



**AGENDA FOR 18TH
MEETING OF BUILDING &
WORKS COMMITTEE
DECEMBER 9, 2013**



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**

AGENDA FOR 18TH MEETING OF BUILDING & WORKS COMMITTEE

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

DAY : MONDAY

DATE : 09.12.2013

TIME : 12:30 PM

**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
Sh. Rajesh Singh
Director (NITs),
Deptt. of Higher Education,
M.H.R.D., Shastri Bhawan,
New Delhi-110001 | Member |
| 3. | Nominee of the board
Prof. S.K. Sharma
Prof. Mechanical Engg. Department,
NIT, Kurukshetra. | Member |
| 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. Varun Kumar
Executive Engineer (Civil),
Karnal Central Division, CPWD,
Karnal. | 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. A.L. Kamboj,
Executive Engineer (Construction cell)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 11. | Er. S.N. Kaushik,
Assistant Engineer (Civil)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 12. | Dr. Shyam Narayan
Registrar
National Institute of Technology,
Kurukshetra | Member-Secretary |

Item No.18.1 To confirm the minutes of 17th meeting of the Building & Works Committee held on 27-06-2013.

The minutes of the 17th meeting of Building & Works Committee held on 27-06.2013 were circulated amongst the members vide letter No.NIT/17th BWC/5982-83 dated 08-08-2013. No comments were received from any member. The minutes are enclosed as Annexure- 1 from page 2 to 5.

The minutes may be confirmed.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Minutes of the 17th meeting of the Building & Works Committee, National Institute of Technology, Kurukshetra held on 27th June, 2013 at 11.30 AM in the Board Room of Golden Jubilee Administrative Building of the Institute.

The following were present:

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| 1. | Prof. Anand Mohan
Director,
National Institute of Technology
Kurukshetra | Chairman |
| 2. | Nominee of the Board
Prof. S.K. Sharma
Prof. Mechanical Engg. Deptt.
National Institute of Technology,
Kurukshetra. | Member |
| 3. | Prof. V.K. Arora
Dean (Planning & Development)
National Institute of Technology,
Kurukshetra | Member |
| 4. | Er. R.K. Sao
Superintending Engineer (Elect.),
Chandigarh Electrical Central Circle, CPWD,
Chandigarh. | Nominee of CPWD |
| 5. | Er. Varun Kumar
Executive Engineering (Civil)
Karnal Central Division, CPWD,
Karnal | Nominee of CPWD |
| 6. | Prof. K.K. Singh
Dean (Estate),
National Institute of Technology,
Kurukshetra | Special Invitee |
| 7. | Prof. Ashwani Jain
Prof. In-charge (Estate & Construction),
National Institute of Technology,
Kurukshetra. | Special Invitee |

- | | | |
|-----|---|------------------|
| 8. | Dr. Ashwani Kumar
Prof. In-charge (Elect. Mtc.),
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 9. | Er. A.L. Kamboj
Executive Engineer (Construction Cell),
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 10. | Er. S.N. Kaushik
Asstt. Engineer (Civil)
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 11. | Sh. G. R. Samantaray
Registrar In-charge
National Institute of Technology,
Kurukshetra. | Member-Secretary |

The nominee of the MHRD could not attend the meeting.

Before the start of the deliberations, the Hon'ble Director and Chairman, Building & Works Committee welcomed all the members present in the meeting.

The Building & Works Committee took the following decisions:

17.1 To confirm the minutes of 16th meeting of the Building & Works Committee held on 19.11.2012.

While discussing confirmation of minutes of 16th meeting of B&WC, one of the members raised the issue of dropping provision for staircase in single-storey faculty houses in the minutes recorded under item 16.12. After deliberation, it was decided that specific technical opinion of CPWD be obtained regarding provision of staircase in single-storey houses and accordingly decision be taken. Members were informed that as per decision taken in 16th B&WC meeting, revised agenda for the item will be put up in next meeting of B&WC after approval of minutes by FC and BOG of the Institute.

The minutes of 16th meeting of Building & Works Committee held on 19.11.2012 as circulated amongst the members vide letter No. NIT/16th BWC/8603 dated 19.12.2012 were confirmed with the above observation.

17.2 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 of the minutes of the 16th meeting of the Building & Works Committee held on 19.11.2012.

The action taken report on most of the decisions could not be presented as approval is pending from FC and BOG of the Institute. Members were informed that the same would be presented in next meeting of B&WC.

- 17.3 To consider & approve the Revised Cost Estimate for construction of Boundary wall (left out stretched) for a length of about 800 meter and gate (near UHBVN office) at NIT, Kurukshetra.**

The Building & Works Committee considered and approved the revised cost estimate submitted by CPWD for the work for an amount of Rs. 84.276 lacs. It was decided that CPWD will submit justification for the revision in estimate and change in design, and the same has been attached as Annexure-I.

- 17.4 To consider & approve the Revised Cost Estimate for replacement of C.I./A.C. water supply lines with centrifugally Cast (Spun) Iron Pipes Class L.A. in the Residences, Hostels & Instructional Building at NIT, Kurukshetra.**

The Building & Works Committee considered and approved the revised cost estimate for the work for an amount of Rs. 222.05 lacs. It was decided that proper provision for future expansion should be made in the design so as to ensure adequate pressure head in distribution system. In order to avoid misuse and wastage of water, provision of metering system in the Institute should also be made. A detailed plan of the water supply distribution system should also be submitted by CPWD.

- 17.5 To rectify action taken by Chairman B&WC to accord A/A & E/S for providing 40mm thick premix carpeting on various roads at NIT, Kurukshetra.**

The Building & Works Committee considered and approved the action taken by Chairman B&WC to accord A/A & E/S for providing 40mm thick premix carpeting on various roads at NIT, Kurukshetra in view of the visit of His Excellency, the President of India to the Institute.

- 17.6 To consider & approve the Cost Estimate for provision of permanent and temporary huts for security guards at various locations in the Institute.**

The Building & Works Committee considered the issue and decided that the work be assigned to the CPWD. Further, CPWD be requested to provide design along with cost estimate for the provision of permanent and temporary huts including facility for electricity supply, telephone and drinking water for security guards. In order to avoid any further delay in work, it was decided that Chairman B&WC be authorized to approve any revision in cost estimate due to additional provisions.

- 17.7 To consider & approve the Cost Estimate for the provision of vitrified floor tiles in Chemistry deptt., room no. E-222, class rooms and labs in Electrical Engg. Department.

The Building & Works Committee considered the matter and decided that provision of vitrified tiles be made in all the remaining office chambers, class rooms and laboratories of the Institute with locations to be identified by the High Power Committee. Further, the work be assigned to the CPWD, and CPWD be requested to provide cost estimate for the work. Chairman, B&WC was authorized to approve revision in cost estimate due to addition in work. It was decided that the same be reported in next B&WC meeting.

- 17.8 To consider & approve the Cost Estimate for Provision of interlocking paver blocks, covering of area open to sky by Zinc coated galvanized iron profile sheets, vitrified tiles in flooring and provision of Garage for ambulance in the Health Centre, NIT, Kurukshetra.

The Building & Works Committee considered the matter and decided that instead of using Zinc coated galvanized iron profile sheets to cover area open to sky, thermally insulated profile sheets be provided to achieve both visibility, heat protection from sunlight, as the area is being air-conditioned for comfort of patients, Chairman B&WC was authorized to approve revision in cost estimate due to above.

Chairman, B&WC deliberated upon the issue of energy auditing of the Institute and optimization of energy resources using provisions like occupancy sensors. High Power Committee would be requested to take up the issue with CPWD officials for the purpose.

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

Manojan
23/7/13

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

Authenticated

Manojan
05/8/13

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

Item No. 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 action taken on the minutes of the 16th meeting of the Building & Works Committee held on 19-11-2012 is as under.

Item No.	Subject	Decision taken	Action taken
16.3	To consider & Approve the Revised Cost Estimate for construction of Administrative Block at NIT, Kurukshetra.	<p>The Building & Works Committee approved the revised cost estimate of Rs. 855.34 lacs for construction of New Administrative Block. The increase in the revised estimated cost is due to:</p> <ol style="list-style-type: none">1. increase in plinth area of the Administrative Building from 3925 sqm. to 4552 sqm. This is due to the reason that CPWD executes works on plinth area basis whereas Institute Architect/Consultant has worked out carpet area instead of plinth area as per architectural drawings.2. increase in weight of the trusses due to revision of structural drawings of trusses, providing of Armstrong & aluminum sheet type false ceiling and earthen pivot tiles on floor, and additional provisions of S.I.T.C. of 500 kVA outdoor type Sub-Station equipment, hot & cold cassette type Air Conditioners, S.I.T.C. of 320 kVA D.G. Power Set etc. executed during construction.	Revised Administrative Approval and Expenditure Sanction conveyed to CPWD vide letter No. CC/262/12074 dated 14.11.2013
16.4	To consider & approve the revised cost estimate for Providing & Installation of Electrical Sub-Station HT/LT Distribution including Street Lightening & Feeder Pillar etc. in Non-Residential area at NIT, Kurukshetra.	<p>The Building & Works Committee approved the revised cost estimate of Rs. 724.90 lacs for Providing & Installation of Electrical Sub-Station HT/LT Distribution including Street Lightening & Feeder Pillar etc. in Non-Residential area. The increase in the revised estimated cost is due to:</p> <ol style="list-style-type: none">1. Increased feeder pillars, increase in load of the various buildings, rating & capacity of cable and switch gears.2. Additional works like providing HT supply to Mega Boys Hostel & Administrative Block, providing HT service/Bulk supply connection from 33 kVA Sub-Station, UHBVN to metering room near main gate on Kirmich Road executed during construction.	Revised Administrative Approval and Expenditure Sanction conveyed to CPWD vide letter No. CC/262/12074 dated 14.11.2013

16.5	To consider & approve the Revised Cost Estimate for construction of Convocation Hall (3000 capacity) at NIT, Kurukshetra.	<p>The item was approved in the 8th meeting of B & WC vide Agenda Item No.8.9 held on dated 28.05.2007 for an amount of Rs.550.00 lacs. The work could not be under-taken within three years of the approval due to other priority works by the Institute. Thus a revised cost estimate for the work was obtained from Chief Engineer, CPWD for an amount of Rs. 6800.00 lacs. The proposed Increase in cost was due to cost escalation during the period, increase in plinth area (due to increased strength of students) and on account of additional facilities provided in revised cost estimate.</p> <p>The Building & Works Committee approved the revised cost estimate of Rs. 6800.00 lacs for construction of Convocation Hall (3000 capacity).</p> <p>However, this item was not approved by FC vide item no. 27.3 in its 27th meeting held on 22.08.2013 with the observations to re-visit the proposed cost estimate.</p>	A letter has been written to CPWD vide this office letter No.CC/278/12382 dated 29.11.2013 to submit the fresh estimate that has not been received so far and the same will be put up in the next Building & Works Committee meeting
16.6	To consider & approve the Revised Cost Estimate for construction of Community Hall at NIT, Kurukshetra.	<p>The work was approved in the 1st meeting of B & WC vide agenda item No.1.9 held on 08.11.2002 for an amount of Rs.64.15 lacs. The work could not be under-taken within three years of the approval due to other priority works by the Institute. Thus a revised cost estimate for the work was obtained from Chief Engineer, CPWD for an amount of Rs. 715.32 lacs. The proposed Increase in cost was due to cost escalation during the period, increase in plinth area (due to increased strength of students) and on account of additional facilities provided in revised cost estimate.</p> <p>The Building & Works Committee approved the revised cost estimate of Rs. 715.32 lacs for construction of Community Hall</p> <p>However, this item was not approved by FC vide item no. 27.3 in its 27th meeting held on 22.08.2013 with the observations to re-visit the proposed cost estimate.</p>	A letter has been written to CPWD vide this office letter No.CC/278/12382 dated 29.11.2013 to submit the fresh estimate that has not been received so far and the same will be put up in the next Building & Works Committee meeting
16.7	To consider & approve the Revised Cost Estimate for construction of Gymnasium Hall at NIT, Kurukshetra.	The work was approved in the 6 th meeting of B & WC vide agenda item No.6.11 held on 24.04.2006 for an amount of Rs.40.02 lacs. The work could	A letter has been written to CPWD vide this office letter No.CC/278/12382 dated 29.11.2013 to submit the fresh

		<p>not be under-taken within three years of the approval due to other priority works by the Institute. Thus a revised cost estimate for the work was obtained from Chief Engineer, CPWD for an amount of Rs. 532.88 lacs. The proposed Increase in cost was due to cost escalation during the period, increase in plinth area (due to increased strength of students) and on account of additional facilities provided in revised cost estimate.</p> <p>The Building & Works Committee approved the revised cost estimate of Rs. 532.88 lacs for construction of Gymnasium Hall.</p> <p>However, this item was not approved by FC vide item no-27.3 in its 27th meeting held on 22.08.2013 with the observations to re-visit the proposed cost estimate.</p>	<p>estimate that has not been received so far and the same will be put up in the next Building & Works Committee meeting</p>
16.8	To consider & approve the Cost Estimate for Provision of Aviation Light & Lightning conductor in the Mega Boys Hostel (1000 capacity) at NIT, Kurukshetra.	The Building & Works Committee approved the Cost Estimate of Rs.22.55 lacs for provision of Aviation Light & Lightning conductor in the Mega Boys Hostel (1000 capacity) at NIT, Kurukshetra	Administrative Approval and Expenditure sanction for allotting the work to CPWD is in process.
16.9	To consider & approve the Cost Estimate for construction of underground static water tank of 1.5 lakh liter capacity for fire-fighting purpose in Mega Boys hostel at NIT, Kurukshetra.	The Superintending Engineer (Electrical), CPWD explained during the discussion that there is no necessity of constructing underground static water tank of 1.5 lacs liter capacity as per National Building Code (NBC) for fire-fighting purpose in the Mega Boys Hostel (1000 capacity) at NIT, Kurukshetra. Therefore, specific observation should be taken for requirement of underground water tank from Fire-fighting department of Kurukshetra as there could be some local administration level safety standards. Further, it was desired that after seeking clarification in the matter, the CPWD may be consulted and in case of differing observation and if required, revised cost estimate be submitted for approval of the Chairman, B&WC for execution of the work. The same be reported in next B&WC meeting.	<p>As per the decision of the B&WC the specific observation for the requirement of underground static water tank for Fire-Fighting purpose in the Mega Boys Hostel vide item no. 16.9 was obtained from Fire-Fighting Department of Kurukshetra (copy enclosed), which recommended its necessity. Accordingly, revised cost estimate of Rs. 64,29,500/- was obtained from CPWD, and was duly approved by Chairman, B&WC. The same is reported for rectification by B&WC.</p> <p>Administrative Approval and Expenditure sanction for allotting the work to CPWD is in process.</p>
16.10	To consider & approve the Cost Estimate for replacement of existing LT Panels with MCB's in the Institute at NIT, Kurukshetra.	The Building & Works Committee approved the Cost Estimate of Rs. 43.62 lacs for replacement of existing LT Panels with MCCB's/MCB's in the all Institutional buildings & hostels.	This work will be taken up in due course of time after fixing its priority.

This work will be taken up in due course of time after fixing priority.

16.11	To consider and approve the Cost Estimate for Replacement of existing Electrical wirings in instructional building at NIT, Kurukshetra.	<p>Superintending Engineer, CPWD has submitted the following cost estimates.</p> <p>i) Replacement/rewiring of AI Wiring with copper wiring in Electrical Engineering Department for an amount of Rs. 1,42,72,401/-.</p> <p>ii) Replacement/rewiring of AI Wiring with copper wiring in old Admn. Block for an amount of Rs. 1,40,22,008/-</p> <p>Replacement/rewiring of AI Wiring with copper wiring in Examination Cell, Mechanical Engineering Department & Civil Engineering Department for an amount of Rs. 1,10,17,292/-</p> <p>iii) Replacement/rewiring of AI Wiring with copper wiring in Electronics & Communication, CCN Department & Exam Hall for an amount of Rs. 1,62,75,545/-</p> <p>The Building & Works Committee approved the cost estimate for the above cited works for an amount of Rs. 142.72, 140.22, 110.17 and 162.76 lacs respectively.</p> <p>Further, it was resolved that an institute level survey be done to assess requirement of replacement of electrical wiring in left out portion of instructional buildings (library etc.), and hostels (both boys and girls) and cost estimates be placed before Chairman, B&WC who was authorized for approval of the cost estimate.</p>	<p>A committee was constituted at Institute level to assess the comprehensive requirement of the left out area in the Instructional buildings, hostels (Boys & Girls). The committee submitted its report. Accordingly a letter vide no. CC/263/12075, dated 14.11.2013 (copy enclosed) has been written to CPWD to submit the revised estimate.</p> <p>The same will be placed before Chairman, B&WC for A/A & E/S.</p>
16.12	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.	<p>The Building & Works Committee resolved that the above agenda item be suitably revised to provide cost estimate for double storey buildings only. The agenda for the same be placed in the next B&WC meeting for consideration.</p> <p>While discussing confirmation of minutes of 16th meeting of B&WC, one of the members raised the issue of dropping provision for staircase in single-storey faculty houses in the minutes recorded under item 16.12. After deliberations, it was decided that specific technical opinion of CPWD be obtained regarding provision of staircase in single-storey houses and accordingly decision be taken.</p>	<p>Specific technical opinion of CPWD regarding provision of stair case in single storey faculty houses has been obtained vide letter no. 20(142) P.B./CCD/2013/3165, dated 20.11.2013 (copy enclosed).</p> <p>The same is being placed as an agenda item No. 18.4.</p>
16.13	To consider and approve the Cost Estimate for Extension of existing connecting corridor upto MBA/ MCA and LHC-Block in	The Building & Works Committee deferred the Cost Estimate for extension of existing connecting corridor up to MBA/MCA and LHC-Block at the cost	Revision of the agenda item is pending with Chief Architect of CPWD.

	the Instructional Buildings at NIT, Kurukshetra.	of Rs. 29.26 lacs and desired that the agenda item be suitably revised and placed in the next B&WC meeting for consideration	
16.14	To consider & approve the Cost Estimate for Provision of DG power backup at various locations in the Institute covering instructional buildings and related facilities at NIT, Kurukshetra.	The Building & Works Committee approved the Cost Estimate of Rs. 241.83 lacs for provision of DG power backup at various locations in the Institute covering instructional building and related facilities at NIT, Kurukshetra	This work will be taken up in due course of time after fixing its priority.
16.15	To consider and approve the cost estimate for Provision of DG power backup in boys & girls hostels at NIT, Kurukshetra.	The Building & Works Committee approved the cost estimate of Rs. 230.44 and 89.74 lacs respectively for providing of DG power backup in boys & girls hostels at NIT, Kurukshetra.	Administrative Approval and Expenditure sanction for allotting the work to CPWD is in process.
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.	Administrative Approval and Expenditure sanction for allotting the work to CPWD is in process.
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.	Administrative Approval and Expenditure sanction for provision of lifts for persons with disabilities (PwD) allotting the work to CPWD is in process. In this regard, a letter vide no. CC/176/4078, dt 14.06.2013 has been written to CPWD to submit the estimate. The same will be put up in the next B&WC.
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.	The work of preparation of Master Plan of the Institute has been allotted to CPWD which shall identify the widening & strengthening of roads in the Institute after which the cost estimate for shifting of electric poles to the central verge of roads will be placed before B&WC.
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.	A separate agenda item has been attached vide item No. 18.5

Item No. 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 action taken on the minutes of the 17th meeting of the Building & Works Committee held on 27-06-2013 is as under.

Item No.	Subject	Decision taken	Action taken
17.1	To confirm the minutes of 16 th meeting of the Building & Works Committee held on 19.11.2012.	<p>While discussing confirmation of minutes of 16th meeting of B&WC, one of the members raised the issue of dropping provision for staircase in single-storey faculty houses in the minutes recorded under item. 16.12. After deliberation, it was decided that specific technical opinion of CPWD be obtained regarding provision of staircase in single-storey houses and accordingly decision be taken. Members were informed that as per decision taken in 16th B&WC meeting, revised agenda for the item will be put up in next meeting of B&WC after approval of minutes by FC and BOG of the Institute.</p> <p>The minutes of 16th meeting of Building & Works Committee held on 19.11.2012 as circulated amongst the members vide letter No. NIT/16th BWC/8603 dated 19.12.2012 were confirmed with the above observation</p>	Specific technical opinion of CPWD regarding provision of stair case in single storey faculty houses has been obtained and a separate item has been attached as agenda item No. 18.4.
17.2	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 of the minutes of the 16th meeting of the Building & Works Committee held on 19.11.2012.</p> <p>The action taken report on most of the decisions could not be presented as approval is pending from FC and BOG of the Institute. Members were informed that the same would be presented in next meeting of B&WC.</p>	The minutes of 16 th meeting held on 19.11.2012 has been approved by FC and BOG except item No. 16.5, 16.6 and 16.7. A separate agenda vide item No. 18.2 is enclosed.

17.3	To consider & approve the Revised Cost Estimate for construction of Boundary wall (left out stretches) for a length of about 800 meter and gate (near UHBVN office) at NIT, Kurukshetra.	The Building & Works Committee considered and approved the revised cost estimate submitted by CPWD for the work for an amount of Rs. 84.276 lacs. It was decided that CPWD will submit justification for the revision in estimate and change in design, and the same has been attached as Annexure-I.	Revised Administrative Approval and Expenditure Sanction has been conveyed to CPWD vide letter No. CC/262/12074 dated 14.11.2013.
17.4	To consider & approve the Revised Cost Estimate for replacement of C.I./A.C. water supply lines with centrifugally Cast (Spun) Iron Pipes Class L.A. in the Residences, Hostels & Instructional Building at NIT, Kurukshetra.	The Building & Works Committee considered and approved the revised cost estimate for the work for an amount of Rs. 222.05 lacs. It was decided that proper provision for future expansion should be made in the design so as to ensure adequate pressure head in distribution system. In order to avoid misuse and wastage of water, provision of metering system in the Institute should also be made. A detailed plan of the water supply distribution system should also be submitted by CPWD.	Revised Administrative Approval and Expenditure Sanction has been conveyed to CPWD vide letter No. CC/262/12074 dated 14.11.2013.
17.5	To ratify the action taken by Chairman, B&WC to accord A/A and E/S for providing 40mm thick premix carpeting on various roads at NIT, Kurukshetra.	The Building & Works Committee considered and approved the action taken by Chairman B&WC to accord A/A & E/S for providing 40mm thick premix carpeting on various roads at NIT, Kurukshetra in view of the visit of His Excellency, the President of India to the Institute.	Work completed. Final inspection is to be carried out.
17.6	To consider & approve the Cost Estimate for provision of permanent & temporary Huts for security Guards at various locations in the Institute.	The Building & Works Committee considered the issue and decided that the work be assigned to the CPWD. Further, CPWD be requested to provide design along with cost estimate for the provision of permanent and temporary huts including facility for electricity supply, telephone and drinking water for security guards. In order to avoid any further delay in work, it was decided that Chairman B&WC be authorized to approve any revision in cost estimate due to additional provisions.	Cost estimate has been received from CPWD and the same will be approved by Chairman, B&WC at the earliest.
17.7	To consider and approve the Cost Estimate for the provision of Vitrified floor tiles in Chemistry Deptt., Room No. E-222, Class rooms and Labs. in Electrical Engg. Department.	The Building & Works Committee considered the matter and decided that provision of vitrified tiles be made in all the remaining office chambers, class rooms and laboratories of the Institute with locations to be identified by the	A letter has been written to CPWD to submit the cost estimate vide letter No. CC/251/9690 dated 30.10.2013

		High Power Committee. Further, the work be assigned to the CPWD, and CPWD be requested to provide cost estimate for the work. Chairman, B&WC was authorized to approve revision in cost estimate due to addition in work. It was decided that the same be reported in next B&WC meeting.	
17.8	To consider & approve the Cost Estimate for Provision of interlocking paver blocks, covering of area open to sky by Zinc coated galvanized iron profile sheets, vitrified tiles in flooring and provision of Garage for ambulance in the Health Centre, NIT, Kurukshetra.	<p>The Building & Works Committee considered the matter and decided that instead of using Zinc coated galvanized iron profile sheets to cover area open to sky, thermally insulated profile sheets be provided to achieve both visibility, heat protection from sunlight, as the area is being air-conditioned for comfort of patients. Chairman B&WC was authorized to approve revision in cost estimate due to above.</p> <p>Chairman, B&WC deliberated upon the issue of energy auditing of the Institute and optimization of energy resources using provisions like occupancy sensors. High Power Committee would be requested to take up the issue with CPWD officials for the purpose.</p>	Cost estimate has been received from CPWD and the same will be approved by Chairman, B&WC at the earliest.

Item No. 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 above cited work was placed in the 16th Building & Works Committee meeting held on 19-11-2012 vide Item No. 16.12. The Building and Works Committee decided that staircase estimate be taken only for double storey houses and be put up in next B&WC. In the next 17th B&WC meeting held on 27-06-2013 one member while discussing on Item No. 17.1 raised the issue of dropping of provision of staircase in single storey houses and it was resolved that specific technical opinion of CPWD be obtained regarding provision of stair case in single storey houses and accordingly decision be taken. Executive Engineer CPWD, Karnal vide his letter No. 20(142)/Y.S./KCM/2013/575 dated 27-02-2013 has given his opinion (copy attached) and submitted a cost estimate amounting to Rs. 13,32,500/- for A/A & E/S for double storey houses only.

The B & WC may consider and approve the cost estimate for the above cited work for an amount of Rs. 13, 32,500/-.

Speed Post

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

संख्या- 20(142)/यो.शा./क.के.मं/2013/575

दिनांक 27/3/13

सेवा में,

Dy. No. 75
Dated. 5/3/13

The Director,
NIT, Kurukshetra

विषय : Provision of staircase for residential quarters of Type BA, BB, CB & CC & CA (Double Storey) at NIT, Kurukshetra.

महोदय,

उपरोक्त कार्य का संशोधित विस्तृत प्राक्कलन जिसकी लागत रुपये 13,32,500/- 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 अग्रिम कार्यवाही की जा सकें। प्राक्कलन की एक प्रति भी प्रशासनिक स्वीकृति पत्र के साथ संलग्न करें।

भवदीय,

संलग्न : उपरोक्तानुसार

कार्यपालक अभियंता
करनाल केन्द्रीय मंडल
के.लो.नि.वि, करनाल

प्रतिलिपि :-

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

कार्यपालक अभियंता

N.I.T. KURUKSHETRA

Dy. No.	1629	Date	11/3/13
DPD	DPD	DPD	DPD
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LETTER OF ACCEPTANCE OF DEPOSIT WORKS**(To be issued to the client department)**

To

The DirectorHIT Kumbhshetra

Sub:

Execution of Deposit works:- Provision of staircase for residential flats of TYPE-BA, BB, CB & CC & CA (Double storey) at HIT, Kumbhshetra.
(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 fund's 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
Executive Engineer

Karnal Central Division,
CPWD, 448, Anshubh Colony
KARNAL-132001 (Hry)

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State HARYANA

Branch KARNAL

DIVISION KARNAL CENTRAL

SUB-DIVISION KARNAL CENTRAL

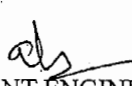
Name of Work : Provision of staircase for residential quarters of BA, BB, CB, CC & CA (D/S) at NIT, Kurukshetra.

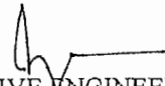
Major Head	Minor Head	Detailed Head
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This revised detailed estimate has been framed by Sh. Iqbal Singh, Executive Engineer, Karnal Central Division, CPWD, Karnal for Rs. 13,32,500/- i/c 5% contingencies.

REPORT

History	This revised detailed estimate amounting to Rs. 13,32,500/- i/c 5% 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 revised P.E. has been framed for decision in 16th meeting & letter No. CC/41 Dt. 29.1.2013. The revised P.E. has been framed for double storey only from 1st floor to roof.
Design	Following provision has been made (for civil work only) in the estimate:- 1. P/L M.S. L-50x50x6mm, L-35x35x5mm, flat 20x5mm etc. 2. M.S. railing 40mm. 3. Painting with synthetic enamel paint. 4. P/L CC 1:1½:2 for blocks.
Specification	As per CPWD Specification 2009 vol I 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 slip.
Time	Two months.
Cost	Rs. 13,32,500/- i/c 5% contingencies.


ASSISTANT ENGINEER (P)
KARNAL CENTRAL DIVISION
CPWD, KARNAL


EXECUTIVE ENGINEER
KARNAL CENTRAL DIVISION
CPWD, KARNAL

Original Estimate						
No.	Description	Qty	Unit	Rate	Amount	DSR No.
	CONCRETE WORK					4
1.1	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
1.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate-20 mm nominal size).	5.00	cum	5663.30	28317.00	4.2.2
2	Centering and shuttering including strutting, propping etc. and removal of form work for :					4.3
2.1	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	64.00	sqm	285.15	18250.00	4.3.2
	Sub-Total				46567.00	
	STEEL WORK					10
2.1	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
3.1.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	13430.00	kg	77.90	1046197.00	10.25.2
	Sub-Total				1046197.00	
	FINISHING					13
1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61
1.1	Two or more coats on new work	726.00	sqm	53.85	39095.00	13.61.1
	Sub-Total				39095.00	
	REPAIRS TO BUILDINGS					14
4.1	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground.					14.4
4.1.1	For door/ window/ clerestory window.	40.00	sqm	366.65	14666.00	14.4.1
	Sub-Total:				14666.00	
	Total				1146525.00	
	Add Cost Index @ 5.37% (157-149 / 149 x 100)				61568.00	
	Total				1208093.00	
	Add Contingencies @5%				60405.00	
	Total				1268498.00	
	Add Labour Cess @1%				12685.00	
	Total				1281183.00	
	Add VAT @4%				51247.00	
	Grand Total				1332430.00	
	Say Rs. 13,32,500/-					

Executive Engineer
Karnal Central Division
CPWD, Karnal

21 ~~AE 00~~

- (iv) Replacement/rewiring of Al Wiring with copper w/ Electronics & Communication, CCN Department & Hall for an amount of Rs. 1,62,75,545/-

The Building & Works Committee approved the cost estimate above cited works for an amount of Rs. 142.72, 140.22, 110.17 and 162.76 lacs respectively.

Further, it was resolved that an institute level survey be done to assess requirement of replacement of electrical wiring in left out portion of instructional buildings (library etc.), and hostels (both boys and girls) and cost estimates be placed before Chairman B&WC who was authorized for approval of the cost estimate.

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

The Building & Works Committee resolved that the above agenda item be suitably revised to provide cost estimate for double storey buildings only. The agenda for the same be placed in the next B&WC meeting for consideration.

- 16.13 To consider and approve the Cost Estimate for Extension of existing connecting corridor upto MBA/ MCA and LHC-Block in the Instructional Buildings at NIT, Kurukshetra.**

The Building & Works Committee deferred the Cost Estimate for extension of existing connecting corridor up to MBA/MCA and LHC-Block at the cost of Rs. 29.26 lacs and desired that the agenda item be suitably revised and placed in the next B&WC meeting for consideration.

- 16.14 To consider & approve the Cost Estimate for Provision of DG power backup at various locations in the Institute covering instructional buildings and related facilities at NIT, Kurukshetra.**

The Building & Works Committee approved the Cost Estimate of Rs. 241.83 lacs for provision of DG power backup at various locations in the Institute covering instructional building and related facilities at NIT, Kurukshetra.

- 16.15 To consider and approve the cost estimate for Provision of DG power backup in boys & girls hostels at NIT, Kurukshetra.**

The Building & Works Committee approved the cost estimate of Rs. 230.44 and 89.74 lacs respectively for providing of DG power backup in boys & girls hostels at NIT, Kurukshetra.

- | | | |
|-----|---|------------------|
| 8. | Dr. Ashwani Kumar
Prof. In-charge (Elect. Mtc.),
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 9. | Er. A.L. Kamboj
Executive Engineer (Construction Cell),
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 10. | Er. S.N. Kaushik
Asstt. Engineer (Civil)
National Institute of Technology,
Kurukshetra. | Special Invitee |
| 11. | Sh. G. R. Samantaray
Registrar In-charge
National Institute of Technology,
Kurukshetra. | Member-Secretary |

The nominee of the MHRD could not attend the meeting.

Before the start of the deliberations, the Hon'ble Director and Chairman, Building & Works Committee welcomed all the members present in the meeting.

The Building & Works Committee took the following decisions:

- 17.1 To confirm the minutes of 16th meeting of the Building & Works Committee held on 19.11.2012.**

While discussing confirmation of minutes of 16th meeting of B&WC, one of the members raised the issue of dropping provision for staircase in single-storey faculty houses in the minutes recorded under item 16.12. After deliberation, it was decided that specific technical opinion of CPWD be obtained regarding provision of staircase in single-storey houses and accordingly decision be taken. Members were informed that as per decision taken in 16th B&WC meeting, revised agenda for the item will be put up in next meeting of B&WC after approval of minutes by FC and BOG of the Institute.

The minutes of 16th meeting of Building & Works Committee held on 19.11.2012 as circulated amongst the members vide letter No. NIT/16th BWC/8603 dated 19.12.2012 were confirmed with the above observation.

- 17.2 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 of the minutes of the 16th meeting of the Building & Works Committee held on 19.11.2012.

CENTRAL PUBLIC WORKS DEPARTMENT
KARNAL CENTRAL DIVISION
448, SUBASH COLONY, KARNAL

No./ 20(142)/P.O./KCD/2013/448

Dated:04-12-2013

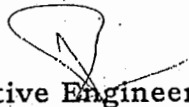
To

Dean (Estate)
NIT, Kurukshetra

Subject:- Action required by CPWD against various item of the minutes of meeting of 17th B&WC held on 27-06-2013.

Reference: This office letter No. 20(142)/P.S./KCM/2013/3165 dated 20-11-13.

In continuation of this office letter as quoted above, it is intimated that as per norms no staircase can be provide in single storey quarters.


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

CC:

Asstt. Engineer (Civil), CPWD, Kurukshetra.

Item No. 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 B&WC in its 16th meeting vide agenda Item No. 16.19 resolved that the agenda item be deferred and desired that revised cost estimate without provision of basement be put up in next B&WC meeting. Executive Engineer (P), CPWD, Chandigarh has submitted the cost estimate amounting to Rs. 30, 22, 94,900/- for A/A & E/S.

The B & WC may consider and approve the cost estimate for the above cited work for an amount of Rs. 30,22,94,900/-.

Dy. No.	1251	Date	11/3/13			
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E		Ec	Co	Ph	Ch	Ma
HU	C	WS	SW	PC	PS	EDC
PE	CON	PT	PCE	PRO	LMO	L
GA	A	SO	EO	DS	PIS	PIC

भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग

CENTRAL PUBLIC WORKS DEPARTMENT

Phone : 0172-2749515

Fax : 0172-2741673

e-mail : cchqcpwdchd@yahoo.co.in

cenziopwd@yahoo.in

कार्यालय मुख्य अभियंता (उ अ . 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)/अ0अभि०(यो०)/का० अभि०(यो०)I/ ५०४२

दिनांक: 1/3/13

सेवा में, निर्देशक
राष्ट्रीय पाठ्यपुस्तक संस्थान (N.I.T.)
फर्रुखी (हरियाणा)

विषय:- C/o School Building, Training and Placement Cell
at NIT Campus, Kurukshetra (Haryana)

महोदय,

मुझे सक्षम अधिकारी के प्रशासनिक अनुमोदन एवं व्यय स्वीकृति के लिए रु० 30,22,94,900/- (रुपए
Thirty Crare Twenty Two lais Ninety Four Thousand Nine
Hundred मात्र) के प्रारम्भिक अनुमान दो प्रतियों में भेजने का निर्देश हुआ है। कार्य की आवश्यकता और अनुमान के प्रावधानों को
रिपोर्ट में दर्शाया गया है। अनुरोध है कि कार्य की मंजूरी भेजते समय "लेखा शीर्ष" जिसके अंतर्गत व्यय किया जाना है सूचित
किया जाए।

संलग्न:- प्रारम्भिक अनुमान । दो प्रतियों में ।

कार्यपालक अभियन्ता (यो.) 1/3/13

प्रतिलिपि:-

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

Dean (Estate)

1/3/13
Prj. Sec. (E&C) / Ex/Br

कार्यपालक अभियन्ता (यो.)

1/3/13

1/3/13

**O/O THE CHIEF ENGINEER (NZ-I)
CENTRAL PUBLIC WORKS DEPARTMENT
KENDRIYA SADAN, SECTOR-9A, CHANDIGARH**

STATE : Haryana

DIVISION : KCD

BRANCH : B & R

Name of work: C/o School Building, Training and Placement cell (~~Basement and~~ G+3) in NIT Campus, Kurukshetra.

Major Head:	Minor Head:	Detailed Head:
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This modified preliminary Estimate framed by Er. Iqbal Singh, Executive Engineer, Karnal Central Division, CPWD, Karnal and further processed by Er. Sunil Kumar, Executive Engineer (P), O/o Chief Engineer (NZ-I), CPWD, Chandigarh for the probable cost of Rs. 30,22,94,900/- including 3% contingencies.

REPORT

HISTORY : This modified preliminary estimate amounting to Rs. 30,22,94,900/- 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 preliminary estimate for above said work was earlier sent to client department vide CE(NZ)-I, Chandigarh letter No. 23(390)/SE(P)/EE(P)/I/3246 dated 21.11.2012 amounting to Rs. 35,66,43,200/- in compliance of client requisition letter No. CC/219/6899 dated 08.10.2012. The client department vide letter No. CC/41 dated 29.01.2013 has desired that the provision of basement in the building is not required, therefore, the modified estimate has been prepared amounting to Rs. 30,22,94,900/- for accord of A/A & E/S from the competent authority.

DESIGN & SCOPE : -This modified estimate is based on Sr. Arch. Letter No. SA(NZ-I)/366 dated 15.10.2012.

Following provisions have been made in the estimate:-

1. RCC framed structure with RCC raft footing
2. Extra for earth resisting earthquake forces.
3. Internal water supply, sanitary and electrical installations i/c external service connection.
4. Provision for development of site for 4000 sqm area has been taken.
5. Provision for solar street lights automatic fire alarm 1250KVA transformer, solar power plant, water cooler with RO etc. have also been taken in this estimate.

SPECIFICATIONS:

As per CPWD Specifications 2009 Vol. I to II with upto date correction slips.

RATES :

By contract after call of tender.

COST:

Rs. 30,22,94,900/- i/c 3% contingencies

W.C. Estt:

Shall be met out of contingencies.

T & P :

All T&P shall be arranged by the contractor.

METHOD :

Based on PAR-2007 (Re-print 2010) and market rates.

LAND:

Available with the client department.

TIME :

After receipt of A/A & E/S

- | | |
|---------------------------------|-------------|
| (i) Pre-construction period: | 06 Months. |
| (ii) Post construction period : | 12 months |
| | : 18 Months |

Assistant Engineer (P)
CPWD, Chandigarh

Executive Engineer (P)
CPWD, Chandigarh

GENERAL ABSTRACT OF COST

ame of Work:- C/o School Building, Training and Placement cell (Basement and G+3) in NIT Campus, urukshetra.

[illegible]

ABSTRACT OF COST

ne of work : C/o School Building, Training and Placement cell (Basement and G+3) in NIT Campus, Kurukshetra.

No.	Description of Item	Qty.	Rate	Unit	Amount	Remarks
	R.C.C. framed Structure					
1	R.C.C. framed structure upto six storeys.					
1.1	Floor height 3.35mtr. (Office/ College/ Hospital)	8000.00	9150.00	sqm	73200000.00	1.1.1
					75400000.00	
	Extra for					(A)
2	Every 0.3mtr. additional height of floor above normal floor height of 3.35mtr./ 2.90mtr. Extra height $3.90 - 3.25 = 0.55\text{m}$	8000.00	275.00	sqm	2200000.00	1.2.3
3	Every 0.3mtr. deeper foundations over normal depth of 1.20mtr. (on Ground Floor area only)	2000.00	150.00	sqm	300000.00	1.2.5
4	Resisting earth quake forces.	8000.00	630.00	sqm	5040000.00	1.2.8
5	RCC raft foundation (GF only)	2000.00	3560.00	sqm	7120000.00	
7	Green building concept (GRIHA) on (A)	75400000.00	10.00	%	7540000.00	As per S.A. letter
8	Internal water supply & sanitary installations on (A)	75400000.00	5.00	%	3770000.00	3.1
9	External services connections on (A)	75400000.00	3.75	%	2827500.00	3.2
10	Quality Assurance on (A)	75400000.00	1.00	%	754000.00	3.6.7
12	Overhead tank without staging	80000.00	9.00	litre	720000.00	5.1
	Development of site					
13	Levelling	4000.00	55.00	sqm	220000.00	6.1
14	Internal road & paths	4000.00	83.00	sqm	332000.00	6.2
15	Sewer	4000.00	63.00	sqm	252000.00	6.3
16	Water supply					6.4
16.1	Filtered water supply distribution lines 100mm dia & below	4000.00	46.00	sqm	184000.00	6.4.1
16.2	Peripheral grid 150mm to 300mm dia pipes	4000.00	35.00	sqm	140000.00	6.4.2
17	Storm water drains	4000.00	50.00	sqm	200000.00	6.5
18	Horticulture Operations	4000.00	47.00	sqm	188000.00	6.6
19	Add for rain water harvesting			L.S.	1000000.00	
	Total				105987500.00	
	Add Cost Index @ 57.00% except on item No. 19				59842875.00	
	TOTAL				165830375.00	

Assistant Engineer(P)
CPWD, Chandigarh

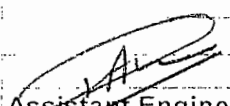
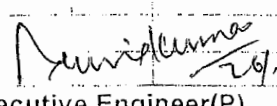
Executive Engineer(P)
CPWD, Chandigarh

Abstract of cost

Name of work : C/o School Building, Training and Placement cell (Basement and G+3) in NIT Campus, Kurukshetra.

SH:- Electrical Work.

Sr. No.	Description	Qty.	Unit	Rate	Amount	Remarks
1	Sub-Head-I (internal electification)					
1.1	Internal electrical installation on (A)	75400000.00	%	12.50%	9425000	PAR 3.3
1.2	External services on (A)	75400000.00	%	1.25%	942500	PAR 3.2
1.3	Power wiring,aternate generator supply and plug on (A)	75400000.00	%	4.00%	3016000	PAR 3.6.1
1.4	Telephone conduit on (A)	75400000.00	%	0.50%	377000	PAR 3.6.4
1.5	Computer conduiting on (A)	75400000.00	%	0.50%	377000	PAR 3.6.6
					14137500	(B)
1.6	Extra for Green building features on (B)	14137500.00	%	10.00%	1413750	PAR
1.7	Street lighting with HPSV/LED lamps	4000	sqm	95	380000	PAR 6.7.3
1.8	Fire fighting with wet riser system	10000	sqm	300.00	3000000	PAR (1.4.1)
1.9	Exit sign board and electrical signage	10000	sqm	50.00	500000	PAR (6.7.4)
1.10	LIFT 13 PASSENGER FOR B+ G+3 FLOORS	2	Nos.	1800000	3600000	PAR 4.1.3
					23031250	
	Cost index @ 57%				13127813	
					36159063	
2	Sub-Head-II (External electification)					
2.1	solar street lights with LED street light fittigs & GI octagonal pole/decorative pole and decorative lighting around building	40	Nos.	85000	3400000	M.R.
2.2	Addressable Intelligent Automatic fire alarm system + PA system.	10000	sqm	500.00	5000000	MR

Sr. No.	Description	Qty.	Unit	Rate	Amount	Remarks
2.3	Portable type fire Extinguishers system	50 Nos.		8000.00	400000	M.R.
3	Sub-Head -III (Augmentation of Sub- station equipments of existing sub station -I)					
3.1	750 KVA DG Sets	1 No.		9230000	9230000	M.R.
3.2	1250KVA transformer	1 No.		1911000	1911000	M.R.
3.3	Extension of existing HT panel with 1 no I O/G	1 Job		572000	572000	M.R.
3.4	Augmentation of LT Panels	1 Job		2275000	2275000	M.R.
3.5	Sub station interconnection & earthings 10% of (1.2 to 1.4)	3770000	Job	10%	377000	M.R.
3.6	LT Cables				1000000	M.R.
3.7	APFC PANEL	300	KVAR	1625	487500	M.R.
4	Sub Head-IV (Solar energy Systems)					
4.1	Solar Photovoltiac Power plant without batteries for day use with Grid feed unit as required as per green building norms	50	KW	250000	12500000	M.R.
4.2	Water coolers in SS body with RO Water Purifiers, stand etc.	8 Nos.		100000	800000	M.R.
5	Sub-Head -V (AC Systems)					
5.1	AC with winter heating including stand by units	400	ton	75000	30000000	M.R.
6	Sub-Head -VI (LAN Systems, EPBAX, Projection, Displays & sound system)					
6.1	SITC of LAN system with conduiting, cabling, Lan switches of 3 & 2 layers etc as required.	1 job		3000000	3000000	M.R.
6.2	Equipment, Wiring & Outlets for Voice Network			L.S.	800000	M.R.
6.3	Projection system with white e-board for each school building	4 jobs		2000000	8000000	M.R.
6.4	Sound system for for each school building	4 jobs		800000	3200000	M.R.
					119111563	
	 Assistant Engineer(P) CPWD, Chandigarh					 Executive Engineer(P) CPWD, Chandigarh

- 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

Item No. 18.6

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

The High Power Committee in its meeting held on dated 05-12-2012 decided to provide sound system in Board Room of Golden Jubilee Administrative Building which is also approved by the Hon'ble Director, NIT, Kurukshetra. Executive Engineer, CPWD, Karnal has submitted the cost estimate amounting to Rs. 18,27,000/- for A/A & E/S.

The B & WC may consider and approve the cost estimate for the above cited work for an amount of Rs. 18,27,000/-.

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

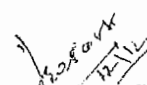

Asstt. Engineer (Civil)

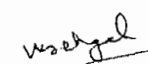

J.E. (C)



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 17/12/2012
Time 11:42 AM
NIT, KURUKSHETRA.

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
कार्यालय कार्यपालक इंजीनियर (वैद्युत)
करनाल केन्द्रीय वैद्युत मण्डल
22-इंदिरा कालोनी, करनाल . 132001
E-mail : cpwdeknl@yahoo.com



GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER(E)
KARNAL CENTRAL ELECT DIVISION
22-INDIRA COLONY, KARNAL - 132001
TEL :- 0184-2254952 FAX -01842254952
E-mail : cpwdknl@hotmail.com

संख्या 20{ 38 }/KCED/ Karnal/ 2012-13/109

दिनांक
17.1.2013

सेवा में,

The Dean(Estate),
NIT Kurukshetra.

विषय :- P.E. for the Work "Providing audio system in board room of new Admn. Block at NIT Kurukshetra."

सन्दर्भ :- Your office letter No. CC/31 दिनांक 16/01/2013

उपरोक्त विषय के सन्दर्भ में उपरोक्त कार्य का मात्र ₹ 18,27,000/- का प्रारम्भिक अनुमान आपके कार्यालय को सम्बन्धित अधिकारी से प्रशासनिक स्वीकृति एवं खर्चा मंजूरी प्राप्त करने हेतु संलग्न है।

संलग्न : Estimate (In duplicate)

कार्यपालक अभियन्ता(वै०),
करनाल केन्द्रीय वैद्युत मंडल,
के०लो०नि०वि०, करनाल।

प्रतिलिपि :-

सहायक अभियन्ता(वै०), करनाल केन्द्रीय वैद्युत उपमंडल के०लो०नि०वि० करनाल को उनके पत्र सम संख्या 8 दिनांक 17/01/2013 के सन्दर्भ में सूचनार्थ।

कार्यपालक अभियन्ता(वै०)

GOVT. OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

State: Haryana
Branch: E&M

Division: KCED, Karnal
Sub-Division: KCESD, 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. Narender Kaushal, Executive Engineer(Elect.), Karnal Central Elect. Division, CPWD, Karnal for the probable cost of ₹ 18,27,000 /- including 5% contingencies.

REPORT

History: This Preliminary Estimate amounting to ₹ 18,27,000 /- including 5% contingencies for the above cited work has been framed to cover the probable cost of above mentioned work for obtaining Administrative approval & Expenditure sanction from the Competent Authorities of NIT Kurukshetra. The estimate has been prepared as per requisition received from DEAN, Estate vide their letter No. CC/31 dated 16.1.2013.

Design & Scope: The estimate includes the following provisions:


- a) Provision of Delegate Units
- b) Provision of Central Control Unit.
- c) Provision of Ceiling Speakers.
- d) Provision of Mixing Amplifier.
- e) Provision of handheld cordless mike.
- f) Provision of lapel cordless mike.
- g) Provision of synoptic software system.
- h) Provision of customised rack. and necessary cabling etc.


Method: Through Contract

Rates: Market Rate

Time: 3 Months

Cost: ₹ 18,27,000 /- including contingencies


बहायत अविश्वता (विद्युत)
करवाय केन्द्रा विद्युत उपाय मण्डल
दे. बा. वि. वि. ११-१३


Executive Engineer(Elect.),
Karnal Central Elect. Division,
C.P.W.D. Karnal.

PRELIMINARY ESTIMATE

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

S.No.	Description of Item	Qty.	Rate	Unit	Amount
1	S/I/T/C of Delegate unit complete as required.	15 Nos	60000.00	each	900000.00
2	S/I/T/C of Central control unit complete as required.	1 No.	325000.00	each	325000.00
3	S/I/T/C of ceiling speakers complete as required.	6 Nos	5000.00	each	30000.00
4	S/I/T/C of mixing Amplifier complete as required.	1 No.	25000.00	each	25000.00
5	S/I/T/C of hand held cordless mike etc. as required.	2 Nos	45000.00	each	90000.00
6	S/I/T/C of lapel cordless mike etc. as required.	2 Nos	45000.00	each	90000.00
7	S/I/T/C of synoptic software system complete as required.	1 No.	175000.00	each	175000.00
8	Providing customised rack for above equipments complete as required.	1 No.	30000.00	each	30000.00
9	Providing necessary cabling including providing connector sets, brass grommets, testing etc. as required.	1 Job	75000.00	Job	75000.00
				Total	1740000.00
			Add contingencies @ 5%		87000.00
			G.Total		1827000.00

[Signature]
17.1.13

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17.1.13
सहायक अभियन्ता (विद्युत)
करनाल केन्द्रीय विद्युत उप मण्डल
के. ला. नि. वि. क. : ३

कार्यपालक अभियन्ता (वैद्युत)
करनाल केन्द्रीय विद्युत मण्डल
22-ए, इन्दिरा कालोनी,
कोल्लोनि वि०, करनाल

[Signature]
17.1.13