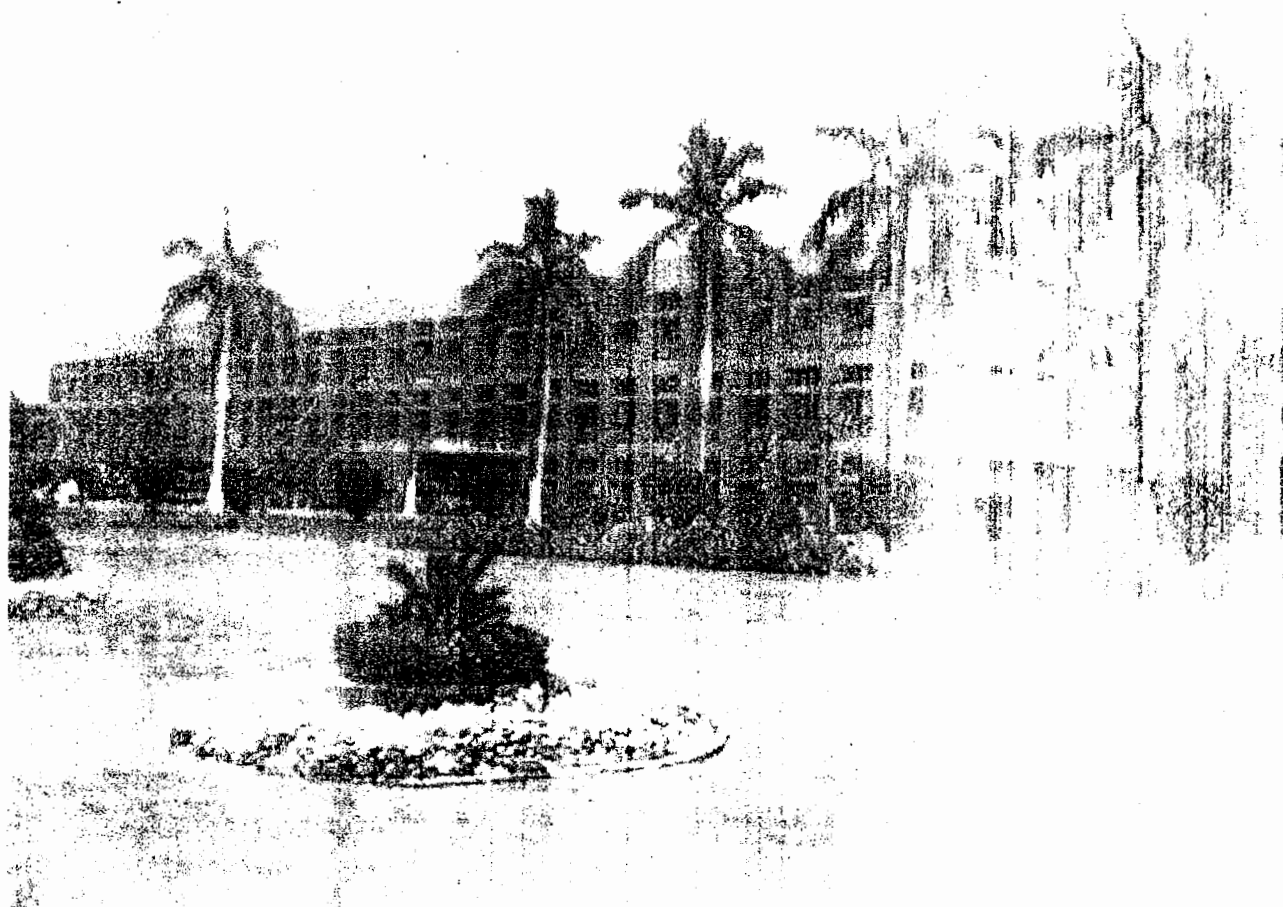




AGENDA FOR 19th
MEETING OF BUILDING &
WORKS COMMITTEE
SEPTEMBER 11, 2014



NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

AGENDA FOR 19th MEETING OF BUILDING & WORKS COMMITTEE

**VENUE : BOARD ROOM
GOLDEN JUBLIEE ADMINSTRATIVE BUILDING
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

DAY : THURSDAY

DATE : 11.09.2014

TIME : 11.00 AM

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

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CONSTITUTION OF BUILDING AND WORKS COMMITTEE

- | | | |
|-----|--|------------------|
| 1. | Prof. Anand Mohan
Director,
National Institute of Technology,
Kurukshetra | Chairman |
| 2. | Nominee of the Central Government
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. | To be nominated by the Board | |
| 4. | Prof. V.K. Sehgal
Dean (Planning & Development)
National Institute of Technology,
Kurukshetra | Member |
| 5. | Er. R K Sao
Superintending Engineer (Electrical),
Chandigarh Electrical Central Circle, CPWD,
Chandigarh | Member |
| 6. | Er. Mahender Pal Singh
Superintending Engineer,
Chandigarh Central Circle,
CPWD, 2 nd Floor, Kendriya Sadan
Sector-9A,
Chandigarh | Member |
| 7. | Prof. K.K. Singh
Dean (Estate)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 8. | Prof. Ashwani Jain
Prof. in-charge (Estate & Construction),
National Institute of Technology,
Kurukshetra | Special Invitee |
| 9. | Prof. Ashwani Kumar
Prof- in- Charge (Elect. Mtc)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 10. | Er. S.N. Kaushik,
Assistant Engineer (Civil)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 11. | Dr. Shyam Narayan
Registrar
National Institute of Technology,
Kurukshetra | Member-Secretary |

Item 19.1 **To confirm the minutes of 18th meeting of Building & Works Committee held on 9.12. 2013.**

The minutes of the 18th meeting of Building & Works Committee held on 9.12.2013 were circulated amongst the members vide letter No.NIT/18th BWC/284 dated 22.1.2014. No comments were received from any member. The minutes are enclosed as Annexure -1 from page 2 to 7.

The minutes may be confirmed.

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**

Minutes of the 18th meeting of the Building & Works Committee, National Institute of Technology, Kurukshetra held on 9th December, 2013 at 12.30 pm in the Board Room of Golden Jubilee Administrative Building of the Institute.

The following were present:

- | | |
|---|-------------------------|
| 1. Prof. Anand Mohan
Director
National Institute of Technology, Kurukshetra | Chairman |
| 2. Prof. V.K. Sehgal
Dean (Planning & Development)
National Institute of Technology, Kurukshetra | Member |
| 3. Er. R K Sao
Superintending Engineer (Electrical)
Chandigarh Electrical Central Circle, CPWD, Chandigarh | Member |
| 4. Er. Varun Kumar
Executive Engineer (Civil)
Karnal Central Division, CPWD, Karnal. | Member |
| 5. Prof. K.K. Singh
Dean (Estate)
National Institute of Technology, Kurukshetra | Special Invitee |
| 6. Prof. Ashwani Kumar
Prof- in- Charge (Electrical Maintenance)
National Institute of Technology, Kurukshetra | Special Invitee |
| 7. Er. A.L. Kamboj,
Executive Engineer (Construction cell)
National Institute of Technology, Kurukshetra | Special Invitee |
| 8. Er. S.N. Kaushik,
Assistant Engineer (Civil)
National Institute of Technology, Kurukshetra | Special Invitee |
| 9. Dr. Shyam Narayan
Registrar
National Institute of Technology, Kurukshetra | Member-Secretary |

Two members i.e. the nominee of the MHRD and Prof. S.K. Sharma as well as the Special Invitee, Prof. Ashwani Jain could not attend the meeting.

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23/12/13

In the opening remarks, the Hon'ble Director and Chairman, Building & Works Committee (BWC) greeted all the members present in the meeting. Chairman, BWC extended warm welcome to new members Prof. V K Sehgal and Dr. Shyam Naryan. He also placed on record his appreciation for outgoing member Prof. V K Arora. Before the start of the deliberations, he reported the house that in the previous Finance Committee (FC) meeting its members were quite critical on phenomenal increase in revised cost estimates of some of the works approved in previous BWC meeting which were finally not approved by FC. He also informed that the members of FC were of the view that only works of priority should be approved by BWC considering the cash flow of the financial year.

The Building & Works Committee took the following decisions:

18.1 To confirm the minutes of 17th meeting of the Building & Works Committee held on 27-06-2013

While confirming the minutes of 17th meeting of BWC an observation was made for obtaining the opinion of CPWD on the provision of staircase in single-storey houses. Referring to this observation, it was informed to the members of the BWC that as per opinion of CPWD no staircase should be provided in single storey houses.

The minutes of 17th meeting of Building & Works Committee held on 27.6.2013 as circulated amongst the members vide letter No. NIT/17th BWC/5982 dated 08.08.2013 were confirmed.

18.2 To report the action taken on the minutes of the 16th meeting of the Building & Works Committee held on 19.11.2012

The Building & Works Committee noted the action taken on the minutes of the 16th meeting of the BWC held on 19.11.2012 as under:

- (I) **Item Nos. 16.3 & 16.4** Transfer of balance amount as per revised A/A & E/S for the works of Construction of Administrative Block and Installation of HT/LT Sub Station at NIT, Kurukshetra to CPWD is pending for want of submission of work completion documents (Structural drawings, copy of measurement books, etc.) to the Institute by CPWD and approval of revised budget of the remaining part of the financial year 2013-14 by BOG.
- (II) **Items Nos. 16.5, 16.6 & 16.7** The members were informed that these agenda items were not recommended by FC to the Board for its approval as mentioned by the Chairman, BWC in the opening remarks.

BWC considered and reviewed these items and decided that in view of utility of holding academic functions and community related activities, Convocation Hall be given first priority. Further, BWC resolved that the

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work of construction of **Convocation Hall** (3000 capacity) be renamed as **Convention Centre** (3000 capacity) for multi- purpose activities and accordingly a fresh request may be sent to Executive Engineer, CPWD for cost estimate. The same should be put up in the next BWC for ensuing approval in FC and BOG. The agenda item Nos. 16.6. & 16.7 will be taken subsequently after the completion of work of Convention Centre.

- (III) **Item No.16.8** It was decided that the work of Provision of Aviation light and Lightening conductor in Mega Boys Hostel (1000 capacity) at NIT, Kurukshetra be allocated to CPWD. The transfer of money for this work should be done immediately after approval of FC minutes in the ensuing BOG meeting. In the mean time, CPWD is requested to do all preparatory works for early execution of the work.
- (IV) **Item 16.9** The work of construction of underground static water tank of 1.5 lakh litre capacity for firefighting purpose in Mega Boys Hostel was discussed and it was resolved that decision will be taken immediately after the meeting by visiting the Mega Boys Hostel and the site of proposed 600 seater Girls Hostel. After the visit, it was resolved that construction of underground static water tank of 1.5 lakh litre capacity at Mega Boys hostel may be dropped as suggested by Er. S K Sao, Superintending Engineer (Elect.) Central Circle, North Zone, Chandigarh. And, the water requirement for firefighting purpose of the Mega Boys hostel should be met out from the proposed underground water tank of 2.0 lakh litre capacity of 600 seater Girls Hostel. The CPWD was asked to submit a fresh cost estimate for laying of schematic water supply lines from 600 seater Girls hostel to Mega Boys hostel. The Chairman, BWC was authorized to approve the revised cost estimate.
- It was also decided that CPWD will also provide a plan layout of pipelines along with water tanks, if any, for firefighting works for all the buildings of the Institute considering the economics of single/ multiple pumps, put up in the next BWC meeting as an agenda item.
- (V) **Item Nos. 16.10 & 16.11** It was decided that the work of replacement of existing LT Panels with MCCB'S/ MCB'S in the Institute and the work of replacement of existing electrical wirings in the instructional building be taken up on priority basis in the next finance year 2014-15. In the mean time, a letter of intent should be issued to Executive Engineer, Central Electrical Division, Karnal CPWD so that all preparatory works are done for early execution of these works. Further, CPWD was requested to make survey and submit the proposal to reduce the electricity bill for the Institute.
- (VI) **Item No. 16.12** This item was discussed as an agenda item no. 18.4
- (VII) **Item No. 16.13** In this regard, it was decided that an early advice of Chief Architect of CPWD be obtained along with architectural drawings and the cost estimate for the same be put up in the next BWC meeting.
- (VIII) **Item Nos. 16.14 and 16.15** It was decided that the work of DG Power

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backup & related facility at various locations in the Institute covering instructional buildings and related facilities as well as the work of DG power backup in Boys & Girls hostel should also be taken up on top priority in the next finance year 2014-15. In the mean time, a **letter of intent** should be issued to Executive Engineer, Central Electrical Division, CPWD, Karnal to complete preparatory works for early execution of these works.

- (IX) **Item No. 16.16** It was decided that the work of covering of newly constructed graded sitting arrangement for 2000 persons in Open Air Theater be allotted to CPWD on top priority by sending a **letter of intent** and money be transferred to CPWD immediately after approval of FC minutes (containing budget for the remaining period of the financial year 2013-14) in the ensuing BOG meeting.
- (X) **Item No. 16.17** It was decided that before execution of this work by CPWD, the consultation of Chief Architect, CPWD may be obtained for the work.
- (XI) **Item No. 16.18** It was decided that the Chief Architect, CPWD should be requested to complete the work of master plan fast so that the roads for widening in the Institute are earmarked and accordingly cost estimate be put up in the BWC meeting.

Further, it was explained in the meeting that under this item there is an urgent need of resurfacing of roads in the residential area as these were resurfaced about 7 to 8 years ago and further delay may worsen their conditions more. It was decided that the cost estimate for the above cited work may be obtained from CPWD and the same be put up in the next BWC for approval.

- (XII) **Item No. 16.19** This item was taken as separate agenda item No. 18.5. Before approving it was resolved that this building may be constructed up to six stories instead of four storey by adding faculty rooms / chamber at one floor and laboratories and tutorial rooms at another floor.

18.3 To report the action taken on the minutes of the 17th meeting of the Building & Works Committee held on 27-06-2013

The Building & Works Committee noted the action taken on the minutes of the 17th meeting as under:

- (I) **Item No. 17.1** Action taken report for this item has been detailed under Agenda Item No. 18.1
- (II) **Item No. 17.2** Action taken report has been detailed under Agenda Item No. 18.2
- (III) **Item No. 17.3** The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. The Executive Engineer assured the house that this work will be started very shortly.

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- (IV) **Item No. 17.4** The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. Er. Varun Kumar, Executive Engineer (Civil), CPWD, Karnal committed the house to give presentation on plan of water supply distribution system of the Institute within 15 days and to start execution of the work within 30 days after presentation.
- (V) **Item No. 17.5** The completion certificate along with letter of inspection will be given by CPWD in this week and final inspection of this work and various other completed works will be carried out within one week.
- (VI) **Item No. 17.6** The revised estimated cost has been received from CPWD and the same will be put up to the Chairman, BWC for approval.
- (VII) **Item No. 17.7** It was decided in the 17th meeting of BWC that the comprehensive cost estimate for the balance work of providing of vitrified floor tiles and wall tiles in all faculty chambers/labs of all the Departments be taken up. The CPWD has submitted the cost estimate for providing of vitrified floor tiles in Electrical and Chemistry Department only. It was decided that the comprehensive cost estimate be obtained from CPWD and be put in the next BWC.
- (VIII) **Item No. 17.8** The cost estimate has been received recently from CPWD and the same be put up to the Chairman, BWC for approval

18.4 To consider and approve the Cost Estimate for Provision of staircase in BA, BB, BC, CA, CB & CC Type residential houses in campus to facilitate the maintenance works at roof top at NIT, Kurukshetra

The Building & Works Committee considered and approved the cost estimate for an amount of Rs. 13,32,500/- (Rupees thirteen lakh thirty two thousand five hundred only) for the provision of staircase in double storey houses BA, BB, BC, CA, CB & CC types residential houses.

18.5 To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.

The Building & Works Committee considered the necessity of additional requirements of Class Rooms & Faculty Chambers and resolved that revised proposal for six storey building for four schools and class/tutorial rooms and faculty chambers be obtained from CPWD. Executive Engineer CPWD, Karnal agreed to provide revised cost estimate by 1st week of January 2014. Further, BWC authorized the Chairman, BWC to approve the revised cost estimate

18.6 To consider & approve the cost estimate for providing audio system in Board Room, Golden Jubilee Administrative Building at NIT, Kurukshetra.

The members deliberated on the proposal vis-a-vis the modern developments in Audio Systems. It was resolved that the revised cost estimate for Audio System along with boundary mikes and lighting control with seam selection be provided by CPWD and the same be submitted to the Chairman, BWC for its approval.

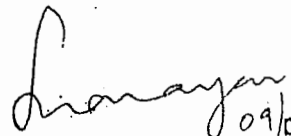
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- 18.7 To consider & approve the revised scope of work and cost estimate for the work of Providing & Installation of 16/20 meter High Mast Light at Sports Ground and various other locations at NIT, Kurukshetra (A/A &E/S accorded item) and conveyed to CPWD)


The matter was deliberated in detail considering the proposal of Superintending Engineer (Electrical), CPWD regarding reduction in the electricity bill and avoidance of light pollution. After the deliberations the members resolved that the scope of work be modified to install low wattage LED flood lights instead of metal halide and this change in scope of work be placed before the FC & BOG for approval. It was also resolved that the modified scope of work will be completed within the sanctioned amount without any additional cost.

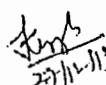

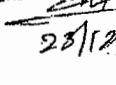

The committee decided that the minutes be confirmed.

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


09/01/14
Registrar & Member-Secretary
Building & Works Committee
NIT, Kurukshetra

Authenticated


Director, NITK & Chairman
Building & Works Committee
NIT, Kurukshetra

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 23/12/13


Item No. 19.2 To report the action taken on the minutes of the 18th meeting of the Building & Works Committee held on 9.12.2013

The action taken on the minutes of the 18th meeting of the Building & Works Committee held on **9.12.2013** is as under.

Item No.	Subject	Decision taken	Action taken
18.1	To confirm the minutes of 17 th meeting of the Building & Works Committee held on 27-06-2013	<p>While confirming the minutes of 17th meeting of BWC, and observation was made for obtaining the opinion of CPWD on the provision of staircase in single storey houses. Referring to this observation it was informed to the members of the BWC that as per opinion of CPWD no staircase should be provided in single storey houses.</p> <p>The minutes of the 17th meeting of Building & Works Committee held on 27.6.2013 as circulated amongst the members vide letter No. NIT/17th BWC/5982-dated 08.08.2013 were confirmed.</p>	No further action is required
18.2	To report the action taken on the minutes of the 16 th meeting of the Building & Works Committee held on 19.11.2012	<p>The Building & Works Committee noted the action taken on the minutes of the 16th meeting of the BWC held on 19.11.2012 is as under:</p> <p>(I) 16.3 & 16.4 Transfer of balance amount as per revised A/A & E/S for the work of construction of Administrative Block and installation of HT/LT Sub Station at NIT, Kurukshetra to CPWD is pending for want of submission</p>	Actions taken

		<p>of work completion documents (structural drawings, copy of measurement books, etc.) to the Institute by CPWD and approval of revised budget of the remaining part of the financial year 2013-14 by BOG.</p> <p>(II) 16.5, 16.6 & 16.7 The members were informed that these agenda items were not recommended by FC to the Board for its approval as mentioned by the Chairman, BWC in the opening remarks.</p> <p>BWC considered and review these items and decided that in view of utility of holding academic functions and community related activities, Convocation Hall be given first priority. Further, BWC resolved that the work of construction of Convocation Hall (3000 capacity) be renamed as Convention Centre 3000 capacity for multipurpose activities and accordingly a fresh request may be sent to Executive Engineer, CPWD for cost estimate. The same should be put up in the next BWC for ensuing approval in FC & BOG. The agenda item item nos. 16.6. & 16.7 will be taken subsequently after the completion of work of convention centre.</p> <p>(III) 16.8 It was decided that the work of provision of aviation light and lightning conductor in Mega Boys Hostel (1000 capacity) at NIT, Kurukshetra be allocated to CPWD. The transfer of money for this work should be done immediately</p>
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after approval of FC minutes in the ensuing BOG meeting. In the mean time, CPWD is requested to do all preparatory works for early execution of the work.

(IV) **16.9** The work of construction of under ground static water tank of 1.5 lakh litre Capacity for fire fighting purpose in Mega Boys Hostel was discussed and it was resolved that decision will be taken immediately after the meeting by visiting the Mega Boys Hostel and the site of proposed 600 seater Girls Hostel. After the visit, it was resolved that construction of underground static water tank of 1.5 lakh litre Capacity at Mega Boys Hostel may be dropped as suggested by Er. S K Sao, Superintending Engineer (Elect.) Central Circle, North Zone, Chandigarh. And, the water requirement for fire fighting purpose of the Mega Boys Hostel should be met out from the proposed underground water tank of 2.0 lakh litre capacity of 600 seater Girls Hostel the CPWD was asked to submit a fresh cost estimate for laying of schematic water supply lines from 600 seater Girls hostel to Mega Boys hostel. The Chairman B&WC was authorized to approve the revised cost estimate.

It was also decided that CPWD will also provide a plan layout of pipe lines along with water tanks, if any, for fire fighting works for all the buildings of the

		<p>Institute considering the economics of single/multiple pumps to put up in the next B&WC meeting as an agenda item.</p> <p>(V) 16.10, 16.11 It was decide that the work of replacement of existing LT Panels with MCCB'S/ MCB'S in the Institute and the work of replacement of existing electrical wirings in the instructional building be taken up on priority basis in the next financial year 2014-15. In the mean time a letter of intent should be issued to Executive Engineer, Central Electrical Division, Karnal CPWD so that all preparatory works are done for early execution of these works. Further, CPWD was requested to make survey and submit the proposal to reduce the electricity bill for the Institute.</p> <p>(VI) 16.12 This item was discussed as an agenda item No. 18.4.</p> <p>(VII) 16.13 In this regard, it was decided that an early advise of Chief Architect of CPWD be obtained along with architectural drawings and cost estimate for the same be put up in the next BWC meeting.</p> <p>(VIII) 16.14, 16.15 It was decided that the work of DG Power backup & related facility at various locations in the Institute covering instructional buildings and related facilities as well as the work of DG power backup in Boys & Girls hostel should also be taken up on top priority in the next</p>	
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		<p>financial year 2014-15. In the mean time a letter of intent should be issued to Executive Engineer, Central Electrical Division, CPWD, Karnal to complete preparatory works for early execution of these works.</p> <p>(IX) 16.16 It was decided that the work of covering of newly constructed graded sitting arrangement for 2000 persons in Open Air Theater be allotted to CPWD on top priority by sending a letter of intent and money be transferred to CPWD immediately after approval of FC minutes (containing budget for the remaining period of the financial year 2013-14) in the ensuing BOG meeting.</p> <p>(X) 16.17 It was decided that before execution of this work by CPWD, the consultation of Chief Architect CPWD may be obtained for the work.</p> <p>(XI) 16.18 It was decided that the Chief Architect, CPWD should be requested to complete the work of master plan fast so that the roads for widening in the Institute are earmarked and accordingly cost estimate be putup in the BWC meeting.</p> <p>Further, it was explained in the meeting that under this item there is an urgent need of re-surface of roads in the residential area as these work resurfaced about 7 to 8 years ago and further, delay may worsen their conditions more. It was decided that the cost estimate for the above cited work may be obtained from</p>	
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		<p>CPWD and the same be put up in the next BWC for approval.</p> <p>(XII) 16.19 This item was taken as separate agenda item No. 18.5. Before approving it was resolved that this building may be constructed upto six stories instead of four storey by adding faculty rooms / chamber at one floor and laboratories and tutorial rooms at another floor.</p>	
18.3	<p>To report the action taken on the minutes of the 17th meeting of the Building & Works Committee held on 27-06-2013.</p>	<p>(I) 17.1 Action taken report for this item has been detailed under agenda Item No. 18.1.</p> <p>(II) 17.2 Action taken report has been detailed under Agenda Item No. 18.2</p> <p>(III) 17.3 The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. The Executive Engineer assured the house that this work will be started very shortly.</p> <p>(IV) 17.4 The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. Er. Varun Kumar Executive Engineer (Civil), CPWD Karnal committed the house to give presentation on plan of water supply distribution system of the Institute within 15 days and to start execution of the work within 30 days after presentation.</p> <p>(V) 17.5 The completion certificate alongwith letter of inspection will be given by CPWD in this week and final inspection of this work and various other completed works will be carried out within one week.</p>	Actions taken

		<p>(VI) 17.6 The revised estimated cost has been received from CPWD and the same will be put up to the Chairman, BWC for approval.</p> <p>(VII) 17.7 It was decided in the 17th meeting of B&WC that the comprehensive cost estimate for the balance work of providing of vitrified floor tiles and wall tiles in all faculty chambers/labs of all the Departments be taken up. The CPWD has submitted the cost estimate for providing of vitrified floor tiles in Electrical and Chemistry Department only. It was decided that the comprehensive cost be obtained from CPWD and be put in the next B&WC.</p> <p>(VIII) 17.8 The cost estimate has been received from CPWD and the same be put up to the Chairman, B&WC for approval.</p>	
18.4	To consider and approve the Cost Estimate for Provision of staircase in BA, BB, BC, CA, CB & CC Type residential houses in campus to facilitate the maintenance works at roof top at NIT, Kurukshetra.	The Building & Works Committee considered and approved the cost estimate for an amount of Rs 13,32,500/- (Rupees thirteen lac thirty two thousand five hundred only) for the Provision of staircase in double storey houses BA, BB, BC, CA, CB & CC Type residential houses.	Action taken
18.5	To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.	The Building & Works Committee considered the necessity of additional requirements of Class Rooms & Faculty Chambers and resolved that revised proposal for six storey building for four schools and class/tutorial rooms and faculty chambers be	Cost estimate has been received from CPWD and placed as a separate agenda vide item no 19.5

		obtained from CPWD. Executive Engineer CPWD, Karnal agreed to provide revised cost estimate by 1 st week of January-2014. Further B&WC authorized the Chairman, B&WC to approve the revised cost estimate.	
18.6	To consider & approve the cost estimate for providing audio system in Board Room, Golden Jubilee Administrative Building at NIT, Kurukshetra.	The members deliberated on the proposal vis-à-vis the modern developments in Audio Systems. It was resolved that the revised cost estimate for Audio System along with boundary mikes and lighting control with seam selection be provided by CPWD and the same be submitted to the Chairman, BWC for its approval.	Revised cost estimate has been received from CPWD and placed as a separate agenda vide item no.19.11
18.7 (Tabled Item)	To consider & approve the revised scope of work and cost estimate for the work of Providing & Installation of 16/20 meter High Mast Light at Sports Ground and various other location at NIT, Kurukshetra (A/A &E/S accorded and conveyed to CPWD).	The matter was deliberated in detail considering the proposal of Superintending Engineer (Electrical), CPWD regarding reduction in the electricity bill and avoidance of light pollution. After the deliberations the members resolved that the scope of work be modified to install low wattage LED flood lights instead of metal halide and this change in scope of work be placed before the FC & BOG for approval. It was also resolved that the modified scope of work will be completed within the sanctioned amount without any additional cost.	A/A & E/S has been accorded to CPWD.

Item No. 19.3

To consider & approve the cost estimate for Construction of Additional Examination Hall (G+3) at NIT, Kurukshetra

The matter regarding construction of additional Examination Hall in the Institute was discussed in the High Power Committee in its meetings held on 12.6.13 and 12.7.13. It was decided that there is requirement of additional Examination Hall due to increase in intake of students. Executive Engineer, CPWD, Karnal has submitted the cost estimate amounting to Rs. 13,68,10,300/- for Construction of Additional Examination Hall (G+3) at NIT, Kurukshetra

The Building & Works Committee may consider and approve the cost estimate for the above cited work for an amount of Rs. 13,68,10,300/-

Subject: Minutes of High Power Committee meeting held on 12-06-2013 to discuss various issues related to development/construction works under Estate Section/construction cell.

A meeting of High Power Committee was held on 12-06-2013 at 11:00 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

1.	Dean (P & D)	Chairman
2.	Dean (Estate)	Member
3.	Prof. I/C (S&C)	Member
4.	Prof. I/C (E&C)	Member
5.	Prof. I/C (EM)	Member
6.	Executive Engineer	Member Convener
7.	J.E. (C)	Special Invitee

Following issues were discussed and resolved as under:

1. **Providing Property counter Facility for students & Expansion of Library Building.**

The matter was discussed and it was decided that the library building be extended in vertical/horizontal direction in order to accommodate increased student strength. Property counter be also provided in the library.

2. **Additional Speed Breakers & Night fixtures on the road to guide user.**

It was decided that additional speed breakers be provided at suitable places in the Institute.

3. **Approval of Architectural Drawings for the following works.**

(i) **Construction of 3 Storey bearer barrack comprising of 2 Blocks to accommodate 96 bearers at NIT, Kurukshetra.**

The drawing submitted by the Chief Architect, CPWD to accommodate 120 bearers was approved.

(ii) **Construction of 600 seater Girls Hostel (Multi-Storeyed framed Structure (Ground Floor+5) at NIT, Kurukshetra.**

The Drawings were discussed in detail and Architectural Drawings were approved.

(iii) **Construction of 2 nos. new Main Gates at NIT, Kurukshetra.**

Drawing submitted by Chief Architect was approved for Gate No. 1. Drawing for Gate No.-2 (KUK side) is still to be submitted by the Architect, CPWD.

4. **Provision of Additional houses for Faculty & Non-Teaching Staff.**

- Additional 40 nos. houses for Professor & Associate Professor near existing 20 Nos. Prof. & 20 nos. Asstt. Prof. Houses be constructed.

- Assistant Professor houses be constructed in front of Hostel No. 4 & 5 in the available vacant space. In the mean time teacher flats under CCE & EC be transferred to Estate Section and allotted to new faculty at a monthly rent of Rs. 250/-. Also, Chief Warden be requested to set aside 100 rooms in Mega Boys Hostel for the purpose of giving accommodation to the newly recruited faculty.

- Additional E & F type houses be constructed for Non-Teaching faculty.

5. **Provision of Office Chamber for Faculty & Additional Lecture/Tutorial rooms.**

The matter was discussed & it was decided that new office chambers for faculty & Additional Lecture/Tutorial rooms be constructed on back side of MBA/MCA Block.

6. Provision of Additional Examination Hall.

The matter was discussed and it was decided to construct new Examination Hall behind the existing Examination Hall. At the same time a third storey be constructed on the existing Examination Hall.

Meeting ending with the thanks to the Chair.

(A.L. Kamboj)
Executive Engineer

(Lalit Kumar)
J.E. (C)

(S.K. Patidar)
Prof. I/C (S&C)

(Ashwani Jain)
Prof. I/C (E&C)

(Ashwani Sharma)
Prof. I/C (EM)

(V.K. Arora)
Dean (P&D)

(K.K. Singh)
Dean (Estate)

Submitted for approval of

(i) works planned under item Nos. 1, 4, 5 & 6
to obtain cost estimates of these works from CPWD/
Estate section of the Institute to be used in later
for Building works committee meeting agenda item 1.

(ii) Item No. 2 for Estate section to
execute the work.

(iii) Item No. 3 for information to handle
Director related to ongoing works approved
by 15th B.M.C.

Registrar

Director

Approved, except (2)

Dean (Estate)

for n.g. as in A.K. 25/7/13
27/8/13
for n.g. as in A.K. 25/7/13

Subject: Minutes of High Power Committee meeting held on 12-07-2013 to discuss various issues related to development/construction works under Estate Section/construction cell.

A meeting of High Power Committee was held on 12-07-2013 at 11:30 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

- | | | |
|----|-----------------|-----------------|
| 1. | Dean (P & D) | Chairman |
| 2. | Dean (Estate) | Member |
| 3. | Prof. I/C (E&C) | Member |
| 4. | Prof. I/C (H&I) | Member |
| 5. | Asstt. Engineer | Special Invitee |
| 6. | J.E. (C) | Special Invitee |
| 7. | J.E. (E) | Special Invitee |

Following issues were discussed and resolved as under:

1. To finalize the space requirement & other facility to be provided for 300 seater Multi-purpose Boys Hostel including 100 suits for foreign students, research scholars and married PG Students. (Multi-storeyed framed structure):

(a) 200 seater boys hostel - Accommodation as per norms.

(b) 100 nos. for foreign students, research scholars married students. The matter was discussed and it was resolved that accommodation should provide kitchen, living room, attached bathroom and drawing room.

2. Finalization of Master Plan for the Institute details of existing facility, future requirement of residential non-residential & sports amenities. The matter was discussed and it was proposed that the space for various newly planned building in future be as under:

Sr. No.	Name of work	Proposed location
1	Gymnasium Hall	Near Swimming Pool
2	Community Centre	Amla Bagh.
3	Convocation Hall	Back side of Hostel No. 1 & 2.
4	Teaching Club	Amla Bagh
5	300 seaters multi-purpose boys hostel	North of Mega Hostel
6	Non-Teaching Club	West side of CC-type
7	Married bearer accominodation	In continuation of bearer barracks
8	Kendriya Vidhyalaya	Back side of Hostel No. 1&2.
9	Rose Garden	Close to STP
10	Examination Hall	East of existing Examination Hall
11	Market expansion	North of existing
12	Faculty Offices, lecture rooms, tutorial rooms	Single multi-storey complex west of MBA/MCA building.
13	Training and placement building	North-East of LHC
14	New research school building	East of LHC
15	Expansion of existing department	South of MBA/MCA building, on the other side of main drain
16	Faculty residences	Professor and Associate Professor similar 6 storey complex north of existing, Assistant Professor & Chanderlok.
17	Non-Teaching residences	Back side of F-Type Houses
18	33kv sub-station	Back side of Hostel No. 1&2
19	Solar power plant	Near STP - R.W. In front of existing
20	Students canteen	In New Market complex.
21	Expansion of students activity centre	Adjacent to existing.

3. Shifting existing fencing in-front of Hostel No. 4 & 5, 15'-20' towards the hostel side.

The existing fence in-front of Hostel No. 4 & 5 be shifted inside side by 15-20 feet as per site requirements for widening of road.

Subject: Minutes of High Power Committee meeting held on 12-07-2013 to discuss various issues related to development/construction works under Estate Section/construction cell.

A meeting of High Power Committee was held on 12-07-2013 at 11:30 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

- | | | |
|----|-----------------|-----------------|
| 1. | Dean (P & D) | Chairman |
| 2. | Dean (Estate) | Member |
| 3. | Prof. I/C (E&C) | Member |
| 4. | Prof. I/C (H&L) | Member |
| 5. | Asstt. Engineer | Special Invitee |
| 6. | J.E. (C) | Special Invitee |
| 7. | J.E. (E) | Special Invitee |

Following issues were discussed and resolved as under:

1. To finalize the space requirement & other facility to be provided for 300 seater Multi-purpose Boys Hostel including 100 suits for foreign students, research scholars and married PG Students. (Multi-storeyed framed structure):
 - (a) 200 seater boys hostel - Accommodation as per norms.
 - (b) 100 nos. for foreign students, research scholars married students. The matter was discussed and it was resolved that accommodation should provide kitchen, living room, attached bathroom and drawing room. *The above should be constructed with parking facility between two*
2. Finalization of Master Plan for the Institute details of existing facility, future requirement of residential non-residential & sports amenities. The matter was discussed and it was proposed that the space for various newly planned building in future be as under:

Sr. No.	Name of work	Proposed location
1	Gymnasium Hall	Near Swimming Pool
2	Community Centre	Amla Bagh.
3	Convocation Hall	Back side of Hostel No. 1 & 2.
4	Teaching Club	Amla Bagh
5	300 seaters multi-purpose boys hostel	North of Mega Hostel
6	Non-Teaching Club	West side of CC-type
7	Married bearer accommodation	In continuation of bearer barracks
8	Kendriya Vidhyalaya	Back side of Hostel No. 1&2.
9	Rose Garden	Close to STP
10	Examination Hall	East of existing Examination Hall
11	Market expansion	North of existing
12	Faculty Offices, lecture rooms, tutorial rooms	Single multi-storey complex west of MBA/MCA building.
13	Training and placement building	North-East of LHC
14	New research school building	East of LHC
15	Expansion of existing department	South of MBA/MCA building, on the other side of main drain
16	Faculty residences	Professor and Associate Professor similar 6 storey complex north of existing, Assistant Professor & Chanderlok.
17	Non-Teaching residences	Back side of F-Type Houses
18	33kv sub-station	Back side of Hostel No. 1&2
19	Solar power plant	Near STP - <i>Road side of existing</i>
20	Students canteen	In New Market complex.
21	Expansion of students activity centre	Adjacent to existing

3. Shifting existing fencing in-front of Hostel No. 4 & 5, 15'-20' towards the hostel side.
The existing fence in-front of Hostel No. 4 & 5 be shifted inside side by 15-20 feet as per site requirements for widening of road.

Subject: Minutes of the Meeting held on 17-12-2013 with CPWD officers/officials.

A meeting was held in the office of Dean (Estate) on 17-12-2013 to review & discuss the various issues related to works allotted & likely to be allotted to CPWD.

Following were present.

1. Dean (Estate)
2. Executive Engineer, Construction Cell
3. Asstt. Engineer (C), NIT, Kurukshetra
4. J.E. (C), NIT, Kurukshetra
5. J.E. (E), NIT, Kurukshetra
6. Chief Architect, CPWD, Chandigarh
7. Executive Engineer (Civil), CPWD, Karnal
8. Executive Engineer (Elect.), CPWD, Karnal
9. A.E. (Civil & Electrical), CPWD
10. J.E. (Civil & Electrical), CPWD

Following issues were discussed and resolved as under for preparation of master plan, architectural drawings and cost estimate of the buildings as well as suitable location for the structure by the CPWD:

1. **Scope of work for Convention Hall.**
Convention Hall should have centralized A.C. and with the following facilities:
 - (i) Main Hall - 3000 seater
Medium Hall - 150 seater (2 nos.)
Small Hall - 75 seater (4 nos.)
 - (ii) Cafeteria, Dining Hall 2000 capacity.
 - (iii) Tea lounge for each hall.
2. **Scope of work for Multipurpose Hall**
Multipurpose hall should be Non A.C. and with the following facilities:
 - (i) Gymnasium Hall - 2 nos. each of 200 capacity completely equipped.
 - (ii) Meditation Hall/Yoga hall- 1 no. of (200 capacity).
 - (iii) Indoor hall: With the provisions of the following:
 - Badminton court - 4 nos.
 - Squash courts 01/02
 - Space for indoor games such as Table Tennis, billiards, carom board, chess etc.
 - (iv) Changing Rooms - 2 nos., toilets
 - (v) Office rooms - 2 nos., store room
3. **Scope of work for Community Centre**
 - (i) Multi-purpose hall should have central A.C. with following facilities:
 - Big hall for Marriage/ Cultural Activities
 - Guest rooms - 10 nos.
 - Green room - 2 nos.
 - Store room - 2 nos.
 - Kitchen - 2 nos.
 - Dining Hall
 - Toilet block
 - (ii) Teaching/Non-Teaching clubs one hall for each.
 - (iii) Cafeteria 2 nos.
 - (iv) Office rooms - 2 nos., store & toilet
 - (v) Parking area and open garden.
4. **Scope of work for Extension of Existing Examination Hall and Construction of Additional Examination Hall**
 - Provision of additional 3rd floor on existing Examination Hall after assessing feasibility.
 - Construction of new multistory Examination Hall (600 capacity) with the provision of strong room, Superintendent room (30 capacity), pantry, toilet on each floor.
 - Examination Hall should be non A.C.
5. **Scope of work for building of 4 nos. PG Schools**
Ground - 3rd Floor
with the following facilities at each floor:
 - Class room 4 nos. (60 capacity)
 - Labs 2 nos. (30 capacity)
 - Conference room 1 no. (60 capacity)
 - Office room for staff 1 no.
 - HOD room 1 no.
 - Personal Secretary room 1 no.
 - Faculty/ RS room 10 nos.

4th - 5th floor.

Seminar room 2 nos. (300 capacity)

Class room 8 nos. (150 capacity)

Tutorial room 20 nos. 60 capacity

Faculty/ RS room - 40 nos.

Addition & Alteration in Director Residence A-I & Construction of Faculty/ Officers & other non-teaching employees. As per latest norms of Ministry of Urban Development (i.e. as per fixed pay & Grade pay) Residences be made multi-storied. Details of Pay band & Grade pay is provided below for architectural drawings:

Director's fixed pay 75000 + 5000 special allowance - VII (A) type
Faculty/ Officers - PB4 with Grade pay 10000 & above = VI type houses 70 nos.
PB3 with Grade pay 7600 & above = V type houses 100 nos.
PB2 with Grade pay 4200 - 4800 = III type houses 20 nos.
PB2 with Grade pay 1900-2800 = II type houses 20 nos.

Expansion of Student Activity Centre - Requirement to be given later

Student Canteen - Location was identified near Student Activity Centre

Faculty Room - Total 250 nos. faculty chambers required

80 nos. in School building.

Remaining 170 nos. faculty chambers at suitable locations keeping in view proximity with the departments.

Preparation of Master Plan

Master plan should include following also:

Widening/Extension of roads- as per 50 years future requirement.

Provision for all service lines i.e. water supply, firefighting, use of recycled water for Horticulture, electricity, cables/internet, sewer line & storm water drains be given in the master plan.

Location of lifts

The following locations were identified for lifts:

One lift in between the connecting corridor of the Old Admn. Block & Electrical Engg. Block.

One lift in between the connecting corridor of LHC & New workshop building.

One lift in MBA/MCA Block in the courtyard, opposite to the stair case towards left hand side of the entrance.

One lift in the centre of open courtyard of library along with connecting corridors on both sides to 1st floor.

One lift in the Computer Engineering Department near stair case on the left hand side of the corridor.

One lift in the CCN Building near stair case towards right hand side of entrance hall.

Extension of corridor towards southward: The Chief Architect was requested to suggest architecturally best suited extension of existing corridor towards southward direction connecting LHC & MBA/MCA building.

Any other item

Under any other item following items were also discussed & decided:

Hall of 500 students capacity for T&P Cell be constructed in the back of existing old Admn. Block for conducting online examinations.

Landscaping design of the existing parks/lawn in front & adjacent to the old Admn. Block be provided by Chief Architect at the earliest.

ended with thanks to the chair.

Executive Engineer

H.E. (Civil)

J.E. (Elect)

J.E. (Civil)

Chair (Estate)

The minutes are forwarded for your kind perusal & suggestions on any of the same, before these minutes are communicated to CPWD for n.a.
for kind approval
3/2/14
Suggestions made in nature & incorporated during architectural

Phone : 0172-2749515
Fax : 0172-2741673
e-mail : eehqepwdehd@yahoo.co.in
eenzlepwd@yahoo.in

कार्यालय मुख्य अभियंता (उ अ . 1)
केन्द्रीय लोक निर्माण विभाग,
केन्द्रीय सदन, सैक्टर 9-ए,
चण्डीगढ़ - 160009



Office of the Chief Engineer (NZ-1)
Central Public Works Department,
Kendriya Sadan, Sector 9-A,
Chandigarh-160009

संख्या: 23(390)/अ०अभि०(यो०)/का०अभि०(यो०)।/ ५५७

दिनांक: 12/2/18

सेवा में, Director,
National Institute of Technology
Kharagpur (Haryana)

विषय:- C/O Additional Examination Hall (G-13) at
ICMR, Patna (Haryana)

महोदय ,

मुझे सक्षम अधिकारी के प्रशासनिक अनुमोदन एवं व्याग स्वीकृति के लिए रु० 13,68,19,300/- (रुपए) 13,68,19,300/-

Three Sixty Eight Lac Ten Thousand and Three Hundred

_____ भाग) के प्रारम्भिक अनुमान दो प्रतियों में भेजने का निर्देश हुआ है। कार्य की आवश्यकता और अनुमान के प्राप्ति की रिपोर्ट में दर्शाया गया है। अनुदेश है कि कार्य की संजुरी भेजते समय "लेखा शीर्ष" जिसके अंतर्गत व्यय किया जाना है सूचित किया जाए।

संलग्न:- प्रारम्भिक अनुदान । दो प्रतिधों में ।

प्रतिलिपि:-

ChemdiGisch

1. अधीक्षण अभियंता _____ केन्द्रीय परिमंडल, केन्द्रीय लोक निर्माण विभाग, Chandigarh
2. वरिष्ठ वास्तुगुरु (नं० अ० - 1) : केन्द्रीय लोक निर्माण विभाग, केन्द्रीय सदन, सैक्टर 9-ए, चण्डीगढ़।
3. अधीक्षण अभियंता (नं०) : चण्डीगढ़ केन्द्रीय विद्युत परिमंडल, केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़।
4. कार्यपालक अभियंता : डिजाईन : कार्यालय मुख्य अभियंता : (उ अ - 1) : केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़।
5. कार्यपालक अभियंता (नं०) Karnal केन्द्रीय विद्युत मंडल, केन्द्रीय लोक निर्माण विभाग, Karnal।
6. कार्यपालक अभियंता Karnal केन्द्रीय मंडल, केन्द्रीय लोक निर्माण विभाग, Karnal।
7. अधीक्षण अभियंता (मु०) : कार्यालय मुख्य अभियंता : (उ अ - 1) : केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़। को history sheet सहित WBPMIS में सम्मिलित करने हेतु।

कार्यपालक अभियन्ता (वी) ।

~~Dean (Estate)~~

10/2/14

21/2/14
Pw/AC (6-2-1)
AP/AC
Stump
1/2/14
21/2/14
UEV/SA

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE : HARYANA

DIVISION: KCD

BRANCH: B & R

Name of Work:- C/o Additional Examination Hall (G+3) at NIT, Kurukshetra (Haryana).

Major Head	Minor Head	Detailed Head
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This preliminary estimate has been framed by Er. Varun Kumar, Executive Engineer, Karnal Central Division, CPWD, Karnal and further processed by Er. Sunil Kumar, Executive Engineer(P)I, O/o CE(NZ-I), CPWD, Chandigarh for the probable cost of ₹ 13,68,10,300/- i/c 3% contingencies.

REPORT

HISTORY: This Preliminary Estimate amounting to ₹ 13,68,10,300/- i/c 3% contingencies has been framed to cover probable cost of the above noted work for obtaining A/A & E/S from the Competent Authority. The requisition for the above work has been received from NIT vide letter No. CC/294/12584 Dated. 10.12.2013 at Sr. No. 10 (i) & (ii) by constructing (G+2) storeyed Additional Examination Hall Building and One Additional floor are existing Examination hall. But no architectural and structural drawings of already constructed (G+1) storeyed Examination hall building are available with the client department. Hence, the preliminary estimate for the proposed (G+3) Additional Examination Hall has been framed to obtain A/A & E/S from the competent Authority.

DESIGN & SCOPE: The estimate is based on already constructed Examination Hall at NIT, Kurukshetra. No architectural drawings has been issued by the Chief Architect(NR-I), CPWD, Chandigarh.

Following provisions have been made in this estimate:

- (1) **Foundation:** RCC foundation at approx. depth of 1.5m depth below existing ground level.
- (2) **Super structure:** RCC framed structural with filler walls fly ash bricks/AAC Blocks.
- (3) **Doors & Windows:**
 - i) **Frames:** Polyester powder coated aluminium doors & windows.
 - ii) **Door Shutters:** Polyester powder coated aluminium shutters with reflective glass coated panelling wherever required.
 - iii) **Window & Shutter:** Polyester powder coated Z-section aluminium frames and shutters with reflective glass coated panes and stainless steel wire mesh wherever required.
 - iv) PVC door frames & shutters in toilet block.
- (4) **Floorings:** Pre-polished granite floorings in main entrance hall and granite flooring in corridor, stair halls, toilet block etc. Mat finished vitrified tiles in office rooms.
- (5) Rest of the area with kota stone flooring.
- (6) **Railing:** Stainless steel railing.
- (7) **Roofing:** Coba treatment over RCC roof slab.
- (8) **False ceiling:** False ceilings in office area & toilet blocks to cover the services
- (9) **Finishing:**
 - i) **External:** Water proofing weather coats painting over white cement based putty and ACP cladding in front of building.
 - ii) **Internal:** Acrylic emulsion paint over white cement based putty in Entrance Hall & offices etc.
- (10) **Sanitary installation:** White vitreous china sanitary installations in toilet blocks.
- (11) **Water supply:** Stainless steel water supply lines in toilet blocks and CP brass sensor fittings in toilet blocks.

- (12) **Electrical Installation:** Provision for internal electrical installation, power wiring, telephone conduits, computer conduits, occupancy sensor, Lifts of 13 passenger, Wet Riser Fire System, Fire Alarm System, DG set, Compound & landscape lighting with LED fixtures, exit sign board, Sub-station, Solar Energy system and Water Cooler, Projection, Display & Sound System have been taken.

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

RATE: Based on PAR 2012 plus cost index and market rates.

COST: ₹ 13,68,10,300/- i/c 3% contingencies

T&P: No T & P is required.

LAND: Available with client department.

W.C. ESTT: Shall be met out of 3% contingencies.

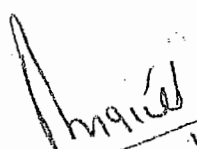
METHOD: Through contract after call of tender.

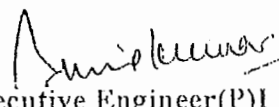
TIME: After receipt of A/A & E/S:

(i) For Pre-construction activities = 06 Months

(ii) For execution = 24 Months

Total 30 Months



Assistant Engineer (P)
CPWD, Chandigarh.



Executive Engineer(P)
CPWD, Chandigarh.



6. The matter of providing Temporary & Permanent Security Huts at various locations of the Institute was discussed. It was decided to construct 9 permanent huts with washroom facility and 6 temporary huts. Further, furniture, telephone, fan/light facility be provided to the security personnel.
7. It was decided that a peripheral road along the boundary wall of the institute be constructed for security and maintenance purpose. An agenda for the same be taken to B&WC for approval.
8. It was decided to principally approve the proposal of bulk supply connection in residences in the campus and street light similar to institutional area.
9. There is a need to revise House Allotment Rules for faculty and non-faculty due to construction of 20 Nos. Prof. & 20 Nos. Asstt. Prof. Multi Storeyed staff Houses & restructuring of positions of non-teaching employees. Hon'ble Director be requested to constitute a committee for the purpose.
10. The committee decided that the parking sheds removed from Guest House be re-fixed in Health Centre and existing parking sheds be shifted suitably.
11. The committee discussed and approved paving of parking area of Health Centre by interlocking paver blocks.
12. There is a need of providing parking sheds for vehicles in the parking area of Golden Jubilee Administrative Building. The committee approved the same and decided to reserve parking lots for Deans & officers.
13. Swimming Pool constructed by CPWD is in the process of being taken over. Further, it shall be handed over to the sports section of the Institute after rectification of defects by CPWD. President Sports was requested to move the case of engagement of coach & life guards for functioning of the Swimming Pool.
14. It was decided to provide intercom telephone connection at all the residences of faculty & officers of the Institute.
15. Defect liability maintenance period of lifts in Golden Jubilee Administrative Building has already expired & for the lifts in Mega Boys Hostel will expire on 31-08-2013. Periodical maintenance of lifts is essential for smooth operation of the lifts. Hence, it was decided to award annual maintenance contract to a Company/Agency for proper maintenance & operation of lifts.
16. It was also decided that construction of a small stretch of road to residences of Health Centre be executed through CPWD chargeable to construction of parking lots.
17. Provision of connectivity from Director Office to Board Room in Golden Jubilee Administrative Building.

Meeting ending with the thanks to the Chair.


(A.L. Kamboj)
Executive Engineer

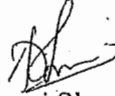

(S.N. Kaushik)
A. E. (Civil)


(Lalit Kumar)
J.E. (C)



(Satinder Pal)
J.E. (E)

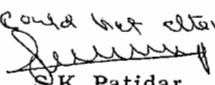

(Ratna Dahiya)
President Sports (Girls)

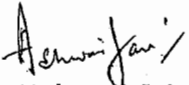
(on leave)
P.C. Tiwari
President Sports (Boys)

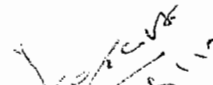

(Ashwani Sharma)
Prof. I/C (EM)

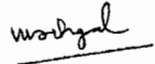
(on leave)
(Anil Dahiya)
Prof. I/C(H&L)

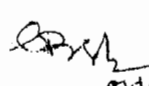

(K.K. Singh)
Dean (Estate)


S.K. Patidar
Prof. i/C (S&C)


(Ashwani Jain)
Prof. I/C (E&C)


(V.K. Arora)
Dean (P&D)


(V.K. Sehgal)
Dean (FW)

Registrar

05/06/13

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
चण्डीगढ़ केन्द्रीय परिमण्डल
केन्द्रीय सदन, सैक्टर-9ए, चण्डीगढ़-160009

E0/DP.No. 13
20/01/14

संख्या:-च.के.परि./23(4515)नि.3/119

दिनांक:- 10/1/14

सेवा में,

The Registrar,
National Institute of Technology,
Kurukshetra (Haryana).

विषय:- Provision of water proofing treatment of existin terrace/mud phaska and
concreting/repair of parapet, coping and balconies and plasting of
external walls in teaching and non-teaching houses at NIT, Kurukshetra.

महोदय,

उपरोक्त कार्य का 2,29,78,500/- रुपये राशि का प्रारम्भिक अनुमान इसके साथ दो
प्रतियों में संलग्न किया जाता है। इस कार्य के लिए आवेदन आपके पत्र संख्या: during in progress review
meeting held on dated 21-11-2013 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 (हेड ऑफ अंकाउंट) का नाम
भी उल्लेख करने की कृपा करें।

संलग्न: अनुमान दो प्रतियां।

भवदीय

अधीक्षण अभियंता,
Telefax : 2743923

प्रतिलिपि: -

- 1 मुख्य अभियंता (उ.अं-1), के.लो.नि.वि., केन्द्रीय सदन, सैक्टर-9/ए, चण्डीगढ़।
- 2 कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की एक
प्रति सहित।

अधीक्षण अभियंता

Defn Estate
20/1/14

Prof. M. C. (EAC)
27/1/14
29/1/14
XEN/AEC

N.I.T. KURUKSHETRA				
Dy. No.	172	Date	13/1/14	
R	DPD	DA	DD	CCV
E	M		CC	
PA	CW		SW	
CA	CCN		PC	
IA	AO		SC	

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: HARYANA

DIVISION: KARNAL CENTRAL

BRANCH: B&R

Name of work :- Provision of water proofing treatment of existing terrace/mud phaska and concreting/repair of parapet, coping and balconies and plastering of external walls in teaching and non-teaching houses at NIT Kurukshetra.

Major Head:

Minor Head:

Detailed Head:

This preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Divn, CPWD, Karnal and further processed by Er. R.K. Gandhi, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh of the probable cost of Rs.2,39,78,500/- i/c 3% contingencies.

REPORT

History: This preliminary estimate amounting to Rs. 2,39,78,500/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work for accord of A/A & E/S of the competent authority. The requisition of the above work has been received from NIT in Progress Review Committee Meeting held on dated 21-11-2013. Hence preliminary estimate has been framed to obtain A/A & E/S of the competent authority.

Design & Scope:

Following provision has been made in the estimate:-

- 1 Crazy ceramic tile flooring over mud phaska.
- 2 Regarding terracing of mud phaska covered with brick tiles.
- 3 Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter.
- 4 12mm cement plaster on all external walls.
- 5 15mm cement plaster inside parapet wall etc.
- 6 Repair to plaster in patches.
- 7 Premium Acylic Smooth exterior paint on external walls.
- 8 Painting of Doors, Windows etc..

Specifications:

As per CPWD specification 2009 Vol-I to II. with up to date correction slips.

Rate:

As per DSR- 2013.

Amount:

Rs. 2,39,78,500/- i/c 3% contingencies.

W.C.Estt.:

Shall be met out of contingencies.

T&P:-

Shall be arranged by the contractor.

Land:


Available.

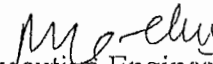
Method:

By contract after call of tenders.

Time allowed:

06 Months after receipt of A/A & E/S.


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


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

SCHEDULE OF QUANTITIES

Name of Work : - Provision of water proofing treatment of existing terrace/mud phaska and concreting/repair of parapet, coping and balconies and plastering of external walls in teaching and non-teaching houses at NIT, Kurukshetra.

Item	Description of Item	Qty.	Unit	Rate	Amount	DSR item
	<u>SH:- EARTH WOTRK</u>					
1.1	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.					2.26
1.1.1	All kinds of soil	556.00	cum	41.75	23213.00	2.26.1
	<u>SH:- CONCRETE WORK</u>					
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	4.00	cum	4921.70	19687.00	4.1.3
	<u>SH:- FLOORING</u>					
3.1	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement , all complete as per direction of Engineer-in-charge.	18330.00	sqm	407.15	7463060.00	11.44
	<u>SH:- ROOFING</u>					
4.1	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	529.00	each	37.25	19705.00	12.44
	<u>SH:- FINISHING</u>					
5.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					13.2
5.1.1	1:6 (1 cement: 6 fine sand)	8550.00	sqm	154.70	1322685.00	13.2.2
5.2	12 mm cement plaster of mix :					13.4
5.2.1	1:4 (1 cement: 4 coarse sand)	29885.00	sqm	153.85	4597807.00	13.4.1
5.3	6 mm cement plaster of mix :					13.16
5.3.1	1:3 (1 cement : 3 fine sand)	1250.00	sqm	120.35	150438.00	13.16.1

Item	Description of Item	Qty.	Unit	Rate	Amount	DSR item
5.4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :					13.47
5.4.1	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)	49160.00	sqm	90.00	4424400.00	13.47.1
	<u>SH:- REPAIRS TO BUILDING</u>					
6.1	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 within 50 metres lead :					14.1
6.1.1	With cement mortar 1:4 (1 cement : 4 fine sand) .	500.00	sqm	221.15	110575.00	14.1.1
6.2	Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster, preparing the surface of mud phaska to proper slope, relaying mud plaster gobri leaping and tiles or bricks, grouted in cement mortar 1:3 (1 cement : 3 fine sand), ncluding replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded) within 50 metres lead.	7370.00	sqm	253.15	1865716.00	14.13
6.3	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground within 50 metres lead.	29300.00	sqm	24.00	703200.00	14.17
6.4	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.	42000.00	sqm	9.00	378000.00	14.46
6.5	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :					14.54
6.5.1	One or more coats on old work	4800.00	sqm	41.35	198480.00	14.54.1
	<u>SH:- DISMANTLING & DEMOLISHING</u>					
7.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.					15.2
7.1.1	Nominal concrete 1:3:6 or richer mix (l/c equivalent design mix)	65.00	cum	806.35	52413.00	15.2.1

Item No. 19.5 To consider & approve the cost estimate for Construction of Multi-storey building for four schools for PG study & Research and class /tutorial room and faculty chambers at NIT, Kurukshetra.

The preliminary estimate for construction of school building training & placement cell (basement and G+3) submitted by Chief Engineer (NZ-I), CPWD, Chandigarh for amounting to Rs. 35,66,43,200/- was put up before the Building & Works Committee in its 16th meeting vide item No. 16.19 held on 19-11-2012. The Building & Works Committee resolved that above agenda item be deferred till the next meeting of B&WC, so as to place a revised cost estimate which excludes provision of basement. Accordingly Executive Engineer (Civil) & (Elect.) CPWD, Karnal were intimated vide letter No. CC/289 dated 20/21-12-2012 to provide revised cost estimate for construction of multi-storey building for schools for PG study & Research scholars without basement at NIT, Kurukshetra vide item No. 16.19. Chief Engineer (NZ-I) CPWD, Chandigarh submitted the revised cost estimate for construction of school building, training & placement cell at NIT, Campus, Kurukshetra for amounting to Rs. 30,22,94,900/- and the same was put up before the Building & Works Committee in its 18th meeting held on 09-12-2013 vide item No. 18.5. The Building & Works Committee considered the necessity of additional requirement of class rooms & faculty chambers and resolved that revised proposal for six storey building for four schools and class/tutorial rooms and faculty chambers be obtained from CPWD. B&WC authorized the Chairman, B&WC to approve the revised cost estimate. Accordingly, Chief Engineer (NZ-I) CPWD, Central Circle, Kendriya Sadan, Chandigarh was intimated vide letter No. CC/3517/113/5390 dated 25/28-07-2014 to provide the revised cost estimate for construction of multi-storey building for four schools for PG study & Research at NIT, Kurukshetra. Chief Engineer (NZ-I), CPWD, Central Circle, Kendriya Sadan Chandigarh has submitted revised cost estimate for amounting to Rs 122,95,32,700/- vide letter No. 23(390)CE(P)CC(P) I/915 dated 16-07-2014 for

necessary Administrative Approval & Expenditure Sanction for multi-storey building for four schools for PG study & Research at NIT, Kurukshetra.

The Estate Affairs Committee in its meeting held on 23-07-2014 decided to request CPWD to re-examine the cost estimate it being on very high side. The CPWD vide letter No. 23(390)/SE (P)//EE(P)/1084 dated 27-08-2014 has intimated that the cost of preliminary estimate can not be reduced. Keeping in view the provision made in the estimate for the superior class specifications and modern amenities and considering the complexity of multistoreyed RCC framed structure proposed to be constructed at Kurukshetra which falls under Seismic Zone-IV".

In view of the huge escalation in cost estimate due to changes in architectural drawings and design, a fresh agenda item has been prepared reflecting the increase in scope of work.

The Building & Works Committee may consider & approve the cost estimate amounting to Rs. 122,95,32,700/- for the above cited work.

- 16.16 To consider & approve the Cost Estimate for covering of Newly Constructed Graded seating arrangement for 2000 persons in Open Air Theatre at NIT, Kurukshetra.

The Building & Works Committee approved the Cost Estimate of Rs. 305.60 lacs for covering of Newly Constructed Graded seating arrangement for 2000 persons in Open Air Theatre at NIT, Kurukshetra.

- 16.17 To consider & approve the Cost Estimate for Provision of lifts for persons with disabilities (PwD) at various locations in the Institute.

The Building & Works Committee approved the Cost Estimate of Rs. 262.87 lacs for Provision of lifts for persons with disabilities (PwD) at various locations in the Institute.

Further, it was resolved that an agenda item be brought in the next B&WC meeting for consideration for the provision of lifts/ramps/hydraulic platform in left out areas of the instructional buildings, guest house and hostels etc.

- 16.18 To consider & approve the Cost Estimate for Widening & strengthening of existing roads at NIT, Kurukshetra.

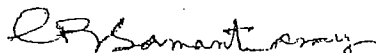
The Building & Works Committee deferred the above agenda item for revision of cost estimate so as to include the expenditure for shifting of electric poles to the central verge of roads.

- 16.19 To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.


The Building & Works Committee resolved that the above agenda item be deferred till the next meeting of B&WC so as to place a revised cost estimate which excludes provision of basement.

It was also resolved that the next meeting of B&WC be held in first fortnight of February, 2013.

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


Registrar(Incharge) & Member-Secretary
Building & Works Committee,
NIT, Kurukshetra

Authenticated


Director, NITK & Chairman,
Building & Works Committee,
NIT, Kurukshetra

- (IV) Item No. 17.4 The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. Er. Varun Kumar, Executive Engineer (Civil), CPWD, Karnal committed the house to give presentation on plan of water supply distribution system of the Institute within 15 days and to start execution of the work within 30 days after presentation.
- (V) Item No. 17.5 The completion certificate along with letter of inspection will be given by CPWD in this week and final inspection of this work and various other completed works will be carried out within one week.
- (VI) Item No. 17.6 The revised estimated cost has been received from CPWD and the same will be put up to the Chairman, BWC for approval.
- (VII) Item No. 17.7 It was decided in the 17th meeting of BWC that the comprehensive cost estimate for the balance work of providing of vitrified floor tiles and wall tiles in all faculty chambers/labs of all the Departments be taken up. The CPWD has submitted the cost estimate for providing of vitrified floor tiles in Electrical and Chemistry Department only. It was decided that the comprehensive cost estimate be obtained from CPWD and be put in the next BWC.
- (VIII) Item No. 17.8 The cost estimate has been received recently from CPWD and the same be put up to the Chairman, BWC for approval

18.4 To consider and approve the Cost Estimate for Provision of staircase in BA, BB, BC, CA, CB & CC Type residential houses in campus to facilitate the maintenance works at roof top at NIT, Kurukshetra

The Building & Works Committee considered and approved the cost estimate for an amount of Rs. 13,32,500/- (Rupees thirteen lakh thirty two thousand five hundred only) for the provision of staircase in double storey houses BA, BB, BC, CA, CB & CC types residential houses.

18.5 To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.

The Building & Works Committee considered the necessity of additional requirements of Class Rooms & Faculty Chambers and resolved that revised proposal for six storey building for four schools and class/tutorial rooms and faculty chambers be obtained from CPWD. Executive Engineer CPWD, Karnal agreed to provide revised cost estimate by 1st week of January 2014. Further, BWC authorized the Chairman, BWC to approve the revised cost estimate

18.6 To consider & approve the cost estimate for providing audio system in Board Room, Golden Jubilee Administrative Building at NIT, Kurukshetra.

The members deliberated on the proposal vis-a-vis the modern developments in Audio Systems. It was resolved that the revised cost estimate for Audio System along with boundary mikes and lighting control with seam selection be provided by CPWD and the same be submitted to the Chairman, BWC for its approval

25/12/13

NATIONAL INSTITUTE OF TECHNOLOGY
(INSTITUTION OF NATIONAL IMPORTANCE)
KURUKSHETRA

No/CC/289

Dated: 20.12.2012

To

1. The Executive Engineer (Civil)
Karnal Central Division,
CPWD, 448 Subash Colony,
Karnal.
2. The Executive Engineer (Electrical)
Karnal Central Electrical Division,
CPWD, 22-A Indira Colony,
Karnal.

Subject:- Revised Cost Estimate for various new construction/electric works at NIT, Kurukshetra.

Kindly refer to the minutes of the 16th meeting of the Building and Works Committee of the Institute held on 19.11.2012 & circulated to you vide NIT/16th BWC/8603 dated 19.12.2012, you are, therefore, requested to submit the Revised Cost Estimate for the following works at the earliest, so that further necessary action may be taken.

1. Revised cost Estimate for construction of Community Hall at NIT, Kurukshetra vide Item No. 16.6.
2. Cost Estimate for Replacement of Electrical wiring in left out portion of instructional buildings Library etc. and Hostels Boy & Girl at NIT, Kurukshetra vide Item No. 16.11.
3. Cost Estimate for Provision of staircase in BA, BB, BC, CA, CB & CC Type residential houses in campus of NIT, Kurukshetra vide Item No. 16.12.
4. Cost Estimate for Extension of existing connection corridor up MBA/MCA and LHC-Block in the Instructional Buildings at NIT, Kurukshetra vide Item No.16.13.
5. Cost Estimate for Provision of lifts/ramp/hydraulic platform in left out area of the Instructional buildings, Guest House & Hostel etc. vide Items No. 16.17.
6. Cost Estimate for Widening & strengthening of existing roads with electrical poles in central verge of road. at NIT, Kurukshetra vide Item No. 16.18.
7. Cost estimate for Construction of multi-storey building for four schools for PG Study & Research Scholars without basement at NIT, Kurukshetra vide Item No. 16.19.

An early action is requested please.

Executive Engineer

1. S.S. to Director for kind information of the Hon'ble Director, NIT, Kurukshetra.
2. Dean (Estate), NIT, Kurukshetra, for information.
3. Prof. I/C (E&C) for information.
4. Prof. I/C (EM) for information.



भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग

CENTRAL PUBLIC WORKS DEPARTMENT

Phone : 0172-2749315

Fax : 0172-2741673

e-mail : cchqcpwdchd@yahoo.co.in
ceozcpwd@yahoo.in

कार्यालय मुख्य अभियंता (उ अ . 1)
केन्द्रीय लोक निर्माण विभाग,
केन्द्रीय सदन, सैक्टर 9-ए,
चण्डीगढ़ - 160009



Office of the Chief Engineer (NZ-1)
Central Public Works Department,
Kendriya Sadan, Sector 9-A,
Chandigarh-160009

संख्या: 23(390)/अ0अभि0(यो0)/का0 अभि0(यो0)1/ 915

दिनांक: 16-57-201

सेवा में,

Director
NIT, Kurukshetra (Haryana)

विषय:- C/o Multi Storeyed Building for four schools for
PG Study & Research at NIT, Kurukshetra (Haryana)

महोदय,

मुझे सक्षम अधिकारी के प्रशासनिक अनुमोदन एवं व्यय स्वीकृति के लिए रु० 122,95,32,700/रु०

(One Twenty Two Crores Ninety Five Lacs Thirty Two Thousand
& Seven Hundred Only)

मात्र) के प्रारम्भिक अनुमान दो प्रतियों में भेजने का निर्देश हुआ है। कार्य की आवश्यकता और अनुमान के मापन में रिपोर्ट में दर्शाया गया है। अनुरोध है कि कार्य की मंजूरी भेजते समय "लेखा शीर्ष" जिसके अंतर्गत व्यय किया जाना है दर्शाया किया जाए।

संलग्न:- प्रारम्भिक अनुमान । दो प्रतियों में ।

प्रतिलिपि:-

1. अधीक्षण अभियंता Chd केन्द्रीय परिमंडल, केन्द्रीय लोक निर्माण विभाग, Chandigarh
2. वरि० वास्तुक (उ० अ० - 1), केन्द्रीय लोक निर्माण विभाग, केन्द्रीय सदन, सैक्टर 9-ए, चण्डीगढ़।
3. अधीक्षण अभियंता(वै०)। चण्डीगढ़ केन्द्रीय विद्युत परिमंडल, केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़।
4. कार्यपालक अभियन्ता। डिजाईन। कार्यालय मुख्य अभियंता । (उ अ - 1)। केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़।
5. कार्यपालक अभियन्ता (वै०)। Karnal केन्द्रीय विद्युत मंडल, केन्द्रीय लोक निर्माण विभाग, Karnal।
6. कार्यपालक अभियन्ता। Karnal केन्द्रीय मंडल, केन्द्रीय लोक निर्माण विभाग, Karnal।
7. अधीक्षण अभियंता(मु०)। कार्यालय मुख्य अभियंता । (उ अ - 1)। केन्द्रीय लोक निर्माण विभाग, चण्डीगढ़।
history sheet सहित WIPMIS में सम्मिलित करने हेतु।

कार्यपालक अभियन्ता (यो.)

Dean (Estate)

2/11

19/7/14

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE : HARYANA

DIVISION: KCD

BRANCH: B & R

Name of Work:- C/o Multi-Storeyed Building for four schools for PG Study & Research at NIT, Kurukshetra (Haryana).

Major Head	Minor Head	Detailed Head
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This preliminary estimate has been framed by R.K. Gandhi, Executive Engineer(P), O/o Superintending Engineer, Chandigarh Central Circle, CPWD, Chandigarh and further processed by Er. Sunil Kumar, Executive Engineer (P)-I, O/o Chief Engineer (NZ-I), CPWD, Chandigarh for the probable cost of Rs. 122,95,32,700/- i/c 3% contingencies.

REPORT

HISTORY: This Preliminary Estimate amounting to Rs.122,95,32,700/- i/c 3% contingencies has been framed to cover the probable cost of the above noted work for obtaining A/A & E/S of the competent authority. The requisition for this work has been conveyed by the client department i.e. NIT, Kurukshetra during the 18th Building & Works Committee (BWC) meeting held with CPWD officers on 09.12.2013. Hence this estimate has been framed.

DESIGN & SCOPE: This estimate is based upon the preliminary architectural drawings prepared by Chief Architect (NR-I), CPWD, Chandigarh (revised as per note given in the approval letter) & approved by NIT authorities vide letter No.CCC/3517/91/4612 dated 18/19-6-2014. The detail of the architectural drawings is detailed as under :-

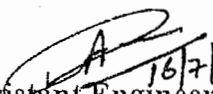
S.No.	Arch. Drawing No.	Description.
1	CA(NR)-1/501/125/P.D/01/R2	Part Layout Plan
2	CA(NR)-1/501/131/P.D/07/R2	Basement Plan
3	CA(NR)-1/501/126/P.D/02/R2	Ground Floor Plan
4	CA(NR)-1/501/126/P.D/03/R2	First Floor Plan
5	CA(NR)-1/501/128/P.D/04/R2	Second & Third Floor Plan
6	CA(NR)-1/501/129/P.D/05/R2	Fourth & Fifth Floor Plan
7	CA(NR)-1/501/133/P.D/09/R2	Section
8	CA(NR)-1/501/134/P.D/10/R2	Elevation
9	CA(NR)-1/501/135/P.D/11/R2	Specifications

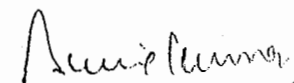
Following provisions have been made in the estimate:-

1. Construction of PG School building with RCC framed structure having a basement with floor height 3.35metres & Ground + 5 floors having floor height of 4.05 metres.
2. Provision for AC plant room with RCC framed structure and floor height 4.05 metres.
3. Provision for resisting earthquake forces.
4. Provision for larger modules over 35 sqm.
5. Provision for structural glazing on front and back side in the central part of the building.
6. Provision for internal water supply, sanitary installations and internal electric installations.
7. 4 Nos Lifts each of 13 passenger carrying capacity.
8. Fire fighting system with sprinkler system and automatic fire alarm system.
9. Energy efficient Central AC Plant.
10. Roof top solar photo voltaic power generation system and eater coolers with RO purifiers.
11. DG set of 750 KVA capacity.

12. AV system for class rooms & seminar rooms.
13. IP based CCTV system for building security.
14. Access control system & building management system.
15. Provision for development works such as sewer lines, water supply distribution lines, internal roads & paths, storm water drains, compound lighting with LED fixtures and underground sump of 3.0 lac litres capacity.
16. Provision for horticulture operations.

<u>SPECIFICATIONS:</u>	The work shall be carried out as per CPWD Specification 2009 Vol. I & II with up to date correction slips
<u>RATE:</u>	Based on PAR 2012 plus cost index & market rates.
<u>COST:</u>	Rs 122,95,32,700/- i/c 3% contingencies
<u>T&P:</u>	No T & P is required.
<u>LAND:</u>	Available
<u>W.C. ESTT.:</u>	Shall be met out of 3% contingencies.
<u>METHOD:</u>	Through contract after call of tender.
<u>TIME:</u>	After receipt of A/A & E/S: (i) For Pre-construction activities = 06 Months (ii) For execution = <u>15 Months</u> <div style="text-align: right;">Total <u>21 Months</u></div>


Assistant Engineer (P)
CPWD, Chandigarh.

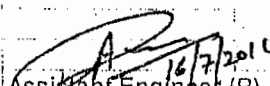

Executive Engineer(P)-I
CPWD, Chandigarh.

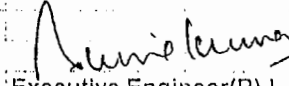
General Abstract of Cost

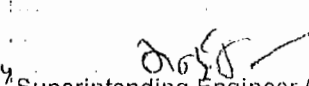
Name of work:- C/o Multi-storeyed Building for four schools for PG Study & Research at NIT, Kurukshetra (Haryana).

S.No.	Description of work	Civil	Electrical	Horticulture	Amount	Remarks
1	Building work	898122628.00	218472262.00	----	1116594890.00	Annexure-'A' & 'B'
2	Development work	9607979.00	54994728.00	704414.00	65307121.00	Annexure-'C' & 'D'
				Total	1181902011.00	
	Add Cess @ 1%				11819020.00	
					1193721031.00	
	Add contingencies @ 3%				35811631.00	
				Grand Total	1229532662.00	

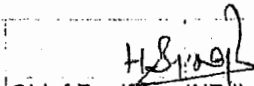
Say ₹ 1229532700.00


Assistant Engineer (P)
CPWD, Chandigarh.


Executive Engineer (P)-I
CPWD, Chandigarh.

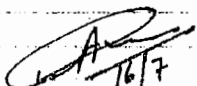
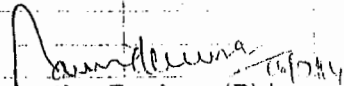

Superintending Engineer (P)
CPWD, Chandigarh.

Preliminary Estimate amounting to Rs. 122,95,32,700/- (Rupees One Twenty Two Crores Ninety Five Lacs Thirty Two Thousand and Seven Hundred Only) submitted to the client department for accord of A/A & E/S


Chief Engineer (NZ-I)
CPWD, Chandigarh

Preliminary Estimate

Name of work:- C/o Multi-storeyed Building for four schools for PG Study & Research at NIT, Kurukshetra (Haryana). SH: Building Work.

Sl.No.	Description of item	Qty	Unit	Rate	Amount	Remarks
	<u>Civil Work {RCC Framed Structure (six storeyed with basement)} :-</u>					PAR 2012
1	Basement Floor:-					
	Floor height 3.35mtr. with normal water proofing	5558	sqm.	19000.00	105602000.00	1.3.1
2	Ground Floor to Vth Floor:-					
	Floor height 3.35mtr.(Office/ College/ Hospital)	26122	sqm.	23500.00	613867000.00	1.1.1(A)
	Extra for :-					735925860/- "A"
3	Additional height of floor above normal floor height of 3.35 mtr.(4.05 -3.35= 0.70 mtr .) (270x0.70/0.30 = 630)	26122	sqm.	630.00	16456860.00	1.2.3
4	Resisting Earthquake forces.	31680	sqm.	1140.00	36115200 00	1.2.8
5	RCC raft foundations (50% area of Basement only)	2779	sqm.	6450.00	17924550.00	1.2.9
6	Larger modules over 35 sqm.	25751	sqm.	1500.00	38626500.00	1.2.12
7	Structural glazing	520	sqm.	7000.00	3640000.00	MR
	SERVICES					
8	Internal water supply & sanitary installations. on 'A'	735925860	%	4.00	29437034.00	3.1
9	External services connections on 'A'.	735925860	%	3.75	27597220.00	3.2
	Total				889266364.00	
	Add Cost Index @1% on all except S.No.7 i.e. Rs.885626364/-				8856264.00	
	Total				898122628.00	
	 Assistant Engineer (P) CPWD, Chandigarh.					 Executive Engineer(P)-I CPWD, Chandigarh.

Sl.No.	Description of item	Qty	Unit	Rate	Amount	Remarks
	<u>Electrical Work :-</u>					PAR 2012
1	<u>INTERNAL ELECRIFICATION</u>					
1.1	Internal electrical installations.	735925860	%	12.50	91990733.00	3.3
1.2	External service connection	735925860	%	1.25	9199073.00	3.2
	Extra for					
1.3	Power wiring and plugs.	735925860	%	4.00	29437034.00	3.6.1
1.4	Lightening Conductors (5 to 8 storey buildings).	735925860	%	0.33	2428555.00	3.6.3.1
1.5	Telephone conduits.	735925860	%	0.50	3679629.00	3.6.4
1.6	Computer Conduiting.	735925860	%	0.50	3679629.00	3.6.6
1.7	Floor Trunking.	735925860	%	2.00	14718517.00	
1.8	S.I.T.C of occupancy sensor.	31680	sqm.	75.00	2376000.00	PAR-15-E&M
2.0	<u>LIFT</u>					
2.1	13 Passengers lifts 1.5 MPS for Basement + G + 5 Floors.	4.00	each	2925000	11700000.00	4.1.3
3	<u>FIRE FIGHTING SYSTEM</u>					
3.1	With Sprinkler System.	31680	sqm.	750.00	23760000.00	2.9.1
4	<u>FIRE ALRAM SYSTEM</u>					
4.1	Automatic Fire Alarm System for entire building.	31680	sqm.	500.00	15840000.00	2.10.2
5	<u>DG SET</u>					
5.1	Supplying installation testing and commissioning of silent type 750 KVA D.G. Set, AMF Panel, Bus Trunking /cables from DG Set to essential panel, control cable, Earthing of DG Set and AMF Panel, DG set exhaust piping as per CPCB norms and minor allied works.	750	per KVA	10000.00	7500000.00	PAR-2-E&M
	Total				216309170.00	
	Add Cost Index @1%				2163092.00	
	Total				218472262.00	

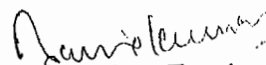
Executive Engineer(P)-I
CPWD, Chandigarh.

Preliminary Estimate

Name of work:- C/o Multi-storeyed Building for four schools for PG Study & Research at NIT, Kurukshetra (Haryana). SH: Development work.

Sl.No.	Description of item	Qty	Unit	Rate	Amount	Remarks
A.	Civil Work					PAR-2012
1	Levelling	8718	sqm	95	828210.00	6.1
2	Internal roads & paths	8718	sqm	145.00	1264110.00	6.2
3	Sewer	8718	sqm	110.00	958980.00	6.3
4	Water supply					6.4
4.1	Filtered water supply distribution lines 100mm dia & below	8718	sqm	80.00	697440.00	6.4.1
4.2	Peripheral gird 150mm to 300mm dia pipes	8718	sqm	60.00	523080.00	6.4.2
5	Storm Water drains	8718	sqm	85.00	741030.00	6.5
6	Underground sump	300000	litre	15.00	4500000.00	5.5
	Total :-				9512850.00	
	Add Cost Index @1% as on 01.07.2013	9512850	%	1.00	95129.00	
	Total :-				9607979.00	
B	Horticulture Work					
1	Horticulture operations	8718	sqm	80.00	697440.00	6.6
	Total :-				697440.00	
	Add Cost Index @1%	697440	%	1.00	6974.00	
	Total :-			Total	704414.00	

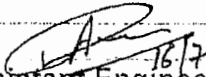
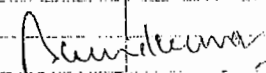
Assistant Engineer (P)
CPWD, Chandigarh.


Executive Engineer(P)-I
CPWD, Chandigarh.

Preliminary Estimate

Name of work:- C/o Multi-storeyed Building for four schools for PG Study & Research at NIT, Kurukshetra (Haryana). SH: Development work.

Sl.No.	Description of item	Qty	Unit	Rate	Amount	Remarks
A.	Electrical Work					PAR-2012
1.0	DEVELOPMENT					
1.1	Compound and landscape lighting with LED fixtures and service connection cable.	LS			3000000.00	MR
1.2	Exit sign board including electric signage.	31680	sqm.	85.00	2692800.00	6.7.4
2.0	SOLAR ENERGY SYSTEM AND WATER COOLER					
2.1	Supplying installation testing and commissioning of Grid interactive roof top solar photo voltaic power generation system i/c space frame.	100	KWp	125000	12500000.00	PAR-9-E&M
2.2	Water Cooler in SS body with RO Water Purifiers, stand etc.	12	Each	100000	1200000.00	MR
3.0	CENTRAL AC PLANT					
3.1	S.I.T.C. Energy Efficient Central AC Plant.	200	Per TR	75000	15000000.00	PAR
4.0	PROJECTION, DISPLAY & SOUND SYSTEM					
4.1	S.I.T.C. AV System for Class Rooms/Lecture Rooms.	LS			6000000.00	MR
4.2	S.I.T.C. Conferencing System and Display System including intelligent lighting system for Conference Room.	LS			2500000.00	MR
4.3	S.I.T.C. AV System for Seminar Rooms.	LS			5000000.00	MR
5.0	BUILDING MANAGEMENT SYSTEM					
5.1	S.I.T.C. of Building Management System etc, cabling, recording, display system and hardware & software support.	LS			3000000.00	MR
6.0	ACCESS CONTROL SYSTEM					
6.1	S.I.T.C. Access Control System with time attendance system.	LS			800000.00	MR

7.0	CCTV SYSTEM					
7.1	S.I.T.C. of IP based CCTV system for building security comprising of PTZ. Fixed camera, cabling, recording, display system and hardware and software support.	LS			3000000.00	MR
	Total :-				54692800.00	
	Add Cost Index @1% on I.No 1.2, 2.1 & 3.1 only	30192800	%	1.00	301928.00	
	Total :-				54994728.00	
	 Assistant Engineer (P) CPWD, Chandigarh.				 Executive Engineer(P)-I CPWD, Chandigarh.	14/11/14

Subject: Minutes of Estate Affairs Committee meeting held on 23-07-2014 in the office of Dean (P&D) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 23-07-2014 at 03:00pm to discuss the various issues related to development/construction works in NIT, Kurukshetra.

Following were present.

1. Prof. V.K. Sehgal Dean (P&D)	Chairman
2. Prof. K.K Singh Dean (Estate)	Member
3. Prof. Ashwani Jain Prof. I/C (E&C)	Member
4. Prof. Ashwani Sharma Prof. I/C (EM)	Member
5. Associate Prof. Anil Dahiya Prof. I/C (H&L)	Member
6. Sh. S.N. Kaushik Asstt. Engineer (Civil)	Special Invitee
7. Sh. Lalit Kumar J.E. (C)	Special Invitee
8. Sh. Satinder Pal Singh J.E. (Elect.)	Special Invitee

Following were discussed in detail and resolved as under:-

1. To finalize the drawings for construction of 300 seater multi-purpose boys hostel including 100 suits for foreign students, research scholars and married PG Students (multi-storied framed structure) at NIT, Kurukshetra.

Architectural drawings of 200 seater boys hostel was examined by the committee and approved subject to following:-

- (i) Provision of cupboards be made in rooms in 200 seater hostel.
- (ii) Orientation of building should be in conformity of existing hostels/buildings.
- (iii) Cost estimate should be as per Administrative Approval & Expenditure Sanction, which is already conveyed to CPWD. It was also decided that the matter will be conveyed to the Chief Architect, CPWD, Chandigarh

2. Provision of concertina wire on existing boundary wall towards G-Type Houses upto Disposal pump, Dayalpur village side.

It was decided in the meeting that the provision of concertina wire on existing RCC boundary wall from G-Type houses to Oxidation pond be made.

3. Construction of boundary wall (surrounding the Faculty House) and replacing of Electrical fittings with new one in the faculty house at NIT, Kurukshetra.

The Estate Affairs Committee decided that there is no need of separate boundary wall surrounding the Faculty House. As regards the work of replacement of electrical fittings with new one in the faculty house, the committee was informed that the estimate has already been demanded from the CPWD after visiting the site for replacement of existing electrical wirings in instructional buildings of NIT, Kurukshetra.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No/CC/3517/112/S390

Dated: 25-07-2014

To


The Chief Engineer (NZ-I),
CPWD, Central Circle,
Kendriya Sadan, Sec.-9-A,
Chandigarh.

Subject:- Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.

Reference: Your office letter No. 23(390)/SE(P)/CE(P)/I/915 dated 16-07-2014.

In reference to above cited letter, the preliminary cost estimate received to this office and examined. It is found that the cost of Rs. 122,95,32,700/- for the above said work is very high. The Institute authorities desired that the preliminary cost estimate may please be re-examined and submit the revised preliminary cost estimate in the office of the undersigned.

You are, therefore, requested to re-examine the preliminary estimate for construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra at the earliest, so that the early action may be taken.


Dean (Estate)

CC:

1. SS to Director for kind information of the Hon'ble Director, NIT, Kurukshetra.
2. Dean (P&D) for information, please.
3. Prof. I/C (E&C)
4. Prof. I/C (EM)
5. Superintending Engineer (Elect.), Chandigarh Central Circle-1, CPWD, Kendriya Sadan, Sector-9-A, Chandigarh.



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

Phone : 0172-2749515

FAX : 0172-2741673

E-mail : genzcpwd@yahoo.ingenzcpwd@yahoo.in

कार्यालय मुख्य अभियंता (उ० अ० - 1)
केन्द्रीय लोक निर्माण विभाग,
केन्द्रीय सदन, सेक्टर 9-ए,
चण्डीगढ़ - 160009



Office of the Chief Engineer (NZ-1)
Central Public Works Department,
Kendriya Sadan, Sector 9-A,
Chandigarh-160009

संख्या : 23(390)/SE(P)/EE(P)/ 284

दिनांक: 27/08/2014

To

The Dean (Estate)
National Institute of Technology,
Kurukshetra.

Pr/ P.D. (BTL) / AECC
for ensuring BWC pl.
2/9/14

Sub:- Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.

Ref: - Your letter No. CC/3517/113/5390 dated 25.07.2014.

With reference to above, the matter has been examined and It is intimated that the cost of preliminary estimate can not be reduced keeping into view the provision made in the estimate for the superior class specifications and modern amenities and considering the complexity of multistoreyed RCC framed structure proposed to be constructed at Kurukshetra which falls under Sesmic Zone-IV. However reduction in cost is possible if scope of work is reduced.

This Issues with the approval of Chief Engineer(NZ-I).

(Er. Nand Lal Chauhan)
Superintending Engineer(P)

Item No. 19.6 To consider & approve the cost estimate for providing concertina coil over the Institute boundary wall for security purpose at NIT, Kurukshetra

The matter regarding provision of concertina wire on existing boundary wall of the Institute was put up before the Estate Affairs Committee Meeting held on 23.7.2014. The Committee discussed the matter in detail and decided that the provision of concertina wire on existing RCC boundary wall from G-Type houses to Oxidation pond be made duly approved by the Director (copy enclosed). Hon'ble Chairman BOG visited the Institute on 28.8.2014 and a meeting with Director and other officers (copy of minutes enclosed) and resolved that " Height of boundary wall all along the periphery be 7 ft above the ground level and concertina coil of approximately 40 cm diameter be placed over the wall all around of the Institute". Accordingly, Executive Engineer, CPWD, Karnal was intimated vide this office letter No. CC/131/6088 dated 2.9.2014. Executive Engineer, CPWD, Central Division, Karnal has submitted the cost estimate amounting to Rs. 53,03,000/- for the providing of concertina coil over the Institute boundary wall for security purpose at NIT, Kurukshetra

The Building & Works Committee may consider and approve the cost estimate for the above cited work for an amount of Rs. 53,03,000/-

Subject: Minutes of Estate Affairs Committee meeting held on 23-07-2014 in the office of Dean (P&D) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 23-07-2014 at 03:00pm to discuss the various issues related to development/construction works in NIT, Kurukshetra.

Following were present.

1. Prof. V.K. Sehgal Dean (P&D)	Chairman
2. Prof. K.K Singh Dean (Estate)	Member
3. Prof. Ashwani Jain Prof. I/C (E&C)	Member
4. Prof. Ashwani Sharma Prof. I/C (EM)	Member
5. Associate Prof. Anil Dahiya Prof. I/C (H&L)	Member
6. Sh. S.N. Kaushik Asstt. Engineer (Civil)	Special Invitee
7. Sh. Lalit Kumar J.E. (C)	Special Invitee
8. Sh. Satinder Pal Singh J.E. (Elect.)	Special Invitee

Following were discussed in detail and resolved as under:-

1. To finalize the drawings for construction of 300 seater multi-purpose boys hostel including 100 suits for foreign students, research scholars and married PG Students (multi-storied framed structure) at NIT, Kurukshetra.

Architectural drawings of 200 seater boys hostel was examined by the committee and approved subject to following:-

- (i) Provision of cupboards be made in rooms in 200 seater hostel.
- (ii) Orientation of building should be in conformity of existing hostels/buildings.
- (iii) Cost estimate should be as per Administrative Approval & Expenditure Sanction, which is already conveyed to CPWD. It was also decided that the matter will be conveyed to the Chief Architect, CPWD, Chandigarh

2. Provision of concertina wire on existing boundary wall towards G-Type Houses upto Disposal pump, Dayalpur village side.

It was decided in the meeting that the provision of concertina wire on existing RCC boundary wall from G-Type houses to Oxidation pond be made.

3. Construction of boundary wall (surrounding the Faculty House) and replacing of Electrical fittings with new one in the faculty house at NIT, Kurukshetra.

The Estate Affairs Committee decided that there is no need of separate boundary wall surrounding the Faculty House. As regards the work of replacement of electrical fittings with new one in the faculty house, the committee was informed that the estimate has already been demanded from the CPWD after visiting the site for replacement of existing electrical wirings in instructional buildings of NIT, Kurukshetra.

4. To discuss the penalty clause regarding 2 nos. lifts for 13 passenger including Installation Testing and Commissioning etc. complete in all respect for the work of construction of 20 nos. Prof. & 20 nos. Asst. Prof. multi-storied staff housing at NIT, Kurukshetra.

Estate Affairs Committee deferred the above said agenda item for ensuing meeting and further course of action.

5. To discuss the preliminary cost estimate for the construction of Boundary Wall (RCC) left out stretch near Sewage Treatment Plant (STP) at NIT, Kurukshetra.

The cost estimate discussed in the meeting and it was decided that the boundary wall (RCC) left out stretch near Sewage Treatment Plant (STP) will be completed by CPWD with the work of construction of boundary wall (left out stretches) for a length of about 800 meter and gate (near UHBVN office) at NIT, Kurukshetra which is already allotted to CPWD and the expenditure will be charged from the same.

6. Design Supplying, installation & commissioning of 1 MLD capacity sewerage treatment plant based on MBBR technology. i/c operation & maintenance for 60 months after successful completion of defect liability period of 12 months on turnkey basis on moving bed Bio-Reactor (MBBR) technology at NIT, Kurukshetra. SH: Supply of treated water from STP to underground storage tank near 600 seater Girls Hostel including 50,000 ltr. Underground water storage tank.

It was decided in the meeting that the work be completed in the work of Sewage Treatment Plant (STP) at NIT, Kurukshetra which is already allotted to CPWD.

7. Preliminary cost estimate for construction of multi-storey building for four Schools for PG Study & Research at NIT, Kurukshetra.

The preliminary cost estimate submitted by CPWD was examined by the committee and it is found that the cost of Rs. 122,95,32,700/- for the above said work is very high and it was decided that the CPWD be requested to re-examine preliminary cost estimate and submit the revised preliminary cost estimate for construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra at the earliest.

8. Any other item.

- (i) Pathway from Kirmich road gate to Chowk Hostel No.-4, NITK.

It was decided in the meeting that the pathway from Kirmich road side gate to Chowk of Hostel No.-4 be made. It was also decided that the expenditure for the same be charged from the work of Providing permanent fencing along the lawns & gardens of the Institute with revolving entry gates including CC pathways at NIT, Kurukshetra which has already been allotted to CPWD.

Meeting ending with the thanks to the chair.

(S.N. Kaushik)

(Lalit Kumar)

(Satinder Pal Singh)

(Ashwani Jau)

(Ashwani Kumar)

(Anil Dahiya)

(V.K. Selgal)

(K.K. Singh)

Registrar

Director

Submitted for kind consideration

DU(50)/414
25/8/2017

Subject: Minutes of the meeting held on dated 28.08.2014 at 11.30 am in the office of the Director with Hon'ble Chairman BOG, Mr. K.N. Rai, Former Chief Executive & Advisor, Ministry of Defense (DRDO), Director, NIT Kurukshetra, Dean (FW), Dean (SW), Dean (Estate) & Registrar regarding security aspects of NIT Kurukshetra.

- I
 - a. Before the start of the meeting the Hon'ble Chairman BOG and Mr. K.N. Rai, Former Chief Executive & Advisor Ministry of Defense (DRDO) inspected vulnerable spots of the campus along the boundary wall and also visited residence of Prof. S.S. Rattan along with the Dean (Estate).
 - b. The report of the committee appointed by the Director for the enquiry on the incidence of attack on the Professor of the Institute was discussed and reviewed that various inputs given by the committee for improvement of security system.
 - c. The report of security officer was also studied.
- II Taking into account all the issues and deliberations on security, the following recommendations are made:

1. Height and size of perimeter wall: It was resolved that the height of boundary wall all along the periphery be 7 ft above the ground level and Concertina coil of approximately 40 cm. diameter be placed over the wall all around. The cost estimate of this work be discussed in Building Works Committee meeting and placed for approval in the ensuing BOG meeting.

Peripheral area should be cleared all along the boundary wall so that security personnel can move around to check any illegal entry from the wall.

2. Main Entry and Exit Points: The entry & exit points of the Institute be limited to 2 or 3.

3. Security Checks at Gates: The above mentioned gates should have proper security posts to check the entry & exit of persons or vehicles.

4. Manpower and Vehicle Check: The registration numbers of all the vehicles along with the time of entering into the campus and leaving the campus must be recorded.

5. System of Identity Cards & Vehicle Stickers: All Institute employees, employees engaged through outsourcing, all shopkeepers inside the premises should have identity cards which should be displayed their person.

6. CCTV Surveillance and Recording System: All the Gates through which entry & exit is taking place must have CCTV surveillance camera whose data should be stored in the recording/control room of security.

7. Identification of Servants and Casual Workers: There should be police verification of all the domestic servants, street hawkers, news-paper vendors, etc. All casual workers engaged by CPWD must stay in a segregated place in the campus and CPWD should issue tokens to contractors/ workers for entering and exiting from the campus.

8. Security Guards at Checking Points and Night Patrolling: Apart from security guards at sensitive locations there should be patrolling of the entire campus by security vehicle(s). There should be more patrolling during the day time in the residential and hostel area.

9. Arrangement with Local Police: The Institute authorities must have proper liaison with the nearest police station and the contact details of SHO of the area must be displayed prominently for the people to contact in the hour of needs.

[Handwritten signatures and initials at the bottom of the page]

10. Verification of Security Agency and their Employees: Since the security services to the Institute are being undertaken by an agency recognized by DGR and PSARA and all are ex-serviceman. Hence, it is satisfactory. Their number may be augmented.

11. Regulation/ Record of Students Movement out of Campus: It was suggested that students entry & exit from the campus should be monitored through swipe card.

12. Regular Security Drills and General Awareness of Residents: It was observed that there are requirements of regular security drills by the security personnels and making residents aware about general security related issues.

13. Street and Area Lighting: It was observed that the illumination level in the Institutional and Hostel area is satisfactory, however, the residential area illumination level is less. It was resolved that there is a need of extending bulk supply in the residential area to address this issue.

14. Surprise Check on Residents: There should be surprise checks on the occupants of the houses to ensure that there is no subletting and any illegal person is staying.

15. A protocol will be prepared for taking any emergent action needed in the residential area. This will included identifying two faculty members (on rotation basis for every month) to be incharge for the residential area for any one to get necessary help.

16. A detailed security manual will be prepared for implementation.

III

In addition to the above following points were identified for action.

- Illegal Huts of Ex-employees within the premises of NIT Kurukshetra be removed.
- One or two faculty members of the Institute be given the responsibility of Estate Manager so that they can be contacted for any emergency needs.
- The PWD complex within the NIT Campus may be moved out as they are not being assigned any work of NIT. In the mean time their portion may be segregated by a wall.
- If possible a space for security be earmarked in which temporary structures may be made for stay of about 30 security personnels with the provision of cooking and toilet. This will be helpful in meeting the requirement of security personnels in exigency by the Institute.

IV

It is resolved all the above recommendations and actions will be placed before the next BOG meeting in September, 2014.

The meeting ended with a vote of thanks to the Chair

[Signature]
28/8/14
Dean (Estate)

[Signature]
(K N RAH)
Former Chief Executive &
Advisor Ministry of Defence
(DRDO)

[Signature]
Hon'ble Chairperson
BOG

28/8/2014

Most Urgent

Copy for necessary action to:

1. Dean FW
2. Dean SW
3. Dean Estate
4. Chief Warden Boys & Girls
5. DRGA

Kindly take the necessary
action and send details for
action in the BOG scheduled

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No. CC/131/6088

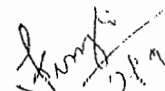
Dated: 02-09-2014

To

Executive Engineer (Civil),
CPWD, Karnal Central Division,
448 Subash Colony,
Karnal

Subject: - Submission of Cost Estimate for the Provision of concertina coil of approximately 40 cm. diameter over the wall all round at NIT, Kurukshetra.

As desired by the Institute authority 19th Building & Works Committee meeting is fixed on 11-09-2014. You are requested to submit the above said estimate urgently, so that the same may be incorporated in the 19th B&WC meeting.


Dean (Estate)

CC:

1. SS to Director for kind information of the Hon'ble Director, NIT, Kurukshetra.
2. Dean (P&D) for information, please.
3. Prof. I/C (E&C)
4. Assistant Engineer (Civil)
5. Superintending Engineer (Civil), Chandigarh Central Circle-1, CPWD, Kendriya Sadan, Chandigarh.
6. Chief Engineer, CPWD, Kendriya Sadan, Sec-9-A, Chandigarh.

केन्द्रीय लोक निर्माण विभाग
करनाल केन्द्रीय मण्डल
448, सुभाष कालोनी, करनाल

संख्या- 20(142)/यो.शा./क.के.मं/2014/ 2956

दिनांक 31/9/14

सेवा में,

The Director,
NIT, Kurukshetra

विषय : Provision of concertina coil fencing over the wall all round at NIT, Kurukshetra.

संदर्भ : आपका पत्र संख्या cc/131 dt.02.09.2014.

महोदय,

उपरोक्त कार्य का प्रारम्भिक प्राक्कलन जिसकी लागत रुपये 53,03,000 है आपके कार्यालय से प्रशासनिक स्वीकृति एवं व्यय मंजूरी प्राप्त करने हेतु संलग्न है।

आपसे अनुरोध है कि उपरोक्त स्वीकृति जल्दी से जल्दी भेजें ताकि आपका कार्यवाही की जा सकें। प्राक्कलन की एक प्रति भी संलग्न करें तथा उपरोक्त कार्य के लिये धन जल्दी से जल्दी जमा करवायें।

भवदीय,

संलग्न : उपरोक्त दो प्रतियों में।

कार्यपालक अभियंता
करनाल केन्द्रीय मण्डल
के.लो.नि.वि.करनाल

प्रतिलिपि :-

1. कार्यपालक अभियंता (वि.), करनाल केन्द्रीय विद्युत मण्डल, के.लो.नि.वि. करनाल सिविल कार्य के अनुमान सहित। आपसे अनुरोध है कि उक्त कार्य का विद्युत प्राक्कलन बनाकर संबंधित सक्षम अधिकारी को भेजें।
2. सहायक अभियन्ता, कुरुक्षेत्र केन्द्रीय उप-मण्डल, के.लो.नि.वि., कुरुक्षेत्र को सूचित।

कार्यपालक अभियंता

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

State HARYANA
Branch KARNAL

DIVISION KARNAL CENTRAL
SUB-DIVISION KARNAL CENTRAL

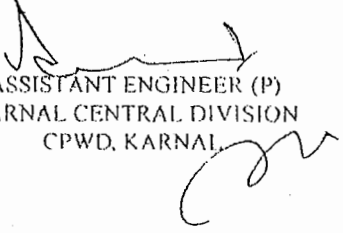
Name of Work : Provision of concertina coil fencing over the wall all round at NIT, Kurukshetra.


Major Head	Minor Head	Detailed Head
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This estimate has been framed by Er. Varun Kumar, Executive Engineer, Karnal Central Division, CPWD, Karnal for Rs. 53,03,000/- i/c 5% contingencies.

REPORT

History	This detailed cum preliminary estimate amounting to Rs. 53,03,000/- i/c 5% 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 has been received vide letter No. CC/131 dated 02-09-2011. Hence this estimate has been framed.
Design	Following Provision has been made in this estimate. 1. Providing and laying in position cement concrete of specified grade. 2. Brick work with common burnt clay F.P.S. (non modular) in boundary wall. 3. Providing and fixing concertina coil fencing with 9 horizontal RBT barbed wire. 4. Supplying Angle iron post.
Specification	CPWD Specification 2009 vol.I & II with upto date correction slips
WC Establishment	Shall be met out of contingencies
T. & P.	Shall be arranged by the contractor
Land	Available
Rate	DSR 2013 with upto date correction slips & market rate
Method	Through contract after call of tenders
Time	04 Months
Cost	Rs. 53,03,000/- i/c 5% contingencies.


ASSISTANT ENGINEER (P)
KARNAL CENTRAL DIVISION
CPWD, KARNAL


EXECUTIVE ENGINEER
KARNAL CENTRAL DIVISION
CPWD, KARNAL

Original Estimate

NW Provision of concertina coil fencing over the wall all round at NIT, Kurukshetra.

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1.1	All kinds of soil.	315	cum	148.25	46699.00	2.8.1
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	105	cum	101.50	10658.00	2.25
	Sub-Total				57357.00	
2	CONCRETE WORK					4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	31	cum	4921.70	152573.00	4.1.3
2.1.2	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	36	cum	3672.80	132221.00	4.1.10
2.2	Centering and shuttering including strutting, propping etc. and removal of form work for :					4.3
2.2.1	Foundations, footings, bases for columns	417	sqm	186.40	77729.00	4.3.1
2.3	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	92	sqm	220.60	20295.00	4.1
2.4	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	92	sqm	108.75	10005.00	4.13
	Sub-Total				392823.00	
3	BRICK WORK					6
3.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in :					6.1
3.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	253	cum	4646.50	1175565.00	6.1.2
3.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					6.4
3.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	74	cum	5325.10	394057.00	6.4.2
	Sub-Total				1569622.00	
4	STEEL WORK					10
4.1	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.					10.25
4.1.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	1955	kg	74.30	145257.00	10.25.1

LETTER OF ACCEPTANCE OF DEPOSIT WORKS

(To be issued to the client department)

To

Director
MIT KankeshetraSub: Execution of Deposit works. Provision of Concentina coil fence
over the wall all round of MIT Kankeshetra. (Indicate name of work)

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 the 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 funds 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 in 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 materials 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.
9. CPWD may at its discretion allow the clients to deposit the funds in installments. In such cases 33 1/3% of the estimated cost should be deposited as advance. Thereafter, expenditure incurred should be reimbursed in full through monthly bills. The initial deposit of 33 1/3% would be retained for adjustment against the last portion of the estimated expenditure.
10. In cases 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, 448, Subhash Colony
KARNAL-132001 (Haryana)

4.2	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/mm ²), counter sunk head, comprising of 10 m dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.					10.27
4.2.1	10 x 80 mm	2964	each	66.60	197402.00	10.27.2
	Sub-Total				342659.00	
5	FINISHING					13
5.1	12 mm cement plaster of mix :					13.4
5.1.1	1:6 (1 cement: 6 coarse sand)	800	sqm	142.25	113800.00	13.4.2
5.2	15 mm cement plaster on rough side of single or half brick wall of mix :					13.5
5.2.1	1:6 (1 cement: 6 coarse sand)	800	sqm	164.75	131800.00	13.5.2
5.3	Finishing walls with Acrylic Smooth exterior paint of required shade :					13.46
5.3.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	1600	sqm	78.10	124960.00	13.46.1
5.4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61
5.4.1	Two or more coats on new work	330	sqm	63.05	20807.00	13.61.1
	Sub-Total				391367.00	
6	ROAD WORK					16
6.1	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	11500	Kg.	69.75	802125.00	16.19
6.2	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	4240	metre	284.10	1204584.00	16.42
	Sub-Total				2006709.00	
	Total				4760537.00	
	Add Cost Index @1% (On Estimate Total 4,760,537.00)				47605.00	
	Total				4808142.00	
	Add Contingencies @5%				240407.00	
	Total				5048549.00	
	Add Labour cess @1%				50485.00	
	Total				5099034.00	
	Add Vat @ 4%				203961.00	
	Grand Total				5302995.00	

Say Rs. 53,03,000/-

EXECUTIVE ENGINEER
KARNAL CENTRAL DIVISION
CPWD, KARNAL

Item No. 19.7 To consider & approve the cost estimate for Construction of Multi-storied building for faculty/officers having 40 apartments at NIT, Kurukshetra

The High Power Committee in its meetings held on 12.6.13, recommended that additional 40 houses for Professor & Associate Professors be constructed in view of shortage of faculty houses. The same was duly approved by the Hon'ble Director, NIT, Kurukshetra (copy enclosed). Accordingly, the Executive Engineer, Karnal was intimated vide this office letter No. CC/129/6086 dated 2.9.2014 to submit the cost estimate for the above said work. Now, the CPWD has submitted a cost Estimate for Construction of Multi-storied building for faculty/officers having 40 apartments at NIT, Kurukshetra amounting to Rs 26,83,62,400/-.

The Building & Works Committee may consider and approve the cost estimate for the above cited work for an amount of Rs. 26,83,62,400/-.

Subject: Minutes of High Power Committee meeting held on 12-06-2013 to discuss various issues related to development/construction works under Estate Section/construction cell.

A meeting of High Power Committee was held on 12-06-2013 at 11:00 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

1.	Dean (P & D)	Chairman
2.	Dean (Estate)	Member
3.	Prof. I/C (S&C)	Member
4.	Prof. I/C (E&C)	Member
5.	Prof. I/C (EM)	Member
6.	Executive Engineer	Member Convener
7.	J.E. (C)	Special Invitee

Following issues were discussed and resolved as under:

1. Providing Property counter Facility for students & Expansion of Library Building.

The matter was discussed and it was decided that the library building be extended in vertical/horizontal direction in order to accommodate increased student strength. Property counter be also provided in the library.

2. Additional Speed Breakers & Night fixtures on the road to guide user.

It was decided that additional speed breakers be provided at suitable places in the Institute.

3. Approval of Architectural Drawings for the following works.

(i) Construction of 3 Storey bearer barrack comprising of 2 Blocks to accommodate 96 bearers at NIT, Kurukshetra.

The drawing submitted by the Chief Architect, CPWD to accommodate 120 bearers was approved.

(ii) Construction of 600 seater Girls Hostel (Multi-Storeyed framed Structure (Ground Floor+5) at NIT, Kurukshetra.

The Drawings were discussed in detail and Architectural Drawings were approved.

(iii) Construction of 2 nos. new Main Gates at NIT, Kurukshetra.

Drawing submitted by Chief Architect was approved for Gate No. 1. Drawing for Gate No.-2 (KUK side) is still to be submitted by the Architect, CPWD.

4. Provision of Additional houses for Faculty & Non-Teaching Staff.

- Additional 40 nos. houses for Professor & Associate Professor near existing 20 Nos. Prof. & 20 nos. Asstt. Prof. Houses be constructed.

- Assistant Professor houses be constructed in front of Hostel No. 4 & 5 in the available vacant space. In the mean time teacher flats under CCE & EC be transferred to Estate Section and allotted to new faculty at a monthly rent of Rs. 250/-. Also, Chief Warden be requested to set aside 100 rooms in Mega Boys Hostel for the purpose of giving accommodation to the newly recruited faculty.

- Additional E & F type houses be constructed for Non-Teaching faculty.

5. Provision of Office Chamber for Faculty & Additional Lecture/Tutorial rooms.

The matter was discussed & it was decided that new office chambers for faculty & Additional Lecture/Tutorial rooms be constructed on back side of MBA/MCA Block.

6. Provision of Additional Examination Hall.

The matter was discussed and it was decided to construct new Examination Hall behind the existing Examination Hall. At the same time a third storey be constructed on the existing Examination Hall.

Meeting ending with the thanks to the Chair.

(A.L. Kamboj)
Executive Engineer

(Lalit Kumar)
J.E. (C)

(S.K. Patidar)
Prof. I/C (S&C)

(Ashwani Jain)
Prof. I/C (E&C)

(Ashwani Sharma)
Prof. I/C (EM)

(V.K. Arora)
Dean (P&D)

(K.K. Singh)
Dean (Estate)

Submitted for approval of

(i) works planned under item Nos. 1, 4, 5 & 6
to obtain cost estimates of these works from CPWD/
Estate section of the Institute to be used in later
for Building works committee meeting agenda item 1.

(ii) Item No. 2 for Estate section to
execute the work.

(iii) Item No. 3 for Information to Hon'ble
Director related to ongoing works approved
by 15th BWC.

Registrar

Director

Approved, except (2)

Dean (Estate)

for na as in A.K. 25/7/13

21/8/13

K. Jindal

21/8/13

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

No./CC/ 129/6086

Dated 02-09-2014

To,

Executive Engineer (Civil)
CPWD Karnal Central Division,
448, Subhash Colony,
Karnal

Subject:- Submission of Cost Estimate for 19th B&WC meeting of NIT, Kurukshetra (fixed on 11-09-2014).

The 19th B&WC meeting is fixed on 11-09-2014 so you are requested to submit the following estimates urgently, so that the same may be incorporated in the 19th B&WC meeting.

Sr. No.	Name of work
1.	Providing Audio System in Senate Hall, Jubilee Hall & Board Room Golden Jubilee Administrative Block NIT, Kurukshetra.
2.	Construction of permanent and temporary huts for security guards at various locations in the Institute including facility for electricity supply, telephone and drinking water for security guards.
3.	Construction of Additional Multi-storied building of faculty (20 nos. Professors & 20 nos. Associate Professors) at NIT, KKR.
4.	Construction of Additional 20 nos. E-Type & 20 nos. F-Type house for Non Teaching Staff, NIT, Kurukshetra.

You are therefore, requested to submit the above mentioned cost estimate urgently.

Dean (Estate)

CC:

- 1 S.S. to Director for kind information of the Hon'ble Director, NITK.
- 2 Dean (P&D) for information, please.
- 3 Prof. I/C (E&C) for information.
- 4 Prof. I/C (EM) for information.
- 5 Superintending Engineer (Civil), CPWD, Kendriya Sadan, Sec DA, Chandigarh.
- 6 Executive Engineer (Elect.) Karnal Central Division, CPWD, 22 A, Indira Colony, Karnal.
- 7 Asstt. Engineer (Civil), NIT, Kurukshetra.
- 8 Asstt. Engineer (Civil), CPWD, NIT, Kurukshetra.
- 9 Asstt. Engineer (Elect.), CPWD, NIT, Kurukshetra.

**GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE :- HARYANA

DIVISION:- KARNAL CENTRAL DIVISION

BRANCH:- B&R

Name of work:- C/o Additional Multi-Storeyed building (G+5) of Faculty (20 Nos. Professors & 20 Nos. Associate Professors at NIT, Kurukshetra (Haryana).

Major Head	Minor Head	Detailed Head
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The preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Division, CPWD, Karnal and further processed by Er. Sunil Kumar, Executive Engineer(P), O/o CE(NZ-I), CPWD, Chandigarh of the probable cost of ` 26,83,62,400/- including 3% contingencies.

REPORT

HISTORY:- This preliminary estimate amounting to ` 26,83,62,400/- including 3% contingencies has been framed to cover up the probable cost of above mentioned work for accord of A/A & E/S of the competent authority. The requisition for the above said work has been received from NIT vide letter No. CC/29/6086 dated 02.09.2014. Hence, preliminary estimate has been framed to obtain A/A & E/S from the competent authority.

DESIGN & SCOPE: The Following provisions have been made in the Estimate:-

1. Based on PAR 2012 RCC framed structure.
2. Plinth area taken as existing 20 Nos. Professor & 20 Nos. Associate Professors Building (G+5) at NIT Kurukshetra after discussion with Dean (Estate).

Specifications: - The work shall be carried out as per CPWD specification 2009 Vol. I & II with upto date correction slips.

Rates: - Based on PAR 2012 & with cost index as on 01.07.2013 and prevailing market rates.

Amount: - ` 26,83,62,400/- i/c 3% contingencies.

W.C. Estt:- Shall be met out from contingencies.

T & P: - All T&P shall be arranged by the contractor.

Land: - Available with client deptt.

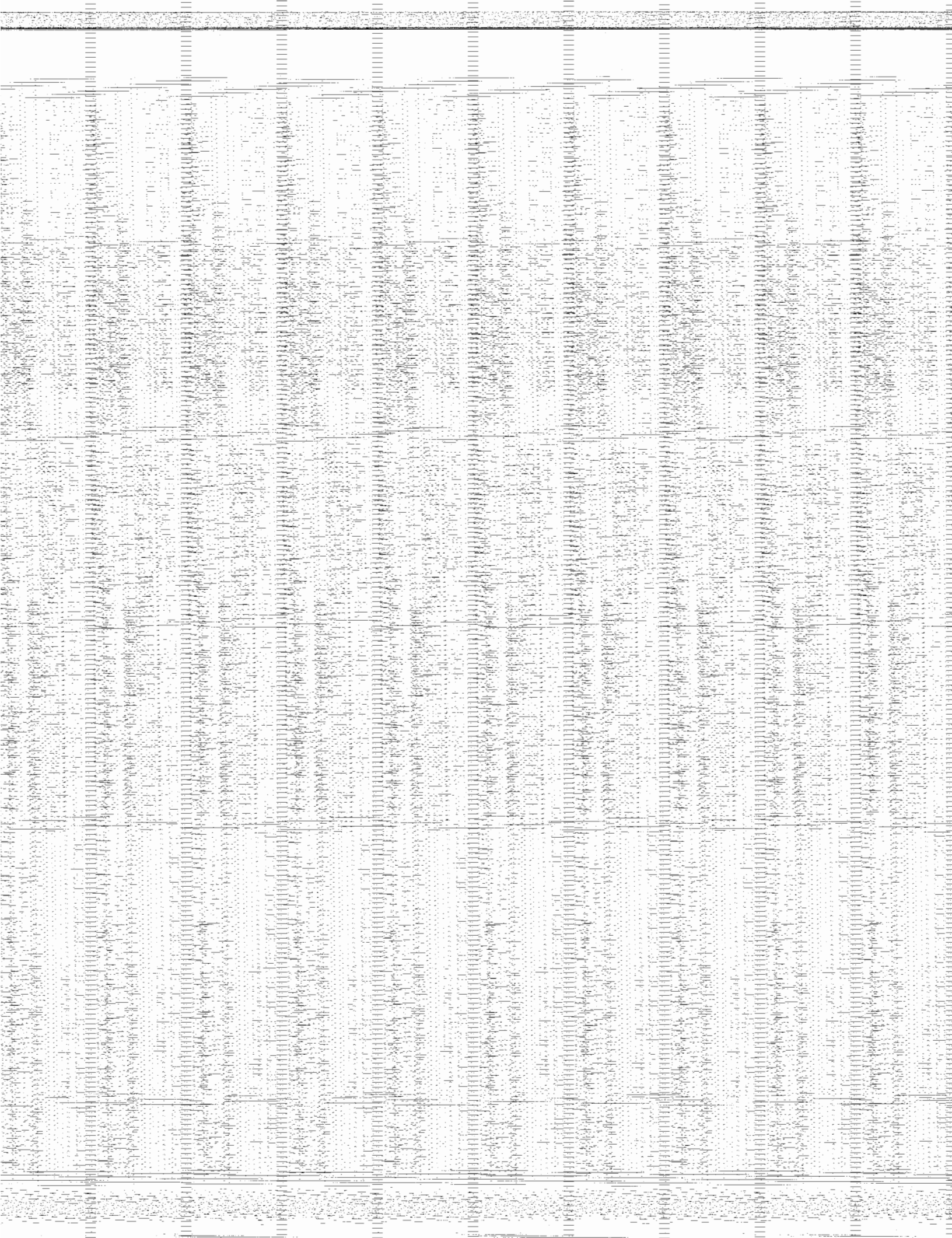
Method: - By contract after call of tender.

Time : After receipt of A/A & E/S

a) Pre-construction activities	=	06 Months.
b) For Execution of work	=	<u>18 Months.</u>
	=	24 Months

**Assistant Engineer (P)
CPWD, Chandigarh**

**Executive Engineer(P)I
CPWD, Chandigarh**



GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: HARYANA

DIVISION: KARNAL CENTRAL

BRANCH: B&R

Name of work :- Extension of existing connecting corridor upto MBA/MCA and LHC Block in the instruction building at NIT, Kurukshetra.

Major Head:

Minor Head:

Detailed Head:

This preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Divn, CPWD, Karnal and further processed by Er. R.K. Gandhi, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh of the probable cost of Rs.64,79,500/- i/c 5% contingencies.

REPORT

History: This preliminary estimate amounting to Rs.64,79,500/- i/c 5% contingencies has been framed to cover up the probable cost of the above mentioned work for obtaining A/A & E/S from the competent authority. The requisition for the above work has been received from NIT vide letter No.CC/176/4078 dated 14-6-2013 and in Progress Review Committee Meeting held on dated 21-11-2013. Hence preliminary estimate has been framed to obtain A/A & E/S from the competent authority. ~~4-12-2013-14/invtd/164-165 dated 12-8-2013.~~

Design & Scope:

Following provision has been made in the estimate:-

- 1 A big hall type shelter open from all sides marked as B & D on the enclosed plan.
- 2 6.15m wide corridor connecting to LHC block marked as A on the enclosed plan.
- 3 10.00 wide corridor connecting to canopy as marked C on the enclosed plan.
- 4 3.75m wide corridor on existing pattern marked E & F on the enclosed plan.

Specifications:

As per CPWD specification 2009 Vol-I to II. With up to date correction slip.

Rate:

As per DSR- 2013 & PAR-2013.

Amount:

Rs. 64,79,500/- i/c 5% contingencies.

W.C.Estt.:

Shall be met out of contingencies.

T&P:-

Shall be arranged by the contractor.

Land:

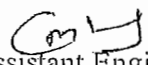
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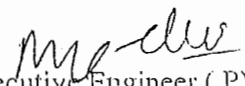
Method:

By contract after call of tenders.

Time allowed:

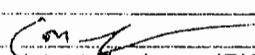
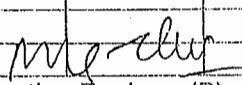
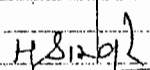
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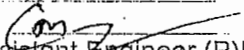
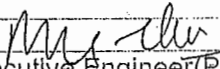

Assistant Engineer (P) III
Chandigarh Central Circle,
CPWD, Chandigarh.


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

ABSTRACT OF COST

Name of work :- Extension of existing connection corridor upto MBA/MCA and LHC Block in the instruction building at NIT, Kurukshetra.

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1.1	R.C.C. FRAMED STRUCTURE (Specification as per Annexure A.					1
1.1.1	R.C.C. framed structure stillt portion floor height 3.35 mtr. (Office/Collage/Hospital).	304	Sqm	9850.00	2994400	1.1.1
1.2	EXTRA FOR					1.2
1.2.1	Resisting earth quake force	304	sqm	1140.00	346560	1.2.8
1.2.2	Larger modules over 35 sqm.	304	sqm	1500.00	456000	1.2.12
2	SERVICES					3
2.1	Internal electrical installations (Non-residl. Building.	2994400	100 B.cost	12.50	374300	3.3
2.2	Extra for :					3.6
2.2.1	Power wiring & plugs	2994400	100 B.cost	4.00	119776	3.6.1
	Total :-				4291036	
	Add cost Index @ 1.00%				42910	
	Total :-				4333946	
	Add Contigencies @ 5.00%				216697	
	Total :-				4550643	
	Add VAT + Labour Cess @ 5%				227532	
	Grand Total :-				4778175	
Total (Rs.4778175 + 1701300 (Annexure-A) = Rs.64,79,476/-						
Say Rs.64,79,500/-.						
						
Assistant Engineer (P)III. CCC, CPWD, Chandigarh		Executive Engineer(P) CCC, CPWD, Chandigarh.				
The preliminary estimae amountint to Rs. 64,79,500/- (Rs. Sixty four lacs seventy nine thousand five hundred only) is hereby forwarded to client department for accord of A/A & E/S of the competent authority.						
						
		Superintending Engineer, Chandigarh Central Circle, CPWD Chandigarh.				

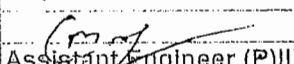
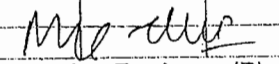
		Annexure-A	
ABSTRACT OF COST.			
Name of work :- Extension of existing connecting corridor upto MBA/MCA and LHC Block in the Instruction Building at NIT, Kurukshetra.			
S.No.	Description		Amount
1	EARTH WORK		26310.00
2	CONCRETE WORK		61219.00
3	REINFORCED CEMENT CONCRETE		611865.00
4	BRICK WORK		414736.00
5	FLOORING		171472.00
6	ROOFING		18752.00
7	FINISHING		112827.00
8	WATER PROOFING		125329.00
	Total :-		1542510.00
	Add Contingencies @ 5%		77126.00
	Total :-		1619636.00
	All Labour Cess @ 1.00%		16196.00
	Total :-		1635832.00
	Add VAT @ 4.00%		65433.00
	Total :-		1701265.00
			Say Rs. 17,01,300/-
	 Assistant Engineer (P) III Chandigarh Central Circle CPWD, Chandigarh		 Executive Engineer (P) Chandigarh Central Circle CPWD, Chandigarh.

Original Estimate						
Name of work	Extension of existing connecting corridor upto MBA/MCA and LHC Block in the instruction Building at NIT, Kurukshetra					
S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
1	EARTH WORK					2
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					2.8
1.1.1	All kinds of soil.	80	cum	148.25	11860.00	2.8.1 SR
1.2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	26	cum	101.50	2639.00	2.25 SR
1.3	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	14	cum	843.65	11811.00	2.27 SR
	Sub-Total				26310.00	
2	CONCRETE WORK					4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	14	cum	3672.80	51419.00	4.1.10 SR
2.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					4.2
2.2.1	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	1	cum	5822.15	5822.00	4.2.3 SR
2.3	Centering and shuttering including strutting, propping etc. and removal of form work for :					4.3

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
2.3.1	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	5	sqm	334.50	1673.00	4.3.2 SR
2.4	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	7	sqm	220.60	1544.00	4.1 SR
2.5	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	7	sqm	108.75	761.00	4.13 SR
	Sub-Total				61219.00	
3	REINFORCED CEMENT CONCRETE					5
3.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					5.1
3.1.1	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	5	cum	5552.25	27761.00	5.1.2 SR
3.2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	33	cum	6107.15	201536.00	5.3 SR
3.3	Centering and shuttering including strutting, propping etc. and removal of form for :					5.9
3.3.1	Suspended floors, roofs, landings, balconies and access platform	70	sqm	371.80	26026.00	5.9.3 SR
3.3.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	142	sqm	309.80	43992.00	5.9.5 SR
3.4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					5.22
3.4.1	Thermo-Mechanically Treated bars	4700	kg	66.50	312550.00	5.22.6 SR
	Sub-Total				611865.00	

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
4	BRICK WORK					6
4.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					6.1
4.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	48	cum	4646.50	223032.00	6.1.2 SR
4.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					6.4
4.2.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	36	cum	5325.10	191704.00	6.4.2 SR
	Sub-Total				414736.00	
5	FLOORING					11
5.1	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) :					11.26
5.1.1	25 mm thick	160	sqm	1071.70	171472.00	11.26.1 SR
	Sub-Total				171472.00	
6	ROOFING					12
6.1	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.					12.41
6.1.1	110 mm diameter	43	metre	218.60	9400.00	12.41.2 SR
6.2	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, Including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					12.42
6.2.1	Bend 87.5°					12.42.5
6.2.1.1	110 mm bend	28	each	160.25	4487.00	12.42.5.2 SR

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
6.3	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.					12.43
6.3.1	110 mm	28	each	173.75	4865.00	2.43.2 SR
	Sub-Total				18752.00	
7	<u>FINISHING</u>					13
7.1	12 mm cement plaster of mix :					13.1
7.1.1	1:6 (1 cement: 6 fine sand)	142	sqm	133.85	19007.00	13.1.2 SR
7.2	15 mm cement plaster on the rough side of single or half brick wall of mix :					13.2
7.2.1	1:6 (1 cement: 6 fine sand)	85	sqm	154.70	13150.00	13.2.2 SR
7.3	6 mm cement plaster of mix :					13.16
7.3.1	1:3 (1 cement : 3 fine sand)	135	sqm	120.35	16247.00	3.16.1 SR
7.4	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) :					13.31
7.4.1	Flush / Ruled/ Struck or weathered pointing	110	sqm	95.65	10522.00	3.31.1 SR
7.5	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.					13.42
7.5.1	Two or more coats on new work	180	sqm	45.25	8145.00	3.42.1 SR
7.6	Finishing walls with textured exterior paint of required shade :					13.45
7.6.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and Including priming coat of exterior primer applied @ 2.20kg/10 sqm	360	sqm	127.10	45756.00	3.45.1 SR
	Sub-Total				112827.00	

S.No.	Description	Qty	Unit	Rate	Amount	DSR No.
8	WATER PROOFING					22
8.1	Providing and laying Integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-In-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height Including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat					22.7
	slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-In-charge. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge :					
8.1.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	142	sqm	882.60	125329.00	22.7.1 SR
	Sub-Total				125329.00	
	 Assistant Engineer (P) III CCC, CPWD, Chandigarh.			 Executive Engineer (P) CCC, CPWD, Chandigarh.		

4. To discuss scope of works for various buildings approved by Hon'ble Director for getting estimates from CPWD.
- (a) Property counter facility for students in library & expansion of library building - To discuss with Librarian.
- (b) Shifting of boundary wall of Director residence - To discuss with Architect.
- (c) Fire fighting in the Institute & Hostels - Cylinder type.
- ~~W&A~~ Re-surfacing & widening of existing roads in residential & Institutional area.
Widening & strengthening including path ways of all existing roads in Institutional and Residential area as per site condition.
- (c) Provision of Additional houses for Faculty & Non-Teaching staff.
 - Additional 70 nos. houses for Professors.
 - Additional 100 nos. Associate Professors houses.
 - Additional 20 nos. E type & 20 nos. F type houses for Non-Teaching staff.
- (f) Provision of office Chamber for faculty & additional Lecture/Tutorial rooms.
The matter was discussed in detail and it was resolved that the provision of 250 nos. faculty office chambers, 20 nos. lecture rooms and 30 nos. tutorial rooms, 5 nos. conference rooms of 200 capacity with AC facility be made.
- ~~W&A~~ Provision of Additional Examination Hall.
Additional floor on existing Examination Hall and another similar 3 storey hall East side of existing Examination Hall.
- (h) Provision of 4 nos. ATMs in the Campus.
The matter was discussed in detail and it was resolved to provide 1 no. ATM near Mega Boys Hostel, 1 no. near Girls Hostel and 2 nos. in front of library.

Any other items. Following decisions were taken

- ~~(i)~~ Renovation of existing lecture theatre.
- (ii) Protection for power point projectors at various location in the Institute.
- (iii) Repair/replacement of damaged acoustic tiles in LHC block.
- (iv) Locking arrangement of solar light batteries.
- (v) Shifting of boundary wall of BB-9, BB-10 & BC-4 to BC-6 houses.
- (vi) One additional floor be constructed for Mechanical Engg. Deptt., Civil Engg. Deptt., AM Block & AB Block.

Meeting ending with the thanks to the Chair.

(S.N. Kaushik)
Asstt. Engineer

(Lalit Kumar)
J.E. (C)

(Satinder Pal Singh)
J.E. (E)

(Ashwani Jain)
Prof. I/C (E&C)

(Anil Dahiya)
Prof. I/C (H&L)

(V.K. Arora)
Dean (P&D)

(K.K. Singh)
Dean (Estate)

Registrar *Manoj*
27/11/13

Director
26/12/13

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
चण्डीगढ़ केन्द्रीय परिमण्डल
केन्द्रीय सदन, सैक्टर-9ए, चण्डीगढ़-160009

संख्या:-च.के.परि./23(4515)नि.3/3/11

दिनांक:- 6/12/13

सेवा में,

✓
The Registrar,
National Institute of Technology,
Kurukshetra (Haryana).

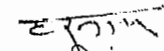
विषय:- :- Provision of vitrified tiles in the chemistry department, Room No.E-222, in the class rooms and labs of electrical department at NIT, Kurukshetra.
PROJECT DD: NIT/HY/2013/2

महोदय,

उपरोक्त कार्य का 60,02,200/- रुपये राशि का प्रारम्भिक अनुमान इसके साथ दो प्रतियों में संलग्न किया जाता है । इस कार्य के लिए आवेदन आपके पत्र संख्या: during Progress Review Committee Meeting held on dated 21-11-2013 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 (हैड ऑफ अंकाउंट) का नाम भी उल्लेख करने की कृपा करें।

संलग्न: अनुमान दो प्रतियां।

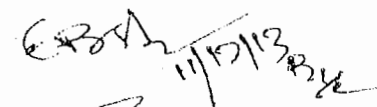

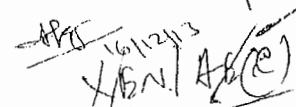

भवदीय


अधीक्षण अभियंता,
Telefax : 2743923

प्रतिलिपि: -

- 1 मुख्य अभियंता (उ.अं-1), के.लो.नि.वि., केन्द्रीय सदन, सैक्टर-9/ए, चण्डीगढ़।
- 2 कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की एक प्रति सहित ।

अधीक्षण अभियंता


Dean (Estimation)

P. K. Singh (E&C)

X. B. N. Singh

Singh
12/12/13

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE: HARYANA

DIVISION: KARNAL CENTRAL

BRANCH: B&R

Name of work :- Provision of vitrified tiles in the chemistry department, Room No.E-222, in the class rooms and labs of Electrical departments.

Major Head:

Minor Head:

Detailed Head:

This preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Divn, CPWD, Karnal and further processed by Er. R.K. Gandhi, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh of the probable cost of Rs.60,02,200/- i/c 5% contingencies.

REPORT

History: This preliminary estimate amounting to Rs. 60,02,200/- i/c 5% contingencies has been framed to cover up the probable cost of the above noted work for obtaining A/A & E/S from the competent authority. The requisition for the above has been made in Progress Review Committee Meeting held on dated 21-11-2013. Hence preliminary estimate has been framed to obtain A/A & E/S from the competent authority.

Design & Scope: Following provision has been made in the estimate:-
1 Providing and laying vitrified floor tiles.
2 Taking out & Refixing of door, shutters (steel or wood).

Specifications: As per CPWD specification 2009 Vol-I to II. With up to date correction slip.

Rate: As per DSR- 2013.

Amount: Rs.60,02,200/- i/c 5% contingencies.


W.C.Estt.: Shall be met out of contingencies.

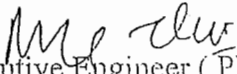
T&P:- Shall be arranged by the contractor.

Land: Available.

Method: By contract after call of tenders.

Time allowed: 05 Months after receipt of A/A & E/S.


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


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

Name of work :- Provision of vetrified tiles In the Chemlstry department, Room No.E-222, in the class rooms and labs of electrical dedpartment.

Sl. No.	Description	Qty	Unit	Rate	Amount	DSR No.
	SH:- FLOORING:-					
1	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than .08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).					11.49
1.1	Size of Tile 600x600 mm	3200.00	Sqm	1539.85	4927520.00	11.49.2
2	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).					11.47
2.1	Size of Tile 600x600 mm	320.00	Sqm	1597.20	511104.00	11.47.2
	SH:- DISMANTLING & DEMOLISHING					
3	Taking out and refixing doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :					15.13
3.1	Of area 3 sq. metres and below	70.00	Each	49.60	3472.00	15.13.1
	Total :-				5442096.00	
	Add contingencies % 5.00%				272105.00	
	Total :-				5714201.00	
	Add Labour Cess @ 1.00%				57142.00	
	Total :-				5771343.00	
	Add VAT @ 4.00%				230854.00	
	Grand Total :-				6002197.00	
				Say Rs.60,02,200/-.		
	Assistant Engineer (P)III, CCC, CPWD, Chandigarh.				Executive Engineer (P), CCC, CPWD, Chandigarh.	
	The preliminary estimate amounting to Rs.60,02,200/- (Rs. Sixty lacs two thousand two hundred only) is hereby forwarded to client department for accord of A/A & E/S of the competent authority.					
				Superintending Engineer, Chandigarh Central Circle, CPWD, Chandigarh.		

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
चण्डीगढ़ केन्द्रीय परिमण्डल

केन्द्रीय सदन, सैक्टर-9ए, चण्डीगढ़-160009

24.10.21/
20/1/14

संख्या:-च.के.परि./23(4515)नि.3/ 118

दिनांक:- 10/1/14

सेवा में,

The Registrar,
National Institute of Technology,
Kurukshetra (Haryana).

विषय:- Renovation of existing lecture theatre at NIT Kurukshetra. SH:- Providing vitrified in civil Engineering department, Applied Mechanics Block, AB Block, MBA Block, Electronics and communication department and workshope.

महोदय,

उपरोक्त कार्य का 1,34,50,300/- रुपये राशि का प्रारम्भिक अनुमान इसके साथ दो प्रतियों में संलग्न किया जाता है। इस कार्य के लिए आवेदन आपके पत्र संख्या: CC/294/12584 dated 10-12-2013 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 (हैड ऑफ अंकाउंट) का नाम भी उल्लेख करने की कृपा करें।

संलग्न: अनुमान दो प्रतियां।

भवदीय

अधीक्षण अभियंता,
Telefax : 2743923

प्रतिलिपि:-

- 1 मुख्य अभियंता (उ.अं-1), के.लो.नि.वि., केन्द्रीय सदन, सैक्टर-9ए, चण्डीगढ़।
- 2 कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की एक प्रति सहित।

अधीक्षण अभियंता

N.I.T. KURUKSHETRA

Dy. No.	133	Date	13/1/14
MR	DPD	DAC	LA
MR	M	CC	CC
MR	CW	CC	CC
MR	CCN	CC	CC
MR	CA	CC	CC

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE: HARYANA

DIVISION: KARNAL CENTRAL

BRANCH: B&R

Name of work :- Renovation of existing lecture theatre at NIT, Kurukshetra. SH:-
Providing vitrified tiles in civil Engineering department, Applied
Mechanics Block, AB Block, MBA Block, Electronics and
communication department and workshops.

Major Head:

Minor Head:

Detailed Head:

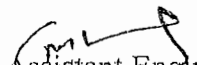
This preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Divn, CPWD, Karnal and further processed by Er. R.K. Gandhi, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh of the probable cost of Rs.1,34,50,300/- i/c 3% contingencies.

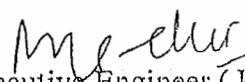
REPORT

History: This preliminary estimate amounting to Rs. 1,34,50,300/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work for accord of A/A & E/S of the competent authority. The requisition of the above work has been received from NIT vide letter No.CC/294/12584 dated 10-12-2013. Hence preliminary estimate has been framed to obtain A/A & E/S of the competent authority.

Design & Scope: Following provision has been made in the estimate:-
1 Providing and laying vitrified floor tiles 600x600mm with cement based high polymer modified quick set tile adhesive (water based).

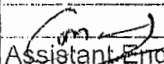
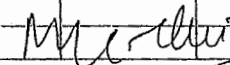
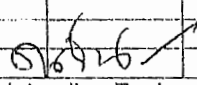
Specifications: As per CPWD specification 2009 Vol-I to II. With up to date correction slip.
Rate: As per DSR- 2013.
Amount: Rs. 1,34,50,300/- i/c 3% contingencies.
W.C.Estt.: Shall be met out of contingencies.
T&P:- Shall be arranged by the contractor.
Land: Available.
Method: By contract after call of tenders.
Time allowed: 03 Months after receipt of A/A & E/S.


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


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

SCHEDULE OF QUANTITIES

Name of Work : - Renovation of existing lecture theatre at NIT Kurukshetra. SH:- Providing vitrified tiles in civil Engineering department, Applied Mechanics Block, AB Block, MBA Block, Electronics and communication department and workshops.

Item	Description of Item	Qty.	Unit	Rate	Amount	DSR item
	<u>SH:- FLOORING</u>					
1.1	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).					11.47
1.1.1	Size of Tile 600x600 mm	380.00	sqm	1597.20	606936.00	11.47.2
1.2	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).					11.49
1.2.1	Size of Tile 600x600 mm	7600.00	sqm	1539.85	11702860.00	11.49.2
	Total :-				12309796.00	
	Add 3% contingencies				500000.00	
	Total :-				12809796.00	
	Add VAT + Labour Cess @ 5%				640490.00	
	G. Total :-				13450286.00	
				Say Rs.1,34,50,300/-		
	 Assistant Engineer (P) III CCC, CPWD, Chandigarh.			 Executive Engineer (P) CCC, CPWD, Chandigarh.		
	Preliminary estimate to Rs.1,34,50,300/- (Rs. One crore thirty four lacs fifty thousand three hundred only) is hereby approved for submission to client for A/A & E/S.					
	 SuperIntending Engineer Chandigarh Central Circle CPWD, Chandigarh.					

Item No. 19.10 **To consider & approve the revised cost estimate for providing audio system in Board Room, Golden Jubilee Administrative Building including Jubilee Hall & Senate Hall at NIT, Kurukshetra.**

The B &WC in its 18th meeting vide agenda Item No. 18.6 resolved that the revised cost estimate with Audio System alongwith boundary mike and lighting control with seam selection be provided by CPWD for Board Room of Golden Jubilee Administrative Building. Now a revised cost estimate has been submitted by CPWD by including the above provisions and also for audio systems in Jubilee Hall and Senate Hall Conference Room amounting to Rs 12,63,360/-, Rs. 1,17,46,700/- & Rs. 90,01,020/- respectively.

The Building & Works Committee may consider and approve the revised cost estimates for the above-cited works for total amount of Rs. 2,20,11,080/-.

- (IV) Item No. 17.4 The work has already been allotted to CPWD and revised A/A & E/S has also been conveyed. Er. Varun Kumar, Executive Engineer (Civil), CPWD, Karnal committed the house to give presentation on plan of water supply distribution system of the Institute within 15 days and to start execution of the work within 30 days after presentation.
- (V) Item No. 17.5 The completion certificate along with letter of inspection will be given by CPWD in this week and final inspection of this work and various other completed works will be carried out within one week.
- (VI) Item No. 17.6 The revised estimated cost has been received from CPWD and the same will be put up to the Chairman, BWC for approval.
- (VII) Item No. 17.7 It was decided in the 17th meeting of BWC that the comprehensive cost estimate for the balance work of providing of vitrified floor tiles and wall tiles in all faculty chambers/labs of all the Departments be taken up. The CPWD has submitted the cost estimate for providing of vitrified floor tiles in Electrical and Chemistry Department only. It was decided that the comprehensive cost estimate be obtained from CPWD and be put in the next BWC.
- (VIII) Item No. 17.8 The cost estimate has been received recently from CPWD and the same be put up to the Chairman, BWC for approval

13.4 To consider and approve the Cost Estimate for Provision of staircase in BA, BB, BC, CA, CB & CC Type residential houses in campus to facilitate the maintenance works at roof top at NIT, Kurukshetra

The Building & Works Committee considered and approved the cost estimate for an amount of Rs. 13,22,500/- (Rupees thirteen lakh thirty two thousand five hundred only) for the provision of staircase in double storey houses BA, BB, BC, CA, CB & CC types residential houses.

13.5 To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.

The Building & Works Committee considered the necessity of additional requirements of Class Rooms & Faculty Chambers and resolved that revised proposal for six storey building for four schools and class/tutorial rooms and faculty chambers be obtained from CPWD. Executive Engineer CPWD, Karnal agreed to provide revised cost estimate by 1st week of January 2014. Further BWC authorized the Chairman, BWC to approve the revised cost estimate

13.6 To consider & approve the cost estimate for providing audio system in Board Room, Golden Jubilee Administrative Building at NIT, Kurukshetra

The members deliberated on the proposal vis-a-vis the modern development of Audio Systems. It was resolved that the revised cost estimate for Audio System along with boundary mikes and lighting control with seam selection be obtained by CPWD and the same be submitted to the Chairman, BWC for its approval

No. 13.6
Date: 15/12/13
Signature: [Signature]
Chairman, BWC

Subject: Minutes of High Power Committee meeting held on 05.12.2012 in the office of Dean (P&D) - to discuss various issues

A meeting of High Power Committee was held on 05.12.2012 at 11:30AM in the office of Dean (P & D) to discuss the various issues related to various works.

Following were present:

1.	Dean (P & D)	Chairman
2.	Dean (FW)	Member
3.	Dean (Estate)	Member
4.	Executive Engineer	Member Convener
5.	Asstt. Engineer (Civil)	Special Invitee
6.	J.E. (C)	Special Invitee
7.	J.E. (E)	Special Invitee

Following issues were discussed and resolved as under:

- (i) Review of progress of work and extension of time limit for Construction of 20 Nos. Prof. & 20 Nos. Asstt. Prof. Multi storeyed Staff Housing at NIT, Kurukshetra.

PUC is request dated 06.11.2012 along with revised bar chart received from M/s Apurvakriti Infrastructure Pvt. Ltd. regarding time limit extension up to 30.04.2013. The same was put up before the High Power Committee. Accordingly, the progress of work was reviewed by the High Power Committee. After detailed discussion the committee recommended that the extension in time may be granted upto 31.03.2013 because of ban on mining in Haryana as explained by the agency in its request (attached). Further, the committee also recommended that the extension in time as mentioned above is subject to the condition that the executing agency will complete the work as per above mentioned schedule, failing which penalty clause may be invoked as per agreement.

- (ii) Review of Progress of work and extension of time limit for construction of Additional Block of Health Centre at NIT, Kurukshetra.

PUC is request dated 29.10.2012 received from M/s Paryas Co-Op Society for time limit extension for 60 days. The same was put up before the High Power Committee. The progress of work was reviewed by the High Power Committee. It was observed that the building is near completion except for some finishing, PH & EI work. It was also decided that the Construction of boundary wall around the Additional Block of Health Centre is essentially required which was not a part of DNIT originally. Hence, the High Power Committee recommended that the extension in time up to 31.01.2013, subject to the condition that the executing agency will complete the work as per above mentioned schedule, failing which penalty clause may be invoked as per agreement.

- (iii) Release of balance payment for the work of 20mm thick premix carpeting with 'B' type seal coat on various existing roads, NIT, Kurukshetra.

The High Power Committee during its inspection found that the surface finishing of seal coat laid over 20mm thick premix carpeting by the contractor/agency is not up to the mark. Accordingly, the agency was informed to attend the shortcoming pointed out by the High Power Committee. The agency attended the shortcomings. However, the committee is not satisfied with the surface finishing of seal coat. The committee recommends that the final payment be released to the contractor/agency by reducing the rate by @ Rs. 3/- per sqm. on the total area of seal coat.

- (iv) Providing Sound System in Jubilee Hall, Senate Hall & Board Room in the Golden Jubilee Administrative Block at NIT, Kurukshetra.

The matter of providing sound system in Jubilee Hall, Senate Hall & Board Room in the Golden Jubilee Administrative Block at NIT, Kurukshetra was discussed in detail. It was recommended that the work be allotted to CPWD.

Meeting ended with a vote of thanks to the Chair.

Executive Engineer

Asstt. Engineer (Civil)

J.E. (C)

J.E. (E)

(on leave)
Prof. I/C (E & C)

(on leave)
Prof. I/C (EM)

Dean (P & D)

Dean (FW)

Dean (Estate)

Director's Office,
Received on 11.12.2012
Time 11:00 AM
NIT, KURUKSHETRA.



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



कार्यालय:
अधीक्षण अभियन्ता (वै०)
चण्डीगढ़ केन्द्रीय वैद्युत परिमंडल,
के०लो०नि०वि०, सेक्टर-९(ए), चण्डीगढ़-160019

Office of the:
SuperIntending Engineer (E),
Chandigarh Central Elect. Circle,
CPWD, Sector-9(A), Chandigarh-160 019
Email:- seecccec.chd.cpwd@nic.in

सं०.23(130)/च०के०वै०परि०/2013-14/ 1142

दिनांक - ०८/०९/२०१४

To

The DEAN (Estate),
National Institute of Technology,
Kurukshetra (Haryana).

Sub: ~~Revised~~ Preliminary Estimate for the works:-

1. Providing Audio System in Jubilee Hall at NIT Kurukshetra. Rs.1,17,46,700/-.
2. Providing Audio System in Senate Hall at NIT Kurukshetra. Rs.90,01,020/-.
3. Providing Audio System in Board Room of New Admn. Block at NIT Kurukshetra - Rs..12,63,360/-

Ref: Your Letter No.CC/58/1955 dated 11.04.2014.

With reference to above referred letter, enclosed please find herewith 3 Nos. preliminary estimates for the aforesaid work for obtaining Administrative Approval and Expenditure Sanction from the competent authority.

The necessity of framing these preliminary estimates has been fully explained in the history sheets of the preliminary estimates.

The copies of the preliminary estimates duly approved may be sent to this office for further necessary action clearly indicating Head of Account.

संलग्न:- उपरोक्तानुसार

अधीक्षण अभियन्ता (वैद्युत)
चण्डीगढ़ केन्द्रीय वैद्युत परिमंडल
के० लो० नि० वि०. चण्डीगढ़।

प्रतिलिपि:-

1. The Executive Engineer (E), KCED, CPWD, Karnal alongwith copies of the preliminary estimates with reference to his letter No.20(38)/KCED/DB/Karnal/2014/987 dated 28.05.2014.

अधीक्षण अभियन्ता (वैद्युत)

GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: E&M

Circle: CCEC
Division: KCED Karnal

Name of Work:- Providing Audio System in Board Room of New Admn. Block at NIT Kurukshetra.

Head of Account: Deposit Work

This preliminary estimate has been framed by Er. Lakhbir Singh, Executive Engineer (Electrical), Karnal Central Elect. Division, CPWD, Karnal and processed in the office of Superintending Engineer (E), Chandigarh Central Electrical Circle, CPWD, Chandigarh for the probable cost of Rs.12,63,360/- including contingencies.

REPORT

History:- This preliminary estimate amounting to Rs.12,63,360/- including contingencies has been framed to cover the cost of above cited work for obtaining Administrative Approval & Expenditure Sanction from the competent authority. The estimate has been prepared as per requisition received from DEAN (Estate), National Institute of Technology, Kurukshetra vide letter No.CC/58/1955 dated 11.04.2014.

Design & Scope: Following provisions have been kept in this estimate.

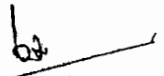
- 1) Digital Chairman Unit.
- 2) Digital delegate Units.
- 3) Discussion central control unit.
- 4) Wire less handheld/Wireless lapel/Podium mic
- 5) 240 W @ 4/100 V Ohm power amplifier
- 6) High quality 4-inch Co-Axial Two Way 30 watt ceiling loudspeakers speaker
- 7) Lighting Automation.

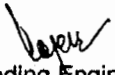
Method: Through Contract

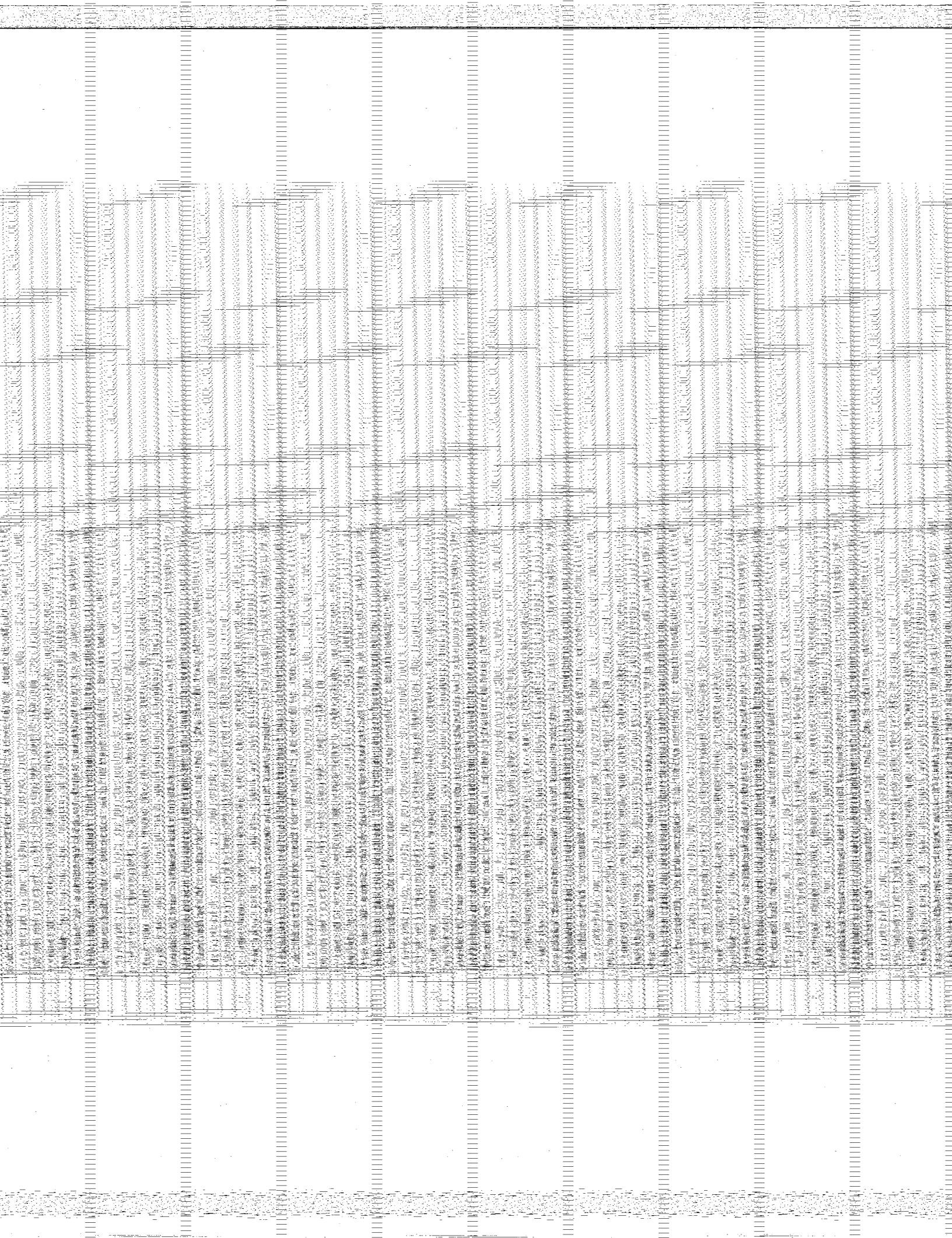
Rates: Market Rate

Time: 3 Months

Cost: Rs.12,63,360/- including contingencies


Assistant Engineer (E)P
Chandigarh Central Electrical Circle
CPWD, Chandigarh.


Superintending Engineer (E)
Chandigarh Central Electrical Circle
CPWD, Chandigarh.



Subject: Minutes of the meeting held on dated 28.08.2014 at 11.30 am in the office of the Director with Hon'ble Chairman BOG, Mr. K.N. Rai, Former Chief Executive & Advisor, Ministry of Defense (DRDO), Director, NIT Kurukshetra, Dean (FW), Dean (SW), Dean (Estate) & Registrar regarding security aspects of NIT Kurukshetra.

- I
 - a. Before the start of the meeting the Hon'ble Chairman BOG and Mr. K.N. Rai, Former Chief Executive & Advisor Ministry of Defense (DRDO) inspected vulnerable spots of the campus along the boundary wall and also visited residence of Prof. S.S. Rattan along with the Dean (Estate).
 - b. The report of the committee appointed by the Director for the enquiry on the incidence of attack on the Professor of the Institute was discussed and reviewed that various inputs given by the committee for improvement of security system.
 - c. The report of security officer was also studied.
- II Taking into account all the issues and deliberations on security, the following recommendations are made:
 1. **Height and size of perimeter wall:** It was resolved that the height of boundary wall all along the periphery be 7 ft above the ground level and Concertina coil of approximately 40 cm. diameter be placed over the wall all around. The cost estimate of this work be discussed in Building Works Committee meeting and placed for approval in the ensuing BOG meeting.

Peripheral area should be cleared all along the boundary wall so that security personnel can move around to check any illegal entry from the wall.
 2. **Main Entry and Exit Points:** The entry & exit points of the Institute be limited to 2 or 3.
 3. **Security Checks at Gates:** The above mentioned gates should have proper security posts to check the entry & exit of persons or vehicles.
 4. **Manpower and Vehicle Check:** The registration numbers of all the vehicles along with the time of entering into the campus and leaving the campus must be recorded.
 5. **System of Identity Cards & Vehicle Stickers:** All Institute employees, employees engaged through outsourcing, all shopkeepers inside the premises should have identity cards which should be displayed their person.
 6. **CCTV Surveillance and Recording System:** All the Gates through which entry & exit is taking place must have CCTV surveillance camera whose data should be stored in the recording/control room of security.
 7. **Identification of Servants and Casual Workers:** There should be police verification of all the domestic servants, street hawkers, news-paper vendors, etc. All casual workers engaged by CPWD must stay in a segregated place in the campus and CPWD should issue tokens to contractors/ workers for entering and exiting from the campus.
 8. **Security Guards at Checking Points and Night Patrolling:** Apart from security guards at sensitive locations there should be patrolling of the entire campus by security vehicle(s). There should be more patrolling during the day time in the residential and hostel area.
 9. **Arrangement with Local Police:** The Institute authorities must have proper liaison with the nearest police station and the contact details of SHO of the area must be displayed prominently for the people to contact in the hour of needs.

[Handwritten signatures and initials]

10. Verification of Security Agency and their Employees:

Since the security services to the Institute are being undertaken by an agency recognized by DGR and PSARA and all are ex-servicemen. Hence, it is satisfactory. Their number may be augmented.

11. Regulation/ Record of Students Movement out of Campus: It was suggested that students entry & exit from the campus should be monitored through swipe card.

12. Regular Security Drills and General Awareness of Residents: It was observed that there are requirements of regular security drills by the security personnels and making residents aware about general security related issues.

13. Street and Area Lighting: It was observed that the illumination level in the Institutional and Hostel area is satisfactory, however, the residential area illumination level is less. It was resolved that there is a need of extending bulk supply in the residential area to address this issue.

14. Surprise Check on Residents: There should be surprise checks on the occupants of the houses to ensure that there is no subletting and any illegal person is staying.

15. A protocol will be prepared for taking any emergent action needed in the residential area. This will included identifying two faculty members (on rotation basis for every month) to be incharge for the residential area for any one to get necessary help.

16. A detailed security manual will be prepared for implementation.

III

In addition to the above following points were identified for action.

- a. Illegal Huts of Ex-employees within the premises of NIT Kurukshetra be removed.
- b. One or two faculty members of the Institute be given the responsibility of Estate Manager so that they can be contacted for any emergency needs.
- c. The PWD complex within the NIT Campus may be moved out as they are not being assigned any work of NIT. In the mean time their portion may be segregated by a wall.
- d. If possible a space for security be earmarked in which temporary structures may be made for stay of about 30 security personnels with the provision of cooking and toilet. This will be helpful in meeting the requirement of security personnels in exigency by the Institute.

IV

It is resolved all the above recommendations and actions will be placed before the next BOG meeting in September, 2014.

The meeting ended with a vote of thanks to the Chair

[Signature]
28/8/14
Dean (Estate)

[Signature]
(K. N. RAH)
Former Chief Executive &
Advisor Ministry of Defence
(DRDO)

[Signature]
Hon'ble Chairperson
BOG
28/8/2014

Most urgent

[Signature]
Copy for necessary action to:
1. Dean FW
2. Dean SW
3. Dean Estate
4. Chief Warden Bungalows
5. DRGA
Kindly take the necessary
action and send details for
the BOG scheduled

As discussed with the Hon'ble Chairman BOG by Dean (Estate), on 28-08-2014 during his visit in the Institute. It was decided that the peripheral path is required along the external boundary wall of the Institute for inspection and security point of view. It was also decided to take up the matter with CPWD to get cost estimate for the above cited work, so that the same may be putup before the Building & Works Committee in its ensuing meeting.

In view of the above, Hon'ble Director is requested to accord the approval for getting the estimate from CPWD for the above cited work.

[Signature]
28/8/14
Dean (Estate)

Director

[Signature]
05/9/14

[Signature]
Dean (Estate)

[Signature]
for N. H.
07/9/14

JEC
SA - *[Signature]*
07/9/14

11/7/13

158

11/7/13

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कार्यालय अधीक्षण अभियंता, चण्डीगढ़ केन्द्रीय परिमण्डल,
के.लो.नि.वि., केन्द्रीय सदन, दूसरा तल, सैक्टर 9-ए, चण्डीगढ़-160009

संख्या: च.के.परि./23(4515)/W-III/ 1592
सेवा में,

दिनांक: 8/7/13

✓ The Registrar,
National Institute of Technology,
Kurukshetra.(Haryana)

विषय: Peripheral road along the boundary wall of the Institute for security and
maintenance purpose at NIT, Kurukshetra. (NITOT/HI/2013/7)

महोदय,

उपरोक्त कार्य का रूपये 2,03,60,300/- (Rs. Two crore three lac sixty thousand three hundred only) राशि का प्रारम्भिक अनुमान इसके साथ दो प्रतियों में संलग्न किया जाता है। इस कार्य के लिए आवेदन आपके पत्र संख्या CC/176/4078 दिनांक 14.06.2013 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 (हैड ऑफ एकाउंट) का भी उल्लेख करने की कृपा करें।

संलग्न: अनुमान दो प्रतियां।

भवदीय

अधीक्षण अभियंता,
Telefax : 2743923

प्रतिलिपि:-

1. मुख्य अभियंता (उ.अं.-1), के.लो.नि.वि., चण्डीगढ़।
2. अधीक्षण अभियंता (वै.), चण्डीगढ़ केन्द्रीय वैद्युत परिमण्डल, के.लो.नि.वि., चण्डीगढ़।
3. कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की एक प्रति सहित
4. कार्यपालक अभियंता (वैद्युत), करनाल केन्द्रीय वैद्युत मण्डल, के.लो.नि.वि., करनाल।
5. सहायक अभियंता (मु०), चण्डीगढ़ केन्द्रीय परिमण्डल, के.लो.नि.वि., चण्डीगढ़।

संलग्न: उपरोक्त।

अधीक्षण अभियंता

15/7/13
13/7/13

Deaf Estate
11/7/13

15/7/13
19/7/13

Estimate checked & found
15/7/13

15/7/13

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

State HARYANA

DIVISION KARNAL CENTRAL

Branch KARNAL

SUB-DIVISION KARNAL CENTRAL

Name of Work: Peripheral road along the boundary wall of the Institute for security and maintenance purpose at NIT, Kurukshetra.

Major Head	Minor Head	Detailed Head
------------	------------	---------------

This detailed preliminary estimate has been framed by Er. Varun Kumar, Executive Engineer, Karnal Central Division, CPWD, Karnal and further processed by Er. R.K. Gandhi Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh for Rs. 2,03,60,300/- i/c 3% contingencies.

REPORT

History:- This preliminary cum detailed estimate amounting to Rs. 2,03,60,300/- i/c 3% contingencies has been framed to cover up the probable cost of above mentioned work for accord of A/A & E/S of the competent authority. The requisition for the above said work has been received from client deptt. Vide letter No. CC/176/4078 dated 14.6.2013 to submit fresh estimate if there is any escalation in cost. Hence this estimate has been prepared. This cost may change due to revision of cost index and change in scope of work.

Design:- Following provision has been made (for civil work only) in the estimate:-

1. Preparation of sub grade.
2. P/L GSB, WMM of 15cm thick and 10cm thick respectively.
3. P/L bituminous macadam 50 to 100mm, 2.5cm thick premix Carpetting.
4. Pdg. & apply tack coat on WMM & bituminous surface.

Specification:- As per CPWD Specification 2009 vol to II with upto date correction slip.

WC Establishment:- Shall be met out of contingencies.

T & P:- Shall be arranged by the contractor.

Land:- Available.

Rate:- By contract after call of tender.

Method:- Based on DSR-2012 with upto date correction slips.

Time:- Six months after receipt of A/A & E/S

Cost:- 2, 03, 60,300/-

Assistant Engineer (P) III

CCC, CPWD Chandigarh


Executive Engineer (P)

CCC CPWD Chandigarh

ABSTRACT COST

Name of work	Peripheral road along the boundary wall of the Institute for security and maintenance purpose at NIT Kurukshetra.					
SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1.00	EARTH WORK					6
1.1	Brick edging 7cm wide 11.4cm. deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	7974	metre	26.05	207723.00	6.44
	Sub- Total				207723.00	
2.00	ROAD WORK					16
2.1	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.	14360	sqm	61.25	879550.00	16.1
2.2	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 :					16.3
2.2.1	On W.B.M. @ 0.75 Kg / sqm.	14360	sqm	40.15	576554.00	16.30.1
2.2.1	On bituminous surface @ 0.50 Kg / sqm	14360	sqm	29.00	416440.00	16.30.2
2.3	2.5 cm premix carpet surfacing with bitumen emulsion.	14360	sqm	150.90	2166924.00	16.39
2.4	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 equipod 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 specifications and directions of Engineer-in-Charge.					16.55
2.4.1	50 to 100 mm average compacted thickness with bitumen of grade VG-30 @3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	1077	cum	6149.90	6623442.00	16.55.2
2.6	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.					16.78
2.6.1	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30.	2154	cum	1940.80	4180483.00	16.78.1
2.7	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher 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.	1436	cum	1960.60	2815422.00	16.79

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
	Sub-Total				17658815.00	
	Total				17866538.00	
	Add Cost Index @5.37%				959433.00	
	Total				18825971.00	
	Add Contingencies @ 3%				564779.00	
	Total				19390750.00	
	Add Labour Cess @ 1%				193908.00	
	Total				19584658.00	
	Add : VAT @ 4%				775630.00	
					20360288.00	
	Say Rs. 2,03,60,300/--					
	Assistant Engineer (P) III CCC, CPWD Chandigarh			Executive Engineer (P) CCC CPWD Chandigarh		
	Preliminary Estimate amounting to Rs. 2,03,60,300 (Two crore ninety three lacs sixty thousand three hundred only) submitted to client department for obtaining A/AE E/S of competent authority.					
	Superintending Engineer Chandigarh Central Circle CPWD, Chandigarh.					

of work — Peripheral road along the Boundary wall of the Institute for security and maintenance purpose at NIT, Kuvempu.

Length of Road along B/wall —

- (i) Parallel to Kishinch Road = 1222.51 mtr
 - (ii) Kishinch Road to Sewer Disposal = 877.73 mtr
 - (iii) Sewer Disposal to PWD Colony = 951.09 mtr
 - (iv) PWD Colony to 33 KV substation = 639.55 mtr
 - (v) 33 KV substation to Kishinch Road = 296.12 mtr
- Total 3987.00 mtr. (B)

Item No. 1 Preparation and consolidation of sub grade. —

$$1 \times 3987.00 \times 3.60 = 14353.20 \text{ cum}$$

Qty 14360-cum (A)

@ Rs 61.25/cum.

Rs 879550

Item No. 2 P/A Applying tack coat

(i) 16.30.1 on WBM @ 0.75 kg/sq

Qty same as marked (A) of Item No 1

14360-cum

(ii) 16.30.2 on bituminous surface @ 0.50 kg/sq.

@ Rs 40.15/sq

Rs 576554

Item No. 3

16.39.3 4 cm thick bituminous sheet.

Qty same as marked (A) i.e 14360-cum

14360-cum

@ Rs 352.45/cum

Rs 5061182

Item No. 4

P/L bituminous macedon —

(i) 50 to 100 mm

Qty for macedon (A) i.e 14360-cum

$$1 \times 14360 \text{ cum} \times 0.075 = 1077.00 \text{ cum}$$

@ Rs 6149.70/cum

Rs 6623442.7

1/4" top layer 2.5 mm thick road marking

$$1 \times 2 \times 3987 \text{ m} \times 0.10 = 797.40 \text{ m}$$

Add 20% for
compaction etc.

$$159.48$$

$$956.88 \text{ sqm.}$$

$$\text{at } 960 \text{ m/sq}$$

$$\text{at } 505.80/\text{sqm.}$$

$$[Rs 485588]$$

$$\frac{6}{1678.1}$$

40 granular sub base

Qty for this no 1 marked (A) i.e 14360 sqm

$$1 \times 14360 \text{ m} \times 0.15 = 2154 \text{ cum}$$

$$\text{at } 1940.80/\text{cu} [Rs 418048]$$

$$\frac{7}{1679.}$$

1/2 spreading and compacting WMM

Qty for this no 1 marked (A) i.e 14360 cum

$$1 \times 14360 \text{ m} \times 0.15 = 2154 \text{ cum}$$

$$\text{at } 1960.60/\text{cu}$$

$$[Rs 4223132]$$

$$\frac{8}{6.44}$$

Brick edging 7 cum width 11.4 cm

length of road

Qty for this no 1 marked (A) i.e 3987 mt.

$$1 \times 2 \times 3987 \text{ m} = 7974 \text{ mt}$$

$$\text{at } 26.05/\text{mt} [Rs 207723]$$

$$\text{Total Rs } 22237634$$

$$\text{Add CR } 5.37\% \quad 1194161$$

$$23431795$$

$$\text{Add contingency } 3\% \quad 702954$$

$$2,41,34,749/-$$

$$\text{Roughly Rs } 2,41,35,000$$

19.12

To consider & approve the provision for resurfacing and widening of existing roads in Residential Campus and Institutional area at NIT, Kurukshetra.

The cost estimate for widening and strengthening of existing roads at NIT, Kurukshetra was put up before the B&WC in its 16th meeting held on 18.12.2013 vide item No. 16.18. The B&WC deferred the agenda item for revision of cost estimate so as to include the expenditure for shifting of electric poles to the central verge of roads. The work of shifting of electric poles has been delayed pending submission of master plan of the Institute by the CPWD. There is an urgent need of resurfacing of roads as further delay may worsen their condition. Superintending Engineer, CPWD, Chandigarh Central Circle, CPWD, Chandigarh has submitted the cost estimate for the provision of resurfacing and widening of existing roads in Residential Campus and Institutional area at NIT, Kurukshetra. Amounting to Rs. 2,14,50,600/-.

The B & WC may consider and approve the cost estimate for the above cited work for an amount of Rs. 2,14,50,600/-.

- 16.16 To consider & approve the Cost Estimate for covering of Newly Constructed Graded seating arrangement for 2000 persons in Open Air Theatre at NIT, Kurukshetra.

The Building & Works Committee approved the Cost Estimate of Rs. 305.60 lacs for covering of Newly Constructed Graded seating arrangement for 2000 persons in Open Air Theatre at NIT, Kurukshetra.

- 16.17 To consider & approve the Cost Estimate for Provision of lifts for persons with disabilities (PwD) at various locations in the Institute.

The Building & Works Committee approved the Cost Estimate of Rs. 262.87 lacs for Provision of lifts for persons with disabilities (PwD) at various locations in the Institute.

Further, it was resolved that an agenda item be brought in the next B&WC meeting for consideration for the provision of lifts/ramps/hydraulic platform in left out areas of the instructional buildings, guest house and hostels etc.

- 16.18 To consider & approve the Cost Estimate for Widening & strengthening of existing roads at NIT, Kurukshetra.

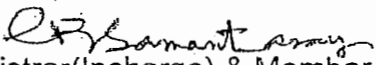
The Building & Works Committee deferred the above agenda item for revision of cost estimate so as to include the expenditure for shifting of electric poles to the central verge of roads.

- 16.19 To consider & approve the cost estimate for Construction of multi-storey building for four schools for PG Study & Research at NIT, Kurukshetra.


The Building & Works Committee resolved that the above agenda item be deferred till the next meeting of B&WC so as to place a revised cost estimate which excludes provision of basement.

It was also resolved that the next meeting of B&WC be held in first fortnight of February, 2013.

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


Registrar(Incharge) & Member-Secretary
Building & Works Committee,
NIT, Kurukshetra

Authenticated


Director, NITK & Chairman,
Building & Works Committee,
NIT, Kurukshetra

Subject: Minutes of High Power Committee meeting held on 12-07-2013 to discuss various issues related to development/construction works under Estate Section/construction cell. (Revised as per suggestions given by Hon'ble Director, NIT, Kurukshetra)

A meeting of High Power Committee was held on 12-07-2013 at 11:30 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

1.	Dean (P & D)	Chairman
2.	Dean (Estate)	Member
3.	Prof. I/C (E&C)	Member
4.	Prof. I/C (H&L)	Member
5.	Asstt. Engineer	Special Invitee
6.	J.E. (C)	Special Invitee
7.	J.E. (E)	Special Invitee

Following issues were discussed and resolved as under:

1. To finalize the space requirement & other facility to be provided for 300 seater Multi-purpose Boys Hostel including 100 suits for foreign students, research scholars and married PG Students. (Multi-storeyed framed structure):
 - (a) 200 seater boys hostel - Accommodation as per norms.
 - (b) 100 nos. for foreign students, research scholars married students. The matter was discussed and it was resolved that accommodation should provide kitchen, living room, attached bathroom and drawing room. Separate blocks be constructed for the two facilities with independent entry.
2. Finalization of Master Plan for the Institute details of existing facility, future requirement of residential non-residential & sports amenities. The matter was discussed and it was proposed that the space for various newly planned building in future be as under:

Sr. No.	Name of work	Proposed location
1	Gymnasium Hall	Near Swimming Pool
2	Community Centre	Amla Bagh.
3	Convocation Hall	Back side of Hostel No. 1 & 2.
4	Teaching Club	Amla Bagh
5	300 seaters multi-purpose boys hostel	North of Mega Hostel
6	Non-Teaching Club	West side of CC-type
7	Kendriya Vidhyalaya	Back side of Hostel No. 1&2.
8	Rose Garden	Close to STP
9	Examination Hall	East of existing Examination Hall
10	Market expansion	North of existing
11	Training & placement building	North-East of LHC.
12	New research school building	East of LHC
13	Expansion of existing department	South of MBA/MCA building, on the other side of main drain
14	Faculty residences	(i) Professor and Associate Professor - similar 6 storey complex north of existing complex. (ii) Assistant Professor residences near existing residences in Chanderalok.
15	Non-Teaching residences	Back side of F-Type Houses
16	33kv sub-station	Back side of Hostel No. 1&2
17	Solar power plant	On roof top of existing buildings
18	Students canteen	In New Market complex.
19	Expansion of students activity centre	Adjacent to existing.

3. Shifting existing fencing in-front of Hostel No. 4 & 5, 15'-20' towards the hostel side.
The existing fence in-front of Hostel No. 4 & 5 be shifted inside side by 15-20 feet as per site requirements for widening of road.

P.T.O.

For P. n. a. b. p.

4. To discuss scope of works for various buildings approved by Hon'ble Director for getting estimates from CPWD.
- (a) Property counter facility for students in library & expansion of library building.- To discuss with Librarian.
- (b) Shifting of boundary wall of Director residence - To discuss with Architect.
- (c) Fire fighting in the Institute & Hostels - Cylinder type.
- (d) Re-surfacing & widening of existing roads in residential & Institutional area.
Widening & strengthening including path ways of all existing roads in Institutional and Residential area as per site condition.
- (e) Provision of Additional houses for Faculty & Non-Teaching staff.
 - Additional 70 nos. houses for Professors.
 - Additional 100 nos. Associate Professors houses.
 - Additional 20 nos. E type & 20 nos. F type houses for Non-Teaching staff.
- (f) Provision of office Chamber for faculty & additional Lecture/Tutorial rooms.
The matter was discussed in detail and it was resolved that the provision of 250 nos. faculty office chambers, 20 nos. lecture rooms and 30 nos. tutorial rooms, 5 nos. conference rooms of 200 capacity with AC facility be made.
- (g) Provision of Additional Examination Hall.
Additional floor on existing Examination Hall and another similar 3 storey hall East side of existing Examination Hall.
- (h) Provision of 4 nos. ATMs in the Campus.
The matter was discussed in detail and it was resolved to provide 1 no. ATM near Mega Boys Hostel, 1 no. near Girls Hostel and 2 nos. in front of library.

Any other items. Following decisions were taken.

- (i) Renovation of existing lecture theatre.
- (ii) Protection for power point projectors at various location in the Institute.
- (iii) Repair/replacement of damaged acoustic tiles in LHC block.
- (iv) Locking arrangement of solar light batteries.
- (v) Shifting of boundary wall of BB-9, BB-10 & BC-4 to BC-6 houses.
- (vi) One additional floor be constructed for Mechanical Engg. Deptt., Civil Engg. Deptt., AM Block & AB Block.

Meeting ending with the thanks to the Chair.

(S.N. Kaushik)
Asstt. Engineer

(Ashwani Jain)
Prof. I/C (E&C)

(V.K. Arora)
Dean (P&D)

(Lalit Kumar)
J.E. (C)

(Satinder Pal Singh)
J.E. (E)

(Anil Dahiya)
Prof. I/C (H&L)

(K.K. Singh)
Dean (Estate)

Registrar
27/11/13

Director

Dean (Estt.)

06/12/13

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
चण्डीगढ़ केन्द्रीय परिमण्डल
केन्द्रीय सदन, सैक्टर-9ए, चण्डीगढ़-160009

संख्या:-च.के.परि./23(4515)नि.3/ 3110

दिनांक:- 6/12/13

सेवा में,

✓ The Registrar,
National Institute of Technology,
Kurukshetra (Haryana).

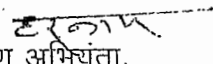
विषय:- :- Resurfacing and widening of existing roads in residential and institutional area at NIT, Kurukshetra.
PROJECT ID : N10T/HR/2013/1

महोदय,

उपरोक्त कार्य का 2,14,50,600/- रुपये राशि का प्रारम्भिक अनुमान इसके साथ दो प्रतियों में संलग्न किया जाता है। इस कार्य के लिए आवेदन आपके पत्र संख्या: CC/176/4078 dated 14-6-2013 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 (हैड ऑफ अंकाउंट) का नाम भी उल्लेख करने की कृपा करें।

संलग्न: अनुमान दो प्रतियां।

भवदीय


अधीक्षण अभियंता,
Telefax : 2743923

प्रतिलिपि: -

- 1 मुख्य अभियंता (उ.अं-1), के.लो.नि.वि., केन्द्रीय सदन, सैक्टर-9/ए, चण्डीगढ़।
- 2 कार्यपालक अभियंता, करनाल केन्द्रीय मण्डल, के.लो.नि.वि., करनाल को अनुमान की एक प्रति सहित।

/

अधीक्षण अभियंता

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: HARYANA

DIVISION: KARNAL CENTRAL

BRANCH: B&R

Name of work :- Resurfacing and widening of existing roads in residential and institutional area at NIT, Kurukshetra.

Major Head:

Minor Head:

Detailed Head:

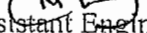
This preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Divn, CPWD, Karnal and further processed by Er. R.K. Gandhi, Executive Engineer (P), Chandigarh Central Circle, CPWD, Chandigarh of the probable cost of Rs.2,14,50,600/- i/c 5% contingencies.

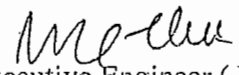
REPORT

History: This preliminary estimate amounting to Rs. 2,14,50,600/- i/c 3% contingencies has been framed to cover up the probable cost of the above mentioned work for obtaining A/A & E/S from the competent authority. The requisition for the above work has been received from NIT vide letter No.CC/176/4078 dated 14-6-2013 Hence preliminary estimate has been framed to obtain A/A & E/S from the competent authority.

Design & Scope: Following provision has been made in the estimate:-
1 Widening of existing roads with GSB grade 1,2 and bituminious macadam.
2 Providing and fixing kerb edging.
3 Providing and laying bituminous concrete on old surface and new surface.
4 Providing and laying factory made kerb stone.

Specifications: As per CPWD specification 2009 Vol-I to II. With up to date correction slip.
Rate: As per DSR- 2013.
Amount: Rs. 2,14,50,600/- i/c 3% contingencies.
W.C.Estt.: Shall be met out of contingencies.
T&P:- Shall be arranged by the contractor.
Land: Available.
Method: By contract after call of tenders.
Time allowed: 06 Month after receipt of A/A & E/S.


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


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

ORIGINAL ESTIMATE						
Name of Work:- Resurfacing and widening of existing roads in residential and institutional area at NIT Kurukshetra.						
SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	CONCRETE WORK					4
1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
1.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	420	cum	3672.80	1542576.00	4.1.10 SR
1.2	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), including the cost of required centering, shuttering complete.					4.6
1.2.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 0mm nominal size)	140	cum	5160.60	722484.00	4.6.1 SR
	Sub-Total				2265060.00	
2	FINISHING					13
2.1	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.					13.52
2.1.1	On concrete work	870	sqm	114.30	99441.00	13.52.2 SR
	Sub-Total				99441.00	
3	ROAD WORK					16
3.1	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.	7100	sqm	73.55	522205.00	16.1 SR

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.	
3.2	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 mplete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy :					16.36	SR
3.2.1	For 75 mm compacted thickness in two layers using stone ggregate of size 63-41 mm graded @ 0.90 cum per 10 sqm key aggregate of size 20.0 mm graded @ 0.18 cum per 10 sqm. With paving asphalt grade VG - 10 @ 68 kg/10 sqm.	5700	sqm	552.95	3151815.00	16.36.2	
3.3	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 :					16.3	
3.3.1	On W.B.M. @ 0.75 Kg / sqm	5700	sqm	43.65	248805.00	16.30.1	SR
3.3.2	On bituminous surface @ 0.50 Kg / sqm	20035	sqm	31.75	636111.00	16.30.2	SR
3.4	Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.					16.48	
3.4.1	New work (Two or more coats)	1077	sqm	112.75	121432.00	16.48.1	SR

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.	
3.5	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 equipped 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.					16.57	
3.5.1	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.	1000	cum	9502.40	9502400.00	16.57.1	SR
3.6	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).	40	cum	5236.95	209478.00	16.69	SR
3.7	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.					16.78	

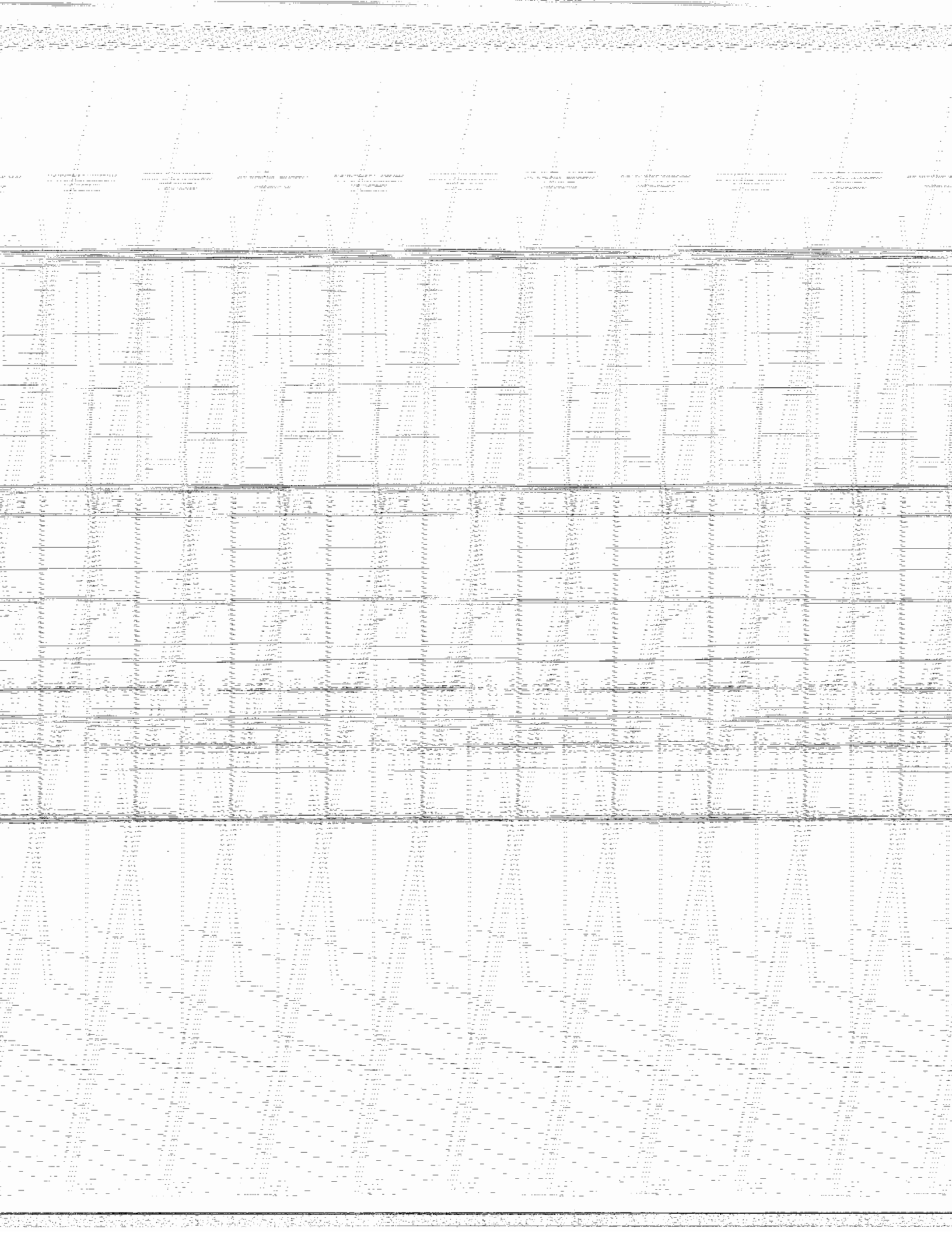
Name of works - Resurfacing and widening of existing roads in residential and institutional areas.

With kerb stone	Centerline chowk to T.W. Nos Coincu.	= 315.00 m.	Exstg road width 12'	After widening 18'
(2) ch	T.W. Nos to F-Type Sli	= 580.00 m	12'	18'
(3) do	Guest House to F Type ch	= 420.00 m	12'	18'
(4)	DB Type to F Type ch	= $4 \times 210 \text{ m} = 840$	12'	18'
(5)	Between G Type Sli	= 100 m	12'	18'
(6)	bet CA Type & GAType	= 105 m	12'	18'
(7)	Along Park	= 150 m	12'	18'
(8)	bet BC, CB & BB type Sli	= $3 \times 150 \text{ m}$	12'	18'
work is done	In front of Gula Holes	= $\frac{2450 \text{ m}}{20} = 122.5 \text{ m}$ (A)	12'	21'

Recapitalizing only:

Guest house to CTR ch = $1 \times 210 \text{ m} = 210$ — 18' — B

In front of Gula holes & CBE Dept = $1 \times 295 \text{ m} = 295$ — 21' — E



Tabled Item No. 19.14 To consider & approve the Cost Estimate for provision of construction of Type-II and Type-III houses for Non-teaching staff at NIT, Kurukshetra

The above mentioned work was placed before the High Power Committee in its meetings held on 12.7.2013 & 20.3.2014 which is also approved by the Hon'ble Director, NIT, Kurukshetra. Executive Engineer, CPWD, Karnal has submitted the cost estimate amounting to Rs. 9,32,60,600/-.

The Building & Works Committee may consider and approve the cost estimate for the above cited work for an amount of Rs. 9,32,60,600/-.

GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :- HARYANA

DIVISION:- KARNAL CENTRAL DIVISION

BRANCH:- B&R

Name of work:- C/o Additional Type-III/ 20 Nos. (E-Type) and Type-II/20 Nos. (F-Type) houses for non-Teaching staff at NIT Kurukshetra including Water Supply, Sanitary Installations & Electrical Installations.

Major Head	Minor Head	Detailed Head
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The preliminary estimate framed by Er. Varun Kumar, Executive Engineer, Karnal Central Division, CPWD, Karnal and further processed by Er. Sunil Kumar, Executive Engineer(P), O/o CE(NZ-I), CPWD, Chandigarh of the probable cost of ` 9,32,60,600/- including 3% contingencies.

REPORT

HISTORY:- This preliminary estimate amounting to ` 9,32,60,600/- including 3% contingencies has been framed to cover up the probable cost of above mentioned work for accord of A/A & E/S of the competent authority. The requisition for the above said work has been received from NIT vide letter No. CC/129/6086 dated 02.09.2014. Hence, preliminary estimate has been framed to obtain A/A & E/S from the competent authority. The following Architectural drawings have been followed for preparation this PE.

Sr. No.	Drawing No.	Description
1.	SA(CHD/366/T-III/01	Ground Floor Plan
2.	SA(CHD/366/T-III/02	Typical Floor Plan
3.	SA(CHD/366/T-III/03	Front Elevation
4.	SA(CHD/366/T-III/04	Rear Elevation
5.	SA(CHD/366/T-III/05	Section at AA
6.	SA(CHD/366/T-III/06	Stilt Floor Plan
7.	SA(CHD/366/T-III/07	Front Elevation
8.	SA(CHD/366/T-III/08	Rear Elevation
9.	SA(CHD/366/T-III/09	Section at AA
10.	SA(CHD/366/T-II/10	Ground Floor Plan
11.	SA(CHD/366/T-II/11	Typical Floor Plan
12.	SA(CHD/366/T-II/12	Front Elevation
13.	SA(CHD/366/T-II/13	Rear Side Elevation
14.	SA(CHD/366/T-II/14	Section at AA
15.	SA(CHD/366/T-II/15	Stilt Floor Plan
16.	SA(CHD/366/T-II/16	Front Elevation
17.	SA(CHD/366/T-II/17	Rear Side Elevation

DESIGN & SCOPE: The Following provisions have been made in the Estimate:-

1. RCC framed structure (G+3).
2. The broad specifications, amenities & services (Civil & Elect) shall be as per PAR 2012

GENERAL ABSTRACT OF COST					
Name of work:- C/o Additional Type-III/ 20 Nos. (E-Type) and Type-II/20 Nos. (F-Type) houses for non-Teaching staff at NIT Kurukshetra including Water Supply, Sanitary Installations & Electrical Installations.					
Sl.No.	Description	Civil	Electrical	Total	Remarks
1	Building Work	66380422.00	14670761.50	81051183.50	Annexure-A
2	Development Work	--	8622430.00	8622430.00	Annexure-B
			Total	89673613.50	
			Add Labour Cess @ 1%	896736.00	
				90570349.50	
			Add 3% contingencies	2690208.00	
			Grand Total	93260557.50	
			Say `	93260600.00	
Assistant Engineer (P) CPWD, Chandigarh.		Executive Engineer (P) CPWD, Chandigarh.		Superintending Engineer(P) CPWD, Chandigarh.	
Preliminary Estimate amounting to ` 9,32,60,600/- (Rupees Nine Crore Thirty Two Lacs Sixty Thousand and Six Hundred only) submitted to client Deptt. for accord of A/A & E/S.					
		Chief Engineer (NZ-I) CPWD, Chandigarh.			

Preliminary Estimate

Name of Work: C/o Additional Type-III/ 20 Nos. (E-Type) and Type-II/20 Nos. (F-Type) houses for non-Teaching staff at NIT Kurukshetra including Water Supply, Sanitary Installations & Electrical Installations.

S.No	Description	Qty	Unit	Rate	Amount	Remarks
						PAR 2012
A.	Civil Work					
1	R.C.C. FRAMED STRUCTURE (Specification as per Annexure II)					1
1.1	R.C.C. framed structure upto six storeys.					1.1
1.1.1	Floor height 2.90mtr. (Resi. Qtr.)	2990	sq.mtr.	16000.00	47840000.00	'A' 1.1.2A
1.2	EXTRA FOR:					1.2
1.2.1	Every 0.3mtr. additional height of floor above normal floor height of 3.35mtr./ 2.90mtr.	2990	sq.mtr.	270.00	807300.00	1.2.3
1.2.2	Every 0.3mtr. deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	897	sq.mtr.	270.00	242190.00	1.2.5
1.2.3	Resisting earth quake forces.	2990	sq.mtr.	1140.00	3408600.00	1.2.8
1.3	STILT PORTION					1.8
1.3.1	Stilt portion of a multi storey RCC structure (upto height of 3.35 m) applicable area only.					1.8.1
1.3.1.1	Residential	598	sq.mtr.	9850.00	5890300.00	'B' 1.8.1.4
2	SERVICES					3
2.1	Internal water supply & sanitary installations on 'A'	47840000	%	12.00	5740800.00	3.1G
2.2	External services connections on 'A'.	47840000	%	3.75	1794000.00	3.2
					65723190.00	
	Add Cost index @ 1%	65723190	%	1.00	657232.00	
					66380422.00	
B.	Electrical Work					
1.1	Internal electric installations on 'A' & 'B'.	53730300	%	12.50	6716287.50	3.3
	Extra for :					
1.2	Telephone conduits on 'A'	47840000	%	0.50	239200.00	3.6.4
1.3	Lightening conductors - 5 to 8 storeyed on 'A'	47840000	%	0.33	157872.00	3.6.3.2
1.4	Centralized Intercom System on 'A'.	47840000	%	1.00	478400.00	3.6.5
1.5	External services connections on 'A'.	47840000	%	1.25	598000.00	3.2
2	FIRE FIGHTING SYSTEM					
2.1	Fire fighting system.	3588	sqm	500.00	1794000.00	1.4.1
3	FIRE ALARM SYSTEM					
3.1	Manual Fire Alarm System.	3588.00	sqm	300.00	1076400.00	1.5.1
3.2	Extra for fire extinguishers.		LS		500000.00	MR
4	COMPOUND LIGHTING					
4.1	Compound lighting/street lighting including cabling.		LS		3000000.00	M/R
					14560159.50	
	Add Cost index @ 1% except MR items	11060160	%	1.00	110602.00	
					14670761.50	
	Assistant Engineer (P) CPWD, Chandigarh.					Executive Engineer (P) CPWD, Chandigarh.

[illegible]

Subject: Minutes of Estate Affairs Committee meeting held on 20-03-2014 in the office of Dean (P&D) at NIT, Kurukshetra.

A meeting of Estate Affairs Committee was held on 20-03-2014 at 12:15noon to discuss the various issues related to development/construction works in the Institute.

Following were present.

1. Dean (P&D)	Chairman
2. Dean (Estate)	Member
3. Prof. I/C (E&C)	Member
4. Prof. IC (EM)	Member
5. Asstt. Engineer (Civil)	Member
6. J.E. (Civil)	Member
7. J.E. (Elect.)	Member

Prof. I/C (S&C) & Prof I/C (H&L) did not attend the meeting.

Following issues were discussed and resolved as under:-

1. To finalize the drawings and locations:
 - (i) 04 nos. PG and Research Schools building.
It was resolved that CPWD be requested to submit drawings for approval. The location was fixed in the east side of Workshop and south side of Open Air Theatre as proposed by CPWD.
 - (ii) 300 bedded Multi-purpose hostel (200 bedded boys hostel & 100 Bedded married PG students) at NIT, Kurukshetra.
It was resolved that CPWD be asked to revise the cost estimate & drawings as per A/A & E/S already conveyed to CPWD. The location shall remain as east side of Mega Hostel as proposed by CPWD.
 - (iii) Proposed extension of Library Building, property counter facility and Air conditioning of Library.
Chief Architect CPWD be requested to provide architectural drawings for the proposed extension of library building. Issue of property counter be resolved by librarian at his own level. Matter of air conditioning of library would be taken later on as not being priority item.
2. Covering of Newly Constructed Graded seating arrangement for 2000 persons in Open Air Theatre.

Decision in the matter has already been taken at Director level and the same has been conveyed to CPWD.
3. Priority of works as per the list sent to CPWD:

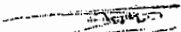
Sr. No.	Name of work
1.	Construction of multi-storeyed building for 04 nos. schools for PG study & Research at NIT, Kurukshetra.
2.	Covering of Newly constructed Graded seating arrangement for 2000 persons in Open Air Theatre at NIT, Kurukshetra.
3.	Providing Audio System in Senate Hall & Jubilee Hall and Board Room Golden Jubilee Administrative Block NIT, Kurukshetra.
4.	Cost Estimate for Alteration in the Director Residence A-1 as per latest norms of Ministry of Urban development, govt. of India.
5.	Provision of fire fighting system in the Institutional buildings at NIT, KKR.
6.	Construction of Additional 20 nos. E-Type & 20 nos. F-Type house for Non-Teaching Staff, NIT, Kurukshetra.
7.	(i) Construction of Additional 40 nos. type-V houses at NIT, KKR. (ii) Construction of Additional 40 nos. type-VI houses at NIT, KKR.
8.	Construction of Convention Centre at NIT, Kurukshetra.

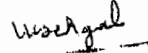
The rest of items were taken out of priority list. It was decided that ATM be housed in existing building whenever necessary. For construction of additional floor over Computer Engineering Department; efforts be made to procure drawing from NBCC to explore the possibility of providing additional floors. Otherwise, extra space could be given in new schools building.

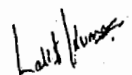
4. Addition/Alterations in the Director Residence A-1.
The matter was discussed in detail and it was resolved that Dean (P&D) & Dean(Estate) will visit the site alongwith Hon'ble Director and proposal for alternations to CPWD be made as per site requirement after site visit.
5. Proposed extension of the building of Computer Engineering Deptt.
The matter was discussed and it was resolved that architectural drawings & estimate be taken from CPWD.
6. False ceiling and partitioning in workshop at NIT, Kurukshetra.
The matter was deferred as it requires further discussion.
7. Maintenance of HOD office in computer Engineering Department.
It was resolved that matter be taken up on the basis of complaints received and decision be taken on case to case basis.


8. Requirement of furniture from various departments.
The matter was discussed and it was resolved that the work will be handed over to Superintendent (Workshop) due to heavy load of work in Estate Section and shortage of staff.
9. Provision of approach road work for Institute main Gates.
The matter was discussed and it was resolved that CPWD be requested to handle that work chargeable under appropriate head.
10. Decision on type of STP to be constructed.
The matter was discussed and it was resolved that as discussed with CPWD, 1 MLD capacity Effluent Treatment Plant based on MBBR technology be given go ahead on A/A & E/S already conveyed to CPWD.
11. Any other items.
 - (i) Extension in Time limit for Providing 2 nos. lifts of 13 passengers including Installation, Testing and Commissioning etc. completion all respect for the work of Construction of 20 nos. Prof. & 10 nos. Asstt. Prof. Multi storied Staff Housing at NIT, Kurukshetra.
The matter was discussed and it was resolved that no further extension in time limit will be given to M/s. Bala Ji Enterprises, Yamuna Nagar Road, Near Dimple Cineplex, Jagadhri.
 - (ii) Provision of glazing with Aluminum sections/partitioning in the Examination Hall.
It was resolved that the glazing with aluminum section/partitioning in Examination Hall be provided in the south face opening of the first floor examination office.

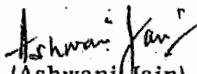
Meeting ended with thanks to the chair.



(S.N. Kaushik)

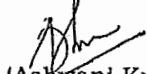

(V.K. Sehgal)

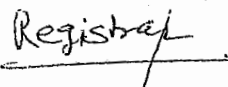

(Lalit Kumar)


(K.K. Singh)

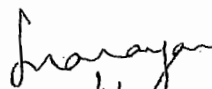

(Ashwani Jain)


(Satinder Pal Singh)


(Ashwani Kumar)

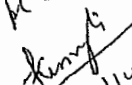

Registrar

Director


03/4/14


04/4/14

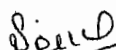
Deputy (Estate)

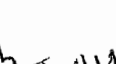
for n.s. cat. item No. 8. by DR (G&L)

9/4/14

AE(L)

SA 
9/4/14

Fair Letter is placed below for
Signature pl.


17/4/14

DR (G&L) 
17/04/14

Subject: Minutes of High Power Committee meeting held on 12-07-2013 to discuss various issues related to development/construction works under Estate Section/construction cell. (Revised as per suggestions given by Hon'ble Director, NIT, Kurukshetra)

A meeting of High Power Committee was held on 12-07-2013 at 11:30 AM to discuss the various issues related to development/construction works in NIT Kurukshetra.

Following were present.

1.	Dean (P & D)	Chairman
2.	Dean (Estate)	Member
3.	Prof. I/C (E&C)	Member
4.	Prof. I/C (H&L)	Member
5.	Asstt. Engineer	Special Invitee
6.	J.E. (C)	Special Invitee
7.	J.E. (E)	Special Invitee

Following issues were discussed and resolved as under:

1. **To finalize the space requirement & other facility to be provided for 300 seater Multi-purpose Boys Hostel including 100 suits for foreign students, research scholars and married PG Students. (Multi-storeyed framed structure):**

(a) **200 seater boys hostel - Accommodation as per norms.**

(b) **100 nos. for foreign students, research scholars married students.**
The matter was discussed and it was resolved that accommodation should provide kitchen, living room, attached bathroom and drawing room. Separate blocks be constructed for the two facilities with independent entry.

2. **Finalization of Master Plan for the Institute details of existing facility, future requirement of residential non-residential & sports amenities.**
The matter was discussed and it was proposed that the space for various newly planned building in future be as under:

Sr. No.	Name of work	Proposed location
1	Gymnasium Hall	Near Swimming Pool
2	Community Centre	Amla Bagh.
3	Convocation Hall	Back side of Hostel No. 1 & 2.
4	Teaching Club	Amla Bagh
5	300 seaters multi-purpose boys hostel	North of Mega Hostel
6	Non-Teaching Club	West side of CC-type
7	Kendriya Vidhyalaya	Back side of Hostel No. 1&2.
8	Rose Garden	Close to STP
9	Examination Hall	East of existing Examination Hall
10	Market expansion	North of existing
11	Training & placement building	North-East of LHC.
12	New research school building	East of LHC
13	Expansion of existing department	South of MBA/MCA building, on the other side of main drain
14	Faculty residences	(i) Professor and Associate Professor-similar 2-5 storey complex north of existing complex. (ii) Assistant Professor residences near existing residences in Chanderlok.
15	Non-Teaching residences	Back side of F-Type Houses
16	33kv sub-station	Back side of Hostel No. 1&2
17	Solar power plant	On roof top of existing buildings
18	Students canteen	In New Market complex.
19	Expansion of students activity centre	Adjacent to existing.

3. **Shifting existing fencing in-front of Hostel No. 4 & 5, 15'-20' towards the hostel side.**

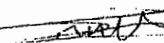
The existing fence in-front of Hostel No. 4 & 5 be shifted inside side by 15-20 feet as per site requirements for widening of road.

4. To discuss scope of works for various buildings approved by Hon'ble Director for getting estimates from CPWD.
- (a) Property counter facility for students in library & expansion of library building - To discuss with Librarian.
- (b) Shifting of boundary wall of Director residence - To discuss with Architect.
- (c) Fire fighting in the Institute & Hostels - Cylinder type.
- (d) Re-surfacing & widening of existing roads in residential & Institutional area.
Widening & strengthening including path ways of all existing roads in Institutional and Residential area as per site condition.
- (e) Provision of Additional houses for Faculty & Non-Teaching staff.
 - Additional 70 nos. houses for Professors.
 - Additional 100 nos. Associate Professors houses.
 - Additional 20 nos. E type & 20 nos. F type houses for Non-Teaching staff.
- (f) Provision of office Chamber for faculty & additional Lecture/Tutorial rooms.
The matter was discussed in detail and it was resolved that the provision of 250 nos. faculty office chambers, 20 nos. lecture rooms and 30 nos. tutorial rooms, 5 nos. conference rooms of 200 capacity with AC facility be made.
- (g) Provision of Additional Examination Hall.
Additional floor on existing Examination Hall and another similar 3 storey hall East side of existing Examination Hall.
- (h) Provision of 4 nos. ATMs in the Campus.
The matter was discussed in detail and it was resolved to provide 1 no. ATM near Mega Boys Hostel, 1 no. near Girls Hostel and 2 nos. in front of library.


Any other items. Following decisions were taken.

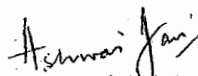
- (i) Renovation of existing lecture theatre.
- (ii) Protection for power point projectors at various location in the Institute.
- (iii) Repair/replacement of damaged acoustic tiles in LHC block.
- (iv) Locking arrangement of solar light batteries.
- (v) Shifting of boundary wall of BB-9, BB-10 & BC-4 to BC-6 houses.
- (vi) One additional floor be constructed for Mechanical Engg. Deptt., Civil Engg. Deptt., AM Block & AB Block.

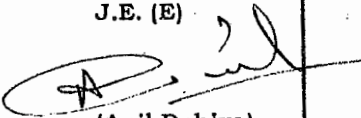
Meeting ending with the thanks to the Chair.



(S.N. Kaushik)
Asstt. Engineer


(Lalit Kumar)
J.E. (C)

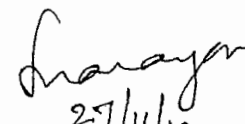

(Satinder Pal Singh)
J.E. (E)



(Ashwani Jain)
Prof. I/C (E&C)

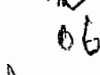

(Anil Dahiya)
Prof. I/C (H&L)


(V.K. Arora)
Dean (P&D)


(K.K. Singh)
Dean (Estate)

Registrar 
27/11/13

Director 

Dean (Estate) 

06/12/13

6/12/13