
11.3	. 18.17	Providing and fixing gun metal gate valve with C.I. wheel	İ			
		of approved quality (screwed end) :				
11.3.1	18.17.1	25 mm nominal bore	2	each	497.15	994.00
11.4	18.21	Providing and fixing uplasticised PVC connection pipe				
		with brass unions :				
11.4.1	18.21.1	30 cm length				
11.4.1.1	18.21.1.1	15 mm nominal bore	22	each	72.85	1603.00
11.5	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):				
11.5.1	18.46.3	25 mm nominal bore	2	each	340.10	680.00
11.6	18.49	Providing and fixing C.P. brass bib cock of approved				
		quality conforming to IS:8931 :				
11.6.1		15 mm nominal bore	8	each	418.95	3352.00
11.7	18.52	Providing and fixing C.P. brass stop cock (concealed) of				
	•	standard design and of approved make conforming to				
		IS:8931.				
11.7.1	18.52.1	15 mm nominal bore —207 –	8	each	606.25	4850.00

	·	and geyser points of approved quality conforming to				
."		IS:8931 .				
11.8	.1 18.53.1	15mm nominal bore	18	each	532.00	9576.00
12	21	ALUMINIUM WORK				
12.	1 21.1	Providing and fixing aluminium work for doors, windows,			1	
		ventilators and partitions with extruded built up				
		standard tubular sections/ appropriate Z sections and	<u> </u>		j	
1		other sections of approved make conforming to IS: 733				
1		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				
1		EPDM rubber/ neoprene gasket etc. Aluminium sections				
1		shall be smooth, rust free, straight, mitred and jointed				
i		mechanically wherever required including cleat angle,				
	•	Aluminium snap beading for glazing / paneling, C.P. brass				
1.		/ stainless steel screws, all complete as per architectural				
		drawings and the directions of Engineer-in-charge.				
1		(Glazing, paneling and dash fasteners to be paid for				
1		separately):				
12.1.	21.1.1	For fixed portion				
12.1.1	-	Powder coated aluminium (minimum thickness of				
		powder coating 50 micron)	16	kg	456.30	7301.00
12.2	21.12	Providing and fixing aluminium tubular handle bar 32			100.00	
		mm outer dia, 3.0 mm thick & 2100 mm long with SS		}		
		screws etc .complete as per direction of Engineer-in-				
		Charge.				
12.2.1	21.12.2	Powder coated minimum thickness 50 micron aluminium				
		tubular handle bar	4	each	562.60	2250.00
12.3	21.18	Providing and fixing 12 mm thick frameless toughened				
		glass door shutter of approved brand and manufacture,				
		including providing and fixing top & bottom pivot &				
ŀ		double acting hydraulic floor spring type fixing				
1		arrangement and making necessary holes etc. for fixing	,	ĺ		
		required door fittings, all complete as per direction of		İ		
		Engineer-in-charge (Door handle, lock and stopper etc.to				.====
		be paid separately).	4	sqm	4447.90	17792.00
13	22	WATER PROOFING				
13.1	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				İ
		@ 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				
	į	@ 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				
	1	hours. The rate includes preparation of surface,				
	, ·	treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.				
		pipes and masonity with polymer mixed stuffy.				
		-208-	-			
		~~~	84	sqm	465.60	39110.00
		Page 8 of 11	-	-4	.55.55	55210.00

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_		,	mmwith 100% solution dyed nylon yarn type BCF (pile	2			
-	1 ;	ا.	weight shall be 750gms/sqm & number of tufts	s	İ		
		(	232260/sqm at tufting guage 1/12"). The primary	,			
		ſ	backing shall be Non-woven, secondary backing stable				
	ĺ		sheild - 100% vinyl, optional backing recova-PU cushion				
i			eco sheild 100% recycled vinyl. The height of pile shall be				
ł			3.5mm/5.0 mm with total height 7.00 mm & pile shall be	1			
			treated with invista anti-soil treatment.Recommended	1			
			Monolithic or Quarter Turn, VOC EMMISION ASTM				
			D5116-06 >0.5 mg/m2/hour, Flammibility ASTM D-				
			2859//FF 1-70//16CFR 1630 Pass 8/8, Critical Radiant	1			
1			Flux ASTM E648-08 Class 1, Static Propensity ISO 6356	ľ			
			0.2 kV, Colour Fastness AATCC/16 5/5 on Grey Scale,	1			
1			Thermal Resistance ISO 8302 .04m ² K/W, Impact Sound	1			
			Insulation ISO 140-8 ALW 23dB, Sound Absorption Level	i			
1			EN ISO 11654 aw: 0.15(H), Soiling Propensity ASTM D				•
			6540-00 4, Dimensional Stability EN 986 < 0.20%, Castor				
1			Chair Test DIN 54324 R ≥ 2.4, Smoke Density EN ISO 9239				
1			1:2002 < 450, BREEAM Yes, CRI Green Label Plus				
			approved. Leed Certified.				
l							
		1		306	Sqm	3656.55	1118904.00
r	14.2	MR	Providing and fixing gyptech wood perforated panels of				
			width 128mm, thickness of 15mm and length of				
l			2440mm or as required by architect/approving engineer,				
l			made of a medium density fibre board sibstrate with				
			laminated facing as per the approved shade/species and				
			finish and a melamine balancing layer over the reverse				
			side. the board shall have a special perforated pattern				
			where the visible surface has a ("helmholtz" fluted	•			
			perforation of 2 mm width and 14 mm of visible				
l			panel/4mm width and 28mm visible panel)				
			each.Installation of wooden battens/GI section 50x50				
			mm or as approved by architect on the solid wall				
			horizontally suing screws and plugs on spacing on				
			600mm centre to centre. Screw the aluminium extruded				
			keel provided by gyptech over the lowest second				
			wooden batten at centre to centre distance of 600mm.				
			Installation of first set of wooden panels by inserting the				
			clip for border and insert the groove of panel into				
			projecting flange of aluminium clip & continue installing				
			rows of panels be inserting the tongue into the groove of				
			earlier inserted panel and progressively installing clips				
			for inside into the next keel till the actual height is	-			
			achieved. Use clips for the border to finish off the				
			installation. Finish off the edges using wooden moulding	140	Sqm	5650.00	791000.00
•	14.3	MR	Providing & Fixing 06mm thick water proof ply wood	-			:
			conforming to IS-710 alongwith reverse side of adhesive				
			bonding quality conforming to IS : 2046 Type S, including				
			sect of adhesive of approved quality				
			cost of auriesive of approved quanty. — 209 ~	165	Sqm	840.75	138724.00
_							

		• [	door confirming to BIS:476 Part 20 & 22 and IS 3614 fo	r			
	3,		part 1 & 2 for stability, integrity and thermal insulation 03	3			
	l	(	criteria wooden door with following specification	:			
	(		Recommended fire door shall have fire door tested 2	2			
			hours fully insulated 120 minute wooden fire door	r			
	1		maximum thickness of 70mm, Comprising of 140x70mm	1			
			hardwood internal timber frame work with infill of	1			
			35mm thickness of 24kg/cum ceramic fibre blanker		1		
			coated with coating on both side for insulation . The	1 .	-		
		ļ	Coated insulation shall be sandwiched between 10mm	1			
			thick calcium silicate board on both sides (edge to edge				
		}	on internal hard wood frame) and facing with 6mm	1			
-			commercial ply (BWP) . On both faces with 15x70mm	1		1	
-			Hardwood beading, 20X4 mm imported seals of				
			approved make(Charges for sealz payable extra), fire and				
			smoke intumescent seal on the shutter, 1 mm thick	1			
1			laminate facing on both sides in desired colour and	1			
-			shade. The Frame shall be 140x70mm Hardwood(Red	ľ			
1			Merrandi) and coated with approvedfire retardant Primer. The Rebate shall be 20X70mm in Door frame to	ļ		į	
							'
1			accommodate the shutter as per the direction of		C	1714475	04206.00
ŀ	445	NAD.	Engineer in Charge.	5.5	Sqm	17144.75	94296.00
	14.5	MR	Providing of fixing stainless steel ball bearing hinges of				
Ķ			size 100x75x3 mm (of make Abloy/Dorma/geze/hettich				
			or equivalent make) with stainless steel screws complete				
1			in all respect as per the direction of engineer in charge.	16	Fach	245 10	EE33.00
$\perp$	14.6	MR	Providing of fixing fire rated heavy duty door closers		Each	345.10	5522.00
	14.0	IVIN	TS72 (of make Abloy/Dorma/geze/hettich or equivalent				
1			make) with necessary screws/bolts etc complete in all		!		
1			respect as per the direction of engineer in charge.				
			respect as per the direction of engineer in charge.	4	Each	8782.55	35130.00
╁	14.7	MR	Providing of fixing 22 mm diameter and 300mm		Lacii	6762.55	33130.00
1	14.7	14117	longbrushed steel finish pull handles with long bolt and	İ			
			cap for fixing from external side only (of make				
	Ì		Abloy/Dorma/geze/hettich or equivalent make) with				
			necessary screws/bolts etc complete in all respect as per			.	
			the direction of engineer in charge.				
İ			income and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and configuration and c	4	Each	852.30	3409.00
$\vdash$	14.8	MR	Providing of fixing dead lock with both side key				
l		• • • • • • • • • • • • • • • • • • • •	operation in brushed steel finish (of make		ĺ		
			Abloy/Dorma/geze/hettich or equivalent make) with				
l			necessary screws/bolts etc complete in all respect as per				
	1		the direction of engineer in charge.	2	Each	2631.65	5263.00
$\vdash$	14.9	MR	Providing and fixing 100 mm diameter Stainless steel ( of				
			minimum grade 304) grating (Jali with frame) for gully,				
	ļ		floor or Nahani trap of the make as approved by	Į			
			Engineer -in-charge.	10	Each	66.50	665.00
	14.1	MR	Providing and fixing automatic censor to each urinal of				
			Jacquer or equivalent make including all necessary				
			fittings etc. complete as per direction of Engineer-In-				
			Charge 210 -	4	Each	8233.00	32932.00

	,	•	partition of size 900mm x 450mm of Jaquar make	e			1
	3		(Model No 1810-US) or similar series of equivalent make			İ	
		( -	complete as per directions of Engineer-in-charge.	•			
	(			6	Each	5459.05	32754.00
- 1	14.12	MR	Providing and fixing 1st quality white vitreous china				· .
		j	under counter oval shape wash basin of Jaquar (Cat No	o j			
-			CNS-WHT-WB03) or similar series of equivalent make or	F			
			size 195 x 600 x 425 with C.I. brackets i/c painting of				
-			fittings and C.P. brass pillar cock having auto closing				
			system of Jaquar (Cat. No. PRS-031) or equivalent make				
			32mm waste coupling of Jaquar Cat. No. ALD 709 or	1	1		
-		1	equivalent make and CP brass bottle trap (Size 300 x				
-		}	190mm) of Jaquar Cat. No. ALD 769L or equivalent make				
1			including cutting and making good the walls wherever				
			required as per the direction of the Engineer-in-Charge.				
				8	Each	8448.00	67584.00
	14.13	MR	18 mm thick machine cut and mirror polished granite				
-			stone of approved shade in riser of steps, skirting, dados				
1			and pillars laid on 12mm (average) thick cement mortar				
		}	1:3 (1cement : 3 coarse sand) and jointed with grey				
Į			cement slurry mixed with pigment to match the shade of		'		
			granite slab complete in all respects. (Based on DSR Item				
•			No. 11.27)			0	
L				310	Sqm	3005.42	931680.00
-		-	TOTAL 2850		= (249	52154(A)	
L			Add Contingencies on (A) @ \25181	5.00%			303573.0
-			Add Labour Cess on (A) @ 85036	1.00%			60715.0
			Add EPF & ESIC on (A) @ 3() 484	4.25%			258037.0
L			GRAND TOTAL 93,15,237				6693787.0
-							
$\vdash$			:		90	ashar	<u></u>
$\vdash$		Assistant	Engineer (P)		Fvec	utive Engin	leer .
$\vdash$		Assistant	Engineer (t )			Central Div	
$\vdash$						WD, Karna	
<u> </u>	1	<del></del>				TTD, Nama	

MR: - PIF Inpitor Anditorium

Chair Csame as per estimate 134.00 @14673 1966 182-1

Sent Vide letter NO: -20 (NIT)

2100110/70501010/2018/532dtd 18/219

MIR PH Chemical bolt to fix the Chairs in existing Floor

Chairs in existing Floor

Note: - All the applicable taxes shall be applied accordingly, page 11 of 11 possing 2019. 2432154-4

	`1	<u>Original Estimate</u>				
Nam	e of Work:-	Renovation of senate hall at NIT, Kuruksh	etra.			
	·					
SL. No.	DSR No.	Description	Qty	Unit	Rate	Amount
1	4	CONCRETE WORK				
1.1	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:				
1.1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from		+		
1.1.1	4.1.10	natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).			5520.20	424447.00
2	8	CLADDING WORK	22	cum	5520.30	121447.00
2.1	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish			200.00	125252
	11	complete. *	345	sqm	368.00	126960.00
3	11 26	FLOORING		-		£
3.1	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):				
3.1.1	11.26.1	25 mm thick	150	sqm	1531.85	229778.00
3.2		Providing and laying flamed finish 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:		•		
3.2.1	1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	150	sqm	2476.45	371468.00
3.3	11.56   I	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 lirected by the Engineer-in-Charge.				
.3.1	11.56.1 P	Polished Granite stone slab jet Black, Cherry Red, Elite				
	В	rown, Cat Eye or equivalent.	63	sqm	3526.60	222176.00
4	. 13 F	INISHING				
4.1	a n	verage thickness 1 mm, of approved brand and nanufacturer, over the plastered wall surface to prepare				
Ì	tl	he surface even and smooth complete. — 212 –	1165	sqm	115.15	134150.00

1 .	į.	interior grade, having VOC (Volatile Organic Compound )				
•		content less than 50 grams/ litre of approved brand and	1			
1		manufacture, including applying additional coats	1			
	1	wherever required to achieve even shade and colour.	ł			
		:				
4.2.1	13.83.2	Two coats	1165	sqm	113.90	132694.00
4.3	13.85	Applying priming coats with primer of approved brand				
1		and manufacture, having low VOC (Volatile Organic				
		Compound ) content.				
4.3.1	13.85.3	With water thinnable cement primer on wall surface				
1		having VOC content less than 50 grams/litre	1165	sqm	60.00	69900.00
4.4	13.91	Removing dry or oil bound distemper, water proofing				
1		cement paint and the like by scrapping, sand papering		-		
1		and preparing the surface smooth including necessary				
		repairs to scratches etc. complete.				
ļ			1075	sqm	18.25	19619.00
4.5	13.99	Painting with synthetic enamel paint of approved brand				
		and manufacture of required colour to give an even				
		shade:		1.		
4.5.1	13.99.1	One or more coats on old work	155	sqm	79.95	12392.00
4.6	13.103	French spirit polishing:				,
4.6.1	13.103.1	One or more coats on old work	20	sqm	176.85	3537.00
5	14	REPAIRS TO BUILDING				
5.1	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.	····			
5.1.1	14.1.2	With cement mortar 1:4 (1cement: 4 coarse sand)	90	sqm	429.60	38664.00
6	15	DISMANTLING AND DEMOLISHING				
6.1	15.25	Dismantling stone slab flooring laid in cement mortar				
		including stacking of serviceable material and disposal of				
		unserviceable material within 50 metres lead.				
			150	sqm	190.30	28545.00
7	50	NON SCHEDULE				
7.1	MR	Providing and fixing stainless steel (Grade 304) cladding				
		work on R.C.C. columns made of stainless steel sheet				
		1.47 mm thick ( weighing 11.57kg per sqm) fixed upon 4		İ		l
	1	no. 12mm square stainless steel vertical bars ( Grade		j		
	I	304) (weighing 1.113 kg per metre) 4 nos. 10mm square				
	1	Syainless steel vertical bars (Grade 304) ( weighing 0.769				
		kg per metre) and bracing in periphery with stainless steel flat 32x4 mm size (Grade 304) (Weighing 1.04 Kg				ł
	1					1
		per metre) 4 Nos. placed at equal distance for 1.175 mt. height including welding, grinding, buffing, polishing and				
	1	curvature (Wherver required and fitting the same with				
		R.C.C. columns with suitable arrangement as per				1
	1		4	•		
		approval of Engineer-in-charge. – 213 –	67	Sqm	17933.99	1201577.00

		1 polisnea granite	1	1		
+	~ h	stone of approved shade in riser of steps, skirting, dados				1
*3		and pillars laid on 12mm (average) thick cement mortar				
(		1:3 (1cement : 3 coarse sand) and jointed with grey				
	1	cement slurry mixed with pigment to match the shade of				
[		granite slab complete in all respects. (Based on DSR Item				
İ		No. 11.27)				
			26	Sqm	3005.42	78141.00
		TOTAL			(A)	2791048.0
		Add Contingencies on (A) @	5.00%			139552.00
		Add Labour Cess on (A) @	1.00%			27910.00
		Add EPF & ESIC on (A) @	4.25%			118620.00
		GRAND TOTAL				3077130.0
	·					
				P	60	mt.
	a			12	rasi	
	Assistant È	figineer (P)		Exec	utive Engir	neer
		·		Karna	l Central Div	vision
				C	PWD, Karna	ıl

Appendix - XXXVIII

#### NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3527/689 5975

Dated 8.10.2019

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:

Regarding Modified Cost Estimate for the renovation work of civil & electrical in the Senate Hall at NIT Kurukshetra.

The above said work was approved by B&WC in its meeting held on 27.05.2019 for an amount of Rs. 4,10,97,120/-. Out of which the amount for the work of renovation of Senate Hall is Rs. 1,48,38,420/- (Rs. 58,37,400/- for civil work and Rs. 90,01,020/- for Electrical Work).

In view of the above, as per discussion held with the undersigned you are requested to submit the Modified Cost Estimate (inclusive of all taxes) for the work of renovation of Senate Hall after re-appropriation of items of work that can be done within the already approved amount i.e. Rs. 58,37,400/- for civil work and Rs. 90,01,020/- for Electrical Work, within a week time.

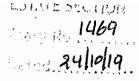
This is for your kind information and further necessary action please.

Prof. I/C (Estate & Construction)

#### Copy to:

- 1. A.E. (Elect.)
- 2. A.E. (Civil)
- 3. Faculty I/C (EM &T)
- 4. Dean (P&D) for information please
- A.E. (Elect.), CPWD, NIT Camp Office
- 6. A.E. (Civil), CPWD, NIT Camp Office
- 7. The Superintending Engineer (Elect.), CPWD, Kendriya Sadan, Sector 9-A, Chandigarh
- 8. The Superintending Engineer (Civil), CPWD, NDRI Campus, Near State Bank of India, Karnal-132001
- 9. SS to Registrar for kind information of Registrar
- 10. SS to Director for kind information of the Hon'ble Director

### भारत सरकार केन्द्रीय लोक निर्माण विभाग



ated: 23/10/2019

कार्यपालक अभियंता (वै०) करनाल केन्द्रीय वैधुत मंडल केन्द्रीय लोक निर्माण विभाग, 208—डी,एच.एस.आई.आई.डी.सी, सैक्टर—3,करनाल Email-cpwdknl@hotmail.com Ph.0184-2220460



Executive Engineer (E)
Karnal Central Elect. Division
Central Public Works Department,
Karnal-132001

Email- eekced.knl.cpwd@nic.in Ph.0184-2220460

No:

20(38)/KCED/2019/ 176

Τo,

The Professor In charge (Estate & Construction),

National Institute of Technology,

Kurukshetra-136119.

Sub:

Regarding Modified Cost Estimate for the renovation work of civil &

electrical in the Senate Hall at NIT Kurukshetra.

Ref:

Your office letter no. CC/3527/689/5975 Dated: 18.10.2019

Sir,

With reference to the above, it is stated that the work which can be executed within the already approved amount of Rs. 90,01,020/- can be seen from the already submitted preliminary estimate for above work vide this office letter no. 20(7)/KCED/2019/1424 dated 03/09/2019.

Executive Engineer (E)

Karnal Central Elect. Division

CDVD Vormal

CPWD, Karnal

Copy to:

1. The Assistant Engineer (E), NIT, Kurukshetra Central Electrial Sub-Division, CPWD, Kurukshetra for information.

Executive Engineer (E)



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

Diary No. <u>477</u> Dated **310/19** 

LO MATE SECTION



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग, एन.डी.आर.आई कैम्पस, मजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दूरभाष : 0184-2250690 फैक्स : 0184-2250660



Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्याः- 20(NIT)/यो.शा./क.मं/2019/9/9/9

दिनांक....2.5./.10/**3**0/9

'सेवा में,

विषय :

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

Regarding Modified Cost Estimate for the renovation work of civil & electrical in

the Senate Hall at NIT Kurukshetra.

संदर्भ : Your office letter No. /CC/3527/689/5975 dated 18.10.2019

Please refer to your letter under reference vide which it has been asked to submit a modified preliminary estimate for the above mentioned work. In this regard it is hereby brought to your kind notice that a modified preliminary estimate amounting to Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) i/c contingencies for civil work has already been sent to your office for A/A & E/S by the competent authority. The earlier preliminary detailed estimate was sent to NIT vide this office letter No. 20(NIT)/PB/KCD/2018/532 dated 18.02.2019 amounting to Rs. 58,37,400/- but during the meeting held on dated 25.07.2019 in the presence of the Prof-Incharge and in charge of senate hall has asked to modify the estimate by incorporating some items & deleting items such as providing and fixing Auditorium chairs and their fixing as the same are to be changed by the NIT authorities as per their requirement. The necessary modification has been made in this estimate according to requirement of NIT during detailed discussion held in the meeting. It was decided in the meeting to submit the estimate in two Annexures keeping internal work and external work items separately. Hence the modified detailed preliminary estimate was framed accordingly for obtaining A/A & E/S from the competent authority.

Thus, the above estimate has been framed according to the requirements of NIT. It is hereby requested that if the estimate is to kept within the cost of Rs. 58,37,400/-, the items not required by the NIT may kindly be

deleted from your end and sanction may be conveyed to CPWD so that the work may be carried out.

This is for your kind information and necessary action please.

(इंजी. प्रशांत अग्रवाल) ^{25/10/19} कार्यपालक अभियन्ता करनाल मण्डल, के.लो.नि.वि, एन.डी.आर.आई कैम्पस, करनाल।

Copy to:-

- 1. The Director, National Institute of Technology, Kurukshetra for information please.
- 2. The Superintending Engineer, Karnal Circle, CPWD, Karnal for information please.
- 3. The Executive Engineer (Elect.), Karnal Central Electrical Division, CPWD, Karnal for information & necessary action as per the above referred letter of NIT.
- 4. The Assistant Engineer, Kurukshetra Central Sub Division, CPWD, Kurukshetra for information.

/ कार्यपालक अभियन्ता





CENTRAL PUBLIC WORKS DEPARTMENT

Diary No. 原烈. Dated. 5/11/19



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग,

एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दूरभाष : 0184-2250690 फैक्स : 0184-2250660 Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India,

Karnal-132001. Phone: 0184-2250690

Fax: 0184-2250660

E-mail: cpwdckarnal@gmail.com

संख्या:- 20(NIT)/यो.शा./क.मं/2019/**५**८५

दिनांक...श<u>्</u>र.<u>...]</u> 1...2019

To,

Prof. I/C (Estate & Construction)

National Institute of Technology

Kurukshetra.

Sub :

Providing consultancy services for Interior Designing & Renovation of Jubilee

Hall at NIT, Kurukshetra.

Sir,

Enclosed please find herewith enabling estimate amounting to Rs. 3,18,500/- for accord of A/A & E/S by the competent authority. The necessity of this estimate has been comprehensively described in the history sheet of the estimate. This estimate has been framed for engaging consultancy services of interior designing to be engaged for finalizing the renovation / up gradation of Jublee Hall in NIT Kurukshetra. During the meeting held with NIT Officers on date 19.09.2019 with Sr. Architect, CPWD, Chandigarh vide which it was discussed that there should be acoustical consultant for renovation of jublee hall to be engaged for finalizing the renovation / up gradation of Jublee Hall in NIT Kurukshetra. The same has been intimated by the Sr. Architect, Chandigarh vide letter No. Sr. Architect (Chandigarh)/366/323 dated 09.10.2019 (copy enclosed). In this regard a meeting was held with Director NIT Kurukshetra on dated 09.10.2019 along with the undersign & it was decided that CPWD will submit a enabling estimate for providing consultancy services. Accordingly this enabling estimate has been framed for obtaining A/A & E/S for engaging consultancy services.

Encl:- As above

(Prashant Agarwal) 02:11.19 Executive Engineer Karnal Division, CPWD, NDRI, Campus Karnal

#### Copy to:-

- 1. The Superintending Engineer, Karnal Circle, CPWD, Karnal for information.
- 2. The Assistant Engineer, (Kurukshetra) w.r.t. his vide letter No. 24(8)/A.E.K./2019/201 dated 30.10.2019 for information.

-219-

**Executive Engineer** 

# GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: B & R NAME OF WORK:

Division: KD

**Sub-Division: KCSD** 

Providing consultancy services for Interior Designing & Renovation of Jubilee

Hall at NIT, Kurukshetra.

**MAJOR HEAD** 

**MINOR HEAD** 

**DETAIL HEAD** 

This enabling estimate framed by Er. Ashok Kumar, Assistant Engineer, Kurukshetra Central Sub Division, CPWD, Kurukshetra and further processed in Karnal Division, CPWD, Karnal for the probable cost Rs. 3,18,500 /- i/c contingencies.

#### 1111111111

**History**:

This enabling estimate amounting to Rs. 3,18,500 /- 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. During the meeting held with NIT Officers on dated 19.09.2019 with Sr. Architect, CPWD, Chandigarh vide which it has been decided that there should be need of acoustical consultant for services of interior designing to be engaged for finalizing the renovation / up gradation of Jublee Hall in NIT Kurukshetra. Accordingly this preliminary estimate has been framed for engaging consultancy services and for obtaining A/A & E/S of the competent authority.

**Design & Scope:** 

The following services are to be provided by the specialized agency for interior designing for renovation of Jublee hall at Kurukshetra: -

Providing consultancy services for Interior designing of Jubilee hall at NIT, Kurukshetra. Consisting for designing, detailing, getting approval from competent authority, items for following works:-

- 1.) Flooring
- 2.) Acoustical calculation
- 3.) Acoustical wall treatments
- 4.) HVAC designing
- 5.) Designing of audio video system
- 6.) Designing of CCTV
- 7.) Designing of fire alarm system
- 8.) Designing of recording and transmission system
- 9.) Electrical designing. load calculation etc.
- 10.) Fire Fighting & Fire Alarm designing
- 11.)Furniture designing
- 12.) Preparation of interior perspective views & two min. walkthrough.

**Specification:** 

Work shall be carried out as per CPWD Specification & as per direction of Engineer-In-Charge.

T & P:

No special T & P is required.

**WC Establishment:** 

Shall be met out of contingencies.

Land:

Available with client department.

Rate:

**Based on Market Rates** 

Method:

Through specialized agency.

Time:

01 Month (After receipt of A/A & E/S)

Cost:

Rs. 3,18,500 /- i/c contingencies.

Sr Draughtsman Karnal Division CPWD, Karnal

-220-

Executive Engineer 62.11.19

Karnal Division CPWD, Karnal

#### **DETAILED ESTIMATE**

Name of Work:- Providing consultancy services for Interior Designing & Renovation of Jubilee Hall at NIT Kuru, hetra.

S.No.	DSR	Description	Qty.	Unit	Rate	Amou
1.1	MR	Providing consultancy services for Interior designing o	f	-		
		Jubilee hall at NIT, Kurukshetra. Consisting for	r			1
		designing, detailing, getting approval from competent	t			1
		authority, items for following works:-				j
		1.) Flooring				1
		2.) Acoustical calculation				
		3.) Acoustical wall treatments				ļ
		4.) HVAC designing				ļ
		5.) Designing of audio video system			}	}
		6.) Designing of CCTV				
		7.) Designing of fire alarm system				
		8.) Designing of recording and transmission system				
		9.) Electrical designing. load calculation etc.				
	.	10.)Fire Fighting & Fire Alarm designing				1
		11.)Furniture designing				1
		12.)Preparation of interior perspective views & two min.	1			
		walkthrough.				İ
			455	Sqm	634.84	288852.00
		Total Rs.				288852.00
		Add Contingencies @	5.00%			14443.00
	÷	Add Labour Cess @	1.00%			2889.00
		Add EPF & ESI @	4.25%			12276.00
		Grand Total				318460.00
		Say Rs.			<del></del>	3,18,500/-
· ·	-sd/ Junior Eng		 Assistant	sd/-		
	<del></del>	a Central Sub Division			al Sub Divis	ion
	CPWD, Ku		CPWD, K			,
	12 Malil	<u></u>	P	t		
-		toman	Franting		02.11.19	
	Sr./Draugh Karnal Divi		Executive Engineer  Karnal Division			
	CPWD, Ka		CPWD, Ka			
	C. 11D, 14a		J. 11D, 10		,	

Phone: 0172-2741710 Phone: 0172-2749609



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

केन्द्रीय लोक निर्माण विभाग, केन्द्रीय सदन, सैक्टर ९-ए, वरिष्ठ वास्तुक चण्डीगढ क्षेत्र चण्डीगढ - 160009



Central Rublic Works Department, Kendriya Sadan, Sector 9-A, Senior Architect (Chd. Region) Chandigarh-160009 E-mail: Sachd.cpwd@nic.in

No. वरिष्ठ वास्तुक (चण्डीगढ़) /366/ 327

दिनांक: 09.10.2019

सेवा में.

कार्यपालक अभियंता, करनाल केन्द्रीय मंडल, के0 लो0 नि0 वि0, करनाल।

विषयः Consultant for Jubilee Hall at N.I.T. Kurukshetra.

संदर्भः Meeting held with NIT Officers on 19.9.2019.

महोदय,

As discussed in the above mentioned site visit & meeting an acoustical consultant is needed to be engaged for finalizing the renovation / upgradation of Jubilee Hall in NIT Kurukshetra.

You are requested to take necessary action in this regards in consultation with the client department.

एस.एस. रावत वरिष्ठ वास्तुक (चण्डीगढ़ क्षेत्र)

### प्रतिलिपि सूचनार्थः-

- 1) डा० एस०एन० गुप्ता, प्रोफेसर इंचार्ज (Estt. & Const.), एन०आई०टी० कुरुक्षेत्र (हरियाणा)।
- 2) अधीक्षण अभियंता, करनाल केन्द्रीय परिमंडल, के० लो० नि० वि०, करनाल।
- 3) कार्यपालक अभियंता (वै०) करनाल केन्द्रीय वैद्युत मंडल, केंं0 लों । नि० वि०, करनाल।

AE(P)

Exectant

14/10/19

वरिष्ठ वास्तुक (चण्डीगढ क्षेत्र)

copy to AE(MIT Rurukshetha)

PR. put up estimate for

1. 1. engagement of Acquistic consultant.

के.लो.ति.वि. काचल कंतीय प्रवर्क संद्या 20 (142) यो, जा 1476 किया 14/40/16

-222

#### NATIONAL INSTITUTE OF TECHNOLOGY **KURUKSHETRA**

No.100/3492/864/7194

Dated 30.12.2019

To

The Executive Engineer (Civil)

CPWD, NDRI Campus, Near State Bank of India.

Karnal-132001

Subject:

To submit the revised cost estimate for the various works at NIT.

Kurukshetra.

A meeting of the Building & Works Committee of the Institute is scheduled to be held very shortly. Therefore, it is requested to submit the revised cost estimate for the following works within a week, so that the same may be putup in the ensuing Building

& Works Committee meeting.

	& Works Committee meeting.					
Sr.	Name of Works					
No.						
1.	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 i.e. ECE, School of Material Science					
l	& Technology, MED, Physical Edu. & Sports Section, CAD, Phy. Deptt., School of VLSi Design &					
	Embedded System, Central Workshop, CED and Chemistry Deptt. etc.					
2.	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					
3.	Provision of Internal & External finishing i.e. distempering & painting including minor & major repair in the					
	Boys Hostel No. 4, 5 & 6					
4.	Construction of extension of existing corridor from New Workshop Building to 12 nos. Lecture hall					
	Complex and MBA/MCA building.					
5.	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.					
6.	Re-carpeting of various roads in the Institutional and Hostel areas.					
7.	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.					
8.	Water Proofing Treatment of Cafeteria in Open Air Theatre.					
9.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Jubilee Hall.					
10.	Renovation/upgradation including Civil, Electrical, Audio System and furniture works in the Senate Hall.					
11.	Finish floor with tiles in the common room, dinning hall, warden office and MMCA office in the old boy's					
	hostel No. (1-6) and girl's hostel No. 1.					
12.	Construction of shed for covering the sports complex stairs.					
13.	Provision of access to Golden Jubilee Administrative Building by providing a gate & parking shed for two					
	wheelers along the in-side boundary wall towards west.					
14.	Provision of shed for parking only for four wheelers in the existing parking near NIT Market Complex					

This may be treated as most urgent.

Prof. I/C (Estate & Construction)

#### Copy to:

1. A.E. (Civil)

2. Dean (P&D) for kind information please -223 -

3. A.E. (Civil), CPWD, NIT Camp Office

- 4. The Superintending Engineer (Civil), CPWD, NDRI Campus, Near State Bank of India, Karnal-132001
- 5. SS to Registrar for kind information of Registrar
- 6. SS to Director for kind information of the Hon'ble Director

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

Diary No. 73
Dated. 13 | 1 | 2020

कार्यपालक अभियंता (वै0) करनाल वैधृत मंडल केन्द्रीय लोक निर्माण विभाग, 208—डी,एच.एस.आई.आई.डी.सी, सैक्टर—3,करनाल Email-cpwdknl@hotmail.com Ph.0184-2220460



Executive Engineer (E)

Karnal Elect. Division

Central Public Works Department,

Ķarnal-132001

Email- eekced.knl.cpwd@nlc.in Ph.0184-2220460

संख्या : 20(7) / क0वै0मं 0 / 2019 / **रि** 

सेवा में.

प्रोफेसर इनचार्ज (E&C), राष्ट्रीय प्रौद्यौगिकी संस्थान, कुरूक्षेत्र— 136118

विषय :--

संशोधित प्रारम्भिक अनुमान।

कार्य का नाम Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Air-conditioning system & LED fixtures, CCTV & LAN System etc.)

संदर्भः

आपका पत्र संख्या:-CC/3492/864/7194 दिनांक 30/12/2019

महोदय,

संदर्भित पत्र के अनुपालन में उपरोक्त कार्य का संशोधित प्रारम्भिक अनुमान रूपये 99,95,856/— सक्षम अधिकारी द्वारा प्रशासनिक अनुमोदन एवं व्यय स्वीकृति जारी करने हेतु आपके कार्यालय में प्रेषित किया जाता है। अनुमान की आवश्यकता का विवरण अनुमान की रिर्पोट में दिया गया है। आपसे अनुरोध है कि कृपया प्रशासनिक अनुमोदन एवं व्यय स्वीकृति शीघ्र से शीघ्र प्रदान कराकर इस कार्यालय को फण्डस उपलब्ध कराने की कृपा करें ताकि उपरोक्त कार्य को कराया जा सके।

संलग्नः प्रारम्भिक अनुमान।

कार्यपालक अभियन्ता (वै0), करनाल वैद्युत मंडल,

के0लो0नि0वि0, करनाल।

प्रतिलिपि :- सहायक अमियंता (वै०), कुरूक्षेत्र वैद्युत उपमंडल, के0लो0नि0वि०, कुरूक्षेत्र को सूचनार्थ।

कार्यपालक अभियन्ता(वै०)

## CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana Branch: E&M

Division: KCED, Karnal Sub-Division: NIT KCESD

Name of Work:- Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Air-conditioning system, LED fixtures, CCTV & LAN system etc.)

Resid

The Preliminary estimate is framed Assistant Engineer (E), NITKCESD, Kurukshetra & processed in the office of Executive Engineer (E), KCED, Karnal for the probable cost of Rs. 9995856/-i/c contingencies.

#### REPORT

pained

<u>History:</u> This Preliminary Estimate amounting to Rs. 9995856/- i/c contingencies has been framed to cover the probable cost of above noted work & is meant for accord of administrative approval and expenditure sanction of the competent authority. The estimate has been prepared as per requisition received vide letter no. CC/3492/864/7194 dated 30/12/2019.

DESIGN & SCOPE: - The following provisions have been kept in this estimate:-

- 1. Delegate / Chairman Unit.
- 2. Central control Unit.
- 3. Hand held cordless mike.
- 4. Lapel cordless mike.
- 5. Column Speakers.
- 6. Digital Podium.
- 7. 4 Channel Amplifier.
- 8. 5000 lm laser projector.
- 9. Switcher, distribution amplifier, transmitter/receiver.
- 10. 82" LED display.
- 11. Customized rock with necessary cabling etc.
- 12. 54 HPV VRV Air conditioning systems complete with indoor, outdoor units, necessary piping & cabling etc.
- 13. Smart lighting comprising of LED fixtures with dimming option & lighting control system.
- 14. Energy Saving fans.
- 15. Replacement of old wiring, Switches & MCBDB-etc.
- 16. CCTV System
- 17. LAN System.

Method:

Through Contract.

Rates:

PAR 2019/Market Rates.

Time:

04 Months.

Cost:

Rs. 9995856/- i/c contingencies.

Assistant Engineer (E)

NITKCESD, KKR

Assistant/Engineer (E)

Executive Engineer (E),

KCED, CPWD, Karnal

PE Senate Hall

Revised - PRELIMINARY ESTIMATE
--------------------------------

Nar of Work: Renovation of Senate Hall at NIT Kurukshetra. (SH:- Providing Audio / Visual System, VRV Aircon ioning system, LED fixtures, CCTV & LAN system etc.)

S.No.	Description of Item	Qty.		Rate	Unit	Amount
	CUD HEAD I / Audio Viewal System		<u> </u>			
1	SUB HEAD-I (Audio Visual System)  Supplying, Installation, Testing & Commissioning of Digital wireless Delegate/Chairman Units complete as required.	7	Nos	60000.00	each	420000.00
2	Supplying, Installation, Testing and Commissioning of Digital wireless Central control unit complete as required.	1	No.	250000.00	each	250000.00
3	Supplying, Installation, Testing and Commissioning of Hand held wireless mike complete as required.	6	No.	45000.00	each	270000.00
4	Supplying, Installation, Testing and Commissioning of Lapel cordless mike complete as required.	. 2	Nos	45000.00	each	90000.00
5	Supplying, Installation, Testing and Commissioning of column Speakers with Constant Beam width technology with high power LF drivers complete as required.	4	Nos	85000.00	each	340000.00
3	Supplying, Installation, Testing and Commissioning of free Standing / floor mounted type digital podium with built in interactive capacitive touch monitor complete with HDMI & VGA inputs at top complete as required.	1	No	300000.00	each	300000.00
7.	Supplying, Installation, Testing and Commissioning of 4 channel, 600W per output Channel Amplifier complete as required.	1	No	150000.00	each	150000.00
,	Supplying, Installation, Testing and Commissioning of 5000 lm, WUXGA, LCD Laser Projector complete with lifting arrangement complete as required.	. 1	No	350000.00	each	350000.00
	Supplying, Installation, Testing and Commissioning of 3X1 Switcher with two HDMI input and one VGA input complete as required.	1	No	50000.00	each	50000.00
0	Supplying, Installation, Testing and Commissioning of 1X4 HDMI distribution amplifier complete as required.	1	No.	50000.00	each	50000.00
1	Supplying, Installation, Testing and Commissioning of Transmitter / Receiver etc. complete as required.	3	Sets	40000.00	Set	120000.00
	Supplying, Installation, Testing and Commissioning of 82" 4K LED display complete as required.	2	Nos	550000.00	each	1100000.00
	Supplying, Installation, Testing and Commissioning of customized Rack with neccessory cabling etc. as required.	1	Job	100000.00	Job	100000.00
	Total Sub Head -I			·		3590000.00

	S,I¥Q.	Description of Item	Qty.		Rate	Unit	Amount
• [		SUB HEAD-II ( VRV Airconditioning System )					7
	1	Supplying, Installation, Testing and Commissioning of					
	C	VRV/VRF System including indoor /outdoor units, piping,		i			
	'	electrical power distribution/wiring, electrical panel, treated fresh air system.					
		inesir ali system.	5.4	HP	55000.00	L L D	2070000 00
H			54	100	55000.00	HP	2970000.00
12	2	Supplying, & laying of LT Cable i/c connections, testing etc			<del> </del>	<u> </u>	
L		complete as required.		Job	100000.00	Job	100000.00
-  -				ŀ			
┝		Total Sub Head -II		<del>                                     </del>			3070000.00
$\vdash$		SUB HEAD-III ( Wiring & LED fixtures )		<u> </u>	<del>                                     </del>		
1		Supplying, Installation, Testing and Commissioning of 300mm		<del> </del>	<del> </del>		
Ι.		X 300mm Surface type LED fixtures with CCT of 4000K		'			
		complete as required.	60	Nos	3500.00	each	210000.00
2		Supplying, Installation, Testing and Commissioning of Recess			}		
		type Dali Dimmable LED fixtures of 24/32W complete with					
		controller & other accessories complete as required.	. 05	Nos	11000.00	T	1045000.00
$\vdash$			95	1105	11000.00	Each	1045000.00
3	$\neg \neg$	Supplying, Installation, Testing and Commissioning of Energy					
		saving fans complete as required.	15	Nos	2000.00	Each	30000.00
4		Replacement of old wiring, Switches, MCBDB etc complete		1			
$\vdash$		as required.	1	Job	300000.00	Job	300000.00
$\vdash$		Total Sub Head -III			<del>                                     </del>		1585000.00
-		Total Sub neau -III			<del> </del>		1505000.00
	- 1	SUB HEAD-IV ( CCTV System )					:
1		Providing CCTV System complete with NVR, LED Screen,					
	ļ	JPS i/c neccessary cabling etc. as reqd.		Job	500000.00	lah	50000000
$\vdash$				300	300000.00	Job	500000.00
		Total Sub Head -IV			<u> </u>		500000.00
L		SUB HEAD-V ( LAN System )					
1		G/I/T/C of LAN System comprises of Rack, Patch Panels, CAT	!				
$\vdash$	- 16	cable i/c outlets etc. as regd.	1	Job	300000.00	Job	300000.00
$\vdash$	-	Total Sub Head -V			<del> </del>		300000.00
$\vdash$		Total Gub Heau -V					300000.00
	$\overline{}$	Grand Total ( I + II.+ III + IV + V )					9045000.00
$\vdash$		Add Labour Cess @1%					90450
Н	- +	Add EPF & ESCI @4.25%				÷	384412.50
H	-	Total					9519862.50
-		Add 5 % Contingencies	-				475993.125
$\vdash$		Total			· · · · · · · · · · · · · · · · · · ·		
$\vdash$							9995855.63
L,		Say Rs.					9995856.00

Assistant Engineer (E) NITKCESD, KKR Assistant Engineer (E)

Executive Engineer (E), KCED, CPWD, Karnal

Appendix-X61

#### NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

No./CC/3527/35 568

Dated 16.01.2020

To

The Executive Engineer (Civil),

CPWD, NDRI Campus, Near State Bank of India,

Karnal-132001

Subject:

Administrative Approval & Expenditure Sanction for Repair works including Civil, Electrical and Audio System works in the Jubilee

Hall & Senate Hall at NIT, Kurukshetra

Reference:

MoU dated 20.12.2012 and approval of the Hon'ble Director on dated

15.01.2020

In view of the approval of Competent Authority, the administrative approval and expenditure sanction is hereby conveyed for the work as cited in the subject.

Sr. No.	Name of Work	Cost of Work
1	Repair work including Civil, Electrical and Audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra	

It is important to note that CPWD will provide the detailed cost estimate (DNIT) along with detailed architectural drawings for approval from the competent authority of the Institute before calling the tender.

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

Prof. I/C (Estate & Construction)

HEROLDINA

#### Copy to:

- 1. Dean (P&D)
- 2. Faculty I/C (EM&T)
- 3. Prof. I/C (Accounts) NITK
- 4. A.E. (Elect.), NITK
- 5. A.E. (Civil), NITK
- 6. J.E. (Elect.), NITK
- 7. J.E. (Civil), NITK
- 8. SS to Registrar for kind information of Registrar
- 9. SS to Director for kind information of the Hon'ble Director
- 10. A.E. (Civil), CPWD, NIT Camp Office
- 11. A.E. (Elect.), CPWD, NIT Camp Office
- 12: The Executive Engineer (Elect), CPWD, 208-D, HSIIDC, Sector-3, Karnal-132001
- 13. The Superintending Engineer (Civil), CPWD NDRI Campus, Near State Bank of India, Karnal-132001
- 14. Chief Engineer (NZ-I), Chandigarh CPWD, Kendriya Sadan, Sector-9-A, Chandigarh



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

ESTATE SECTION



कार्यालय कार्यपालक अभियंता केन्द्रीय लोक निर्माण विभाग, एन.डी.आर.आई कैम्पस, नजदीक स्टैट बैंक आफ

इंडिया, करनाल -132001 दरभाष: 0184-2250690 फैक्स : 0184-2250660

Office of the Executive Engineer, Central Public Works Department, NDRI Campus, Near State Bank of India, Karnal-132001. Phone: 0184-2250690

> Fax: 0184-2250660 E-mail: cpwdckarnal@gmail.com

संख्या:- २०(NIT)/यो.शा./क.मं/२०२०/ 🗳 👍

सेवा में.

Prof. I/C (Estate & Construction)

National Institute of Technology Kurukshetra.

विषय :

Renovation/upgradation including Civil, Electrical, Audio system and furniture works in the senate hall at NIT, Kurukshetra. SH:- Supply & Fixing of Auditorium chair.

संदर्भ :

आपका पत्र सं0 CC/3492/864/7194 दिनांक 30.12.2019

महोदय,

उपरोक्त कार्य का प्रारम्भिक अनुमान जिसकी राशि 30,67,800/-रूपये है, दो प्रतियों में संलग्न किया जाता हैं। आपसे अनुरोध है कि अनुमान की प्रशासनिक अनुमोदन एवं व्यय स्वीकृति यथाशीघ्र प्रेषित करने की कृपा करें। अन्यथा समय के साथ-साथ मूल्य सूचकांक में वृदि होने के कारण इस कार्य के निष्पादन में कठिनाई हो सकती है। कार्य की स्वीकृति करते समय लेखा शीर्ष (हैड ऑफ एकांउट) का भी उल्लेख करने की कृपा करें।

भवदीय.

संलग्न :

उपरोक्त दो प्रतियों में।

कार्यपालक अभियन्ता-करनाल करनाल मण्डल, के.लो.नि.वि।

प्रतिलिपि :-

1. सहायक अभियंता, कुरूक्षेत्र उप-मण्डल, के.लो.नि.वि, कुरूक्षेत्र को उनके पत्र सं० 276 दिनांक 30.01.2020 के संदर्भ में सूचनार्थ।

कार्यपालक अभियन्ता-करनाल

#### **GOVERNMENT OF INDIA** CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana **Division: Karnal** Branch: B & R Sub-Division: KKR

NAME OF WORK: Renovation/upgradation including Civil, Electrical, Audio system and

furniture works in the senate hall at NIT, Kurukshetra. SH:- Supply &

Fixing of Auditorium chair.

**MAJOR HEAD** MINOR HEAD **DETAIL HEAD** 

> This preliminary estimate has been framed by Er. Ashok Kumar Garg and further processed in Karnal Division, CPWD, Karnal for the probable cost of Rs. 30,67,800/- i/c contingencies

#### REPORT

#### **History:**

This preliminary estimate amounting to Rs. 30,67,800/- i/c 5% contingencies, 1% Labour cess and other necessary taxes has been framed to cover the probable of above said work and for obtaining A/A & E/S from the Competent Authority. The client department during the meeting held on dated 25.07.2019 in the presence of the Prof. In charge and In Charge of Senate Hall has asked to modify the estimate by incorporating some items & deleting items such as providing and fixing Auditorium chairs and their fixing as the same are to be changed by the NIT authorities as per their requirement, hence modified estimate was sent to the client department vide letter no. 20(NIT)/PB/KCD/2019/4443 dated 07.09.2019 incorporating all the provision as per their requirement. But now a fresh requisition was received vide letter No. CC/3492/864/7194 dated 30.12.2019 marked at Sr. No. 10 and it was requested to incorporate the furniture work again. Hence this preliminary estimate amounting to Rs. 30,67,800/- is prepared for furniture works only for obtaining A/A & E/S from the competent authority.

### Design & Scope: The following provisions have been made in this preliminary estimate:-

- Providing of fixing Auditorium Chair in senate hall of WOODEN ARMREST WITH DESKLET approximate seat size depth@50.50 cm at front to 97.60 cm after stretching width at rear @ 67.50cm, width at front@ 50.70cm and back rest assembly with high back size height @107.50cm and height at seat level@45.50cm of approved make & design as per the direction of the Engineer-in-charge. The wooden arm rest shall be made up of soiled beech wood with clear lacquer coat and all steel component shall be epoxy polyester powder coated (DFT 40-60 microns) by replacing existing chairs.
- 2. Providing of fixing chemical bolt to fix the chair on existing floor according to requirement and location and sizes complete as per direction of Engineer-in-charge.

#### Note:-

The size and specifications of the chair mentioned above may change slightly at the time of calling of tenders subject to generic availability of the above.

#### Specification:

Work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips 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.
- 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.

<u>Land:</u>

Available with client department.

Rate:

Based on Market rates.

Method:

Through contract after call of tender.

Time:

04 Months (After receipt of A/A & E/S)

Cost:

Rs. 30,67,800/- i/c contingencies

-sd/-

Junior Engineer KKR Sub Division CPWD, Kurukshetra -sd/-

Assistant Engineer KKR Sub Division CPWD, Kurukshetra

Sr. D/Man
Karnal Division
CPWD, Karnal

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Executive Engineer
Karnal Division

Perashant

CPWD, Karnal

### **Original Estimate**

Name of Work:- Renovation/upgradation including Civil, Electrical, Audio system and furniture works in the senate hall at NIT, Kurukshetra. SH:- Supply & Fixing of Auditorium chair.

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	NON SCHEDULE					
1.1	Providing of fixing chemical bolt to fix the chair in existing					
	floor according to requirement of location and sizes					
	complete as per direction of Engineer-in-charge.					ļ
	· · · · · · · · · · · · · · · · · · ·	134	Each	3345.00	448230.00	MR
1.2	Providing of fixing Auditorium Chair - WOODEN ARMREST					}
	WITH DESKLET approximate seat size depth of 50.50 cm				Į	
	at front to 97.60 cm after stretching. Width at rear of		i		İ	
	67.50cm, width at front of 50.70cm and back rest					
1	assembly with high back size height of 107.50cm and			}		
	height at seat level of 45.50cm of approved make &				·	
	design as per the direction of the Engineer-in-charge. The					
	wooden arm rest shall be made up of solid beech wood			}		
	with clear lacquer coat and all steel component shall be					
	epoxy polyester powder coated (DFT 40-60 microns).					
	(The cost of grouting and bolts will be paid for		İ	ļ		
	separately).	134	Each	17420.00	2334280.00	MR
	Total				2782510.00	_
	Add Contingencies @ 5%				139126.00	
	Add Labour cess @ 1%				27825.00	
	Add EPF & ESIC @ 4.25%				118257.00	
	Grand Total				3067718.00	
	Say				30,67,800/-	
	Note:- The size and specifications of the chair mentioned	l ahove i	may chang	e slightly at	the time of	
	calling of tenders subject to generic av			<b>.</b>	the time of	
<del>-</del>	-sd/-			-sd/-		
	Junior Engineer		Assistar	nt Enginee	r	
	KKR Sub Division		KKR Suk	Division		
	CPWD, Kurukshetra		CPWD,	Kurukshetr	а	
	10-10-		P			
	Molk			hant	·	
	Şr. D/Man			/e Engine	er	
	Karnal Division		Karnal D			
	CPWD, Karnal		CPWD, I	Karnal		

50.37 Providing of fixing chemical bolt to fix the chair in existing floor according to requirement of location and sizes complete as per direction of Engineer-in-charge.

Code Description	Rate	Unit	Qty	Total
Details of cost for One Each Basic Rate	2000.00	Per	1.00	2000,00
Fixing Charges L.S.	500.00	Each LS.	1.00	500.00
TOTAL Add 196 for water charges on W				W 2500.00
TOTAL *** Add 12 % GST applicable on work contrac	*	al de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	ر. د ایون باز (۱۱)	
by reversible method (multiplying factors) on X				
TOTAL  Add 15 % for CPOH on Y				
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<b>1</b>	Crida	bolts will be paid for senarately). Description				V. 6.	
	- was	Details of cost for 1 No. chair	Rate	Unit	Qty		Total
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		Flexi high back with desidet with wooden	13020,00	No.	1.00	14.34	
	CANCEL MARKET COMP.	armtop azure blue main chair			S-77 C.		
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Subject:

Approval of the Revised Cost Estimate for renovation/up-gradation including Civil, Electrical, Audio System and furniture works in the Senate Hall at NIT, Kuruksehtra.

P),

The Building & Works Committee approved the cost estimate of Rs. 4,10,97,120/- in its 25th meeting held on 27.05.2019 vide item no. 25.12 for the repair work including civil, electrical and Audio System works in the Jubilee Hall & Senate Hall at NIT, Kurukshetra. Subsequently, the same was approved by Finance Committee in its 41st and BOG in its 50th meeting held on 20.06.2019 (copy enclosed).

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It is intimated that a meeting comprising of Superintending Engineer (Civil) (CPWD), Registrar and Professor I/C (E&C) was held on 25.07.2019 under the Chairmanship of Hon'ble Director NIT, Kurukshetra. During the meeting it was discussed that the Hon'ble Vice-President of India will visit at NIT, Kurukshetra in November 2019, hence this work is to be completed before November 2019. In addition to it was decided that the work shall be executed in two phases and the cost estimate will be modified as per the meeting specifications. A letter was also received from Assistant Engineer (Civil), Kurukshetra, Central Sub Division, CPWD, Kurukshetra vide No. 24(8)/AE/KCSD/2019/143 dated 30.07.2019. That scope of work and detailed estimate can be modified. In this regard the meetings were held on 1.8.2019 and 13.8.2019 in consultation with Dean (IIIR) from time to time & decided the scope of work and detailed specifications. The same were conveyed to CPWD to submit the detailed cost estimate.

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Accordingly, Executive Engineer (Elect.), CPWD, Karnal submitted a preliminary cost estimate for an amount of Rs. 91,11,756/- vide letter no. 20(7)/KCED/2019/1424 dated 03.09,2019. In reference to above said letter a reply was sent to Executive Engineer (Elect.) CPWD vide letter no. CC/3550/553/5321 dated 06.09.2019, to include the following points in the preliminary cost estimate:

'/"

1. LAN points for the tables

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2. CCTV at entrance & inside of the Senate Hall.

3. UPS backup for Audio & Visual System.

The Executive Engineer (Civil), CPWD also submitted a modified preliminary cost estimate for an amount of Rs. 97,70,900/- for renovation of Senate Hall vide letter no. 20(NIT)/PS/KCD/2019/4443 dated 07.09.2019.

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Thereafter, a letter was sent to Executive Engineer (Civil), & Executive Engineer (Elect.), CPWD, Karnal vide no. CC/3527/689/5975 dated 18,10.2019 to submit the modified cost estimate (inclusive of all taxes) for the renovation of Senate Hall after reappropriation of items of work that can be done within the already approved amount i.e. Rs. 58,37,400/- for civil work and Rs. 90,01,020/- for Electrical work. In response to the above referred letter Executive Engineer (Elect.), CPWD, Karnal had intimidated vide letter no. 20(38)/KCED/2019/176 dated 23.10.2019 that the work can be executed within the already approved amount of Rs. 90,01,020/- may be seen from the already submitted preliminary estimate for the above said work.

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Further, Executive Engineer (Civil), CPWD, Karnal submitted a modificed preliminary cost estimate amounting to Rs. 97,70,900/- (Rs. 66,93,787/- Annexure-A) & (Rs. 30,77,130/- Annexure-B) vide no. 20(NIT)/PS/KC/2019/4628 dated 25.10.2019 including contingencies for civil work has already been sent to your office for A/A & E/S vide letter no. 20(NIT)/PS/KCD/2019/ 4443 dated 07.09.2019. A letter was also received from Executive Engineer Karnal, CPWD for providing consultancy services for Interior Designing & Renovation of Jubilee Hall at NITK vide No. 20(NIT)/PS/CD/2019/4825 dated 02.11.2019 for an amount of Rs. 3.18,500/-. Again a letter was sent to Executive Engineer (Civil) & Executive Engineer (Elect.), CPWD, Karnal to submit

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to Executive Engineer (Civil) & Executive Engineer (Elect.), CPWD, Karnal to submit the revised cost estimate for renovation/upgradatin including Civil, Electrical, Audio System and furniture works in the Senate Hall vide no. CC/3492/864/7194 dated 30.12.2019 as the meeting of Building & Works Committee of the Institute is going to be

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held very shortly.

Accordingly, ExecutiveEngineer (Elect.), CPWD, Karnal submitted the revised cost estimate for an amount of Rs. 99,95,856/- for providing Audio/Visual System, VRV Air-conditioning system & LED fixtures, CCTV & LAN system etc. in the Senate Hall at

NIT, Kurukshetra vide letter no. 20(7)/CED/2019/100 dated 10.01.2020.

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In the light of the above, refered letter toward providing consultancy services for Interior Designing & Renovation of Jubilee Hall. The A/A & E/S for an amount of Rs. 4,10,97,120/-for the work of repair work including Civil, Electrical and audio System works in the Jubhilee Hall & Senate Hall was conveyed to Executive Engineer (Civil), CPWD, Karnal vide letter no. CC/3527/35/568 dated 16.01.2020. The Executive Engineer (Civil), CPWD also submitted the preliminary cost estimate of Rs. 30,67,800/vide letter no. 20(NIT)/PS/CD/2020/261 dated 31.01.2020 for supply and fxing of Pho-wh auditorium chair in Senate Hall.

detailed The following revised cost estimates as per DSR-2018/ PAR-2019/Market Rates submitted by the Executive Engineer (Civil) & (Elect.), CPWD, Karnal for renovation/upgardation including Civil, Electrical, Audio System and Furniture work in the Senate Hall at NIT, Kurukshetra.

Further, it is important to note that the revised cost estimate for renovation/upgradation including Civil, Electrical, Audio System and furniture works of Jubillee Hall will be put in the next Building & Works Committee after receipt from

CPWD which is in process.

Sr. No.	Description	Revised cost estimate (in Rs.)
1	Internal civil work of Senate Hall /Auditorium along with the renovation of toilet blocks.	66,93,787.00
2	Uplift of the entrance of the Senate Hall.	30,77,130.00
3	Providing Audio/Visual System, VRV Air-conditioning system & LED fixtures, CCTV & LAN System etc. in the Senate Hall.	99,95,856.00
4	Supply & fixing of auditorium Chair for Senate Hall.	30,67,800.00
	Total	2,28,34,573.00

In view of the above, if agreed, the Hon'ble Director may approve the revised detailed cost estimate of Rs. 2,28,34,573/- for the work of renovation/up-gradation including Civil, Electrical, Audio System and furniture works in the Senate Hall. Approval may also be accorded to put up the revised detailed cost estimate before the Building & Works Committee meeting in its ensuing meeting to be held shortly.

Submitted for approval please.

Assistant Engineer (C) 202

Faculty I/C (E&MT)

27800.02.2020.

Above proposal may be a new item in next BWC for considerate Je 12/2020

Dean (P&D)

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