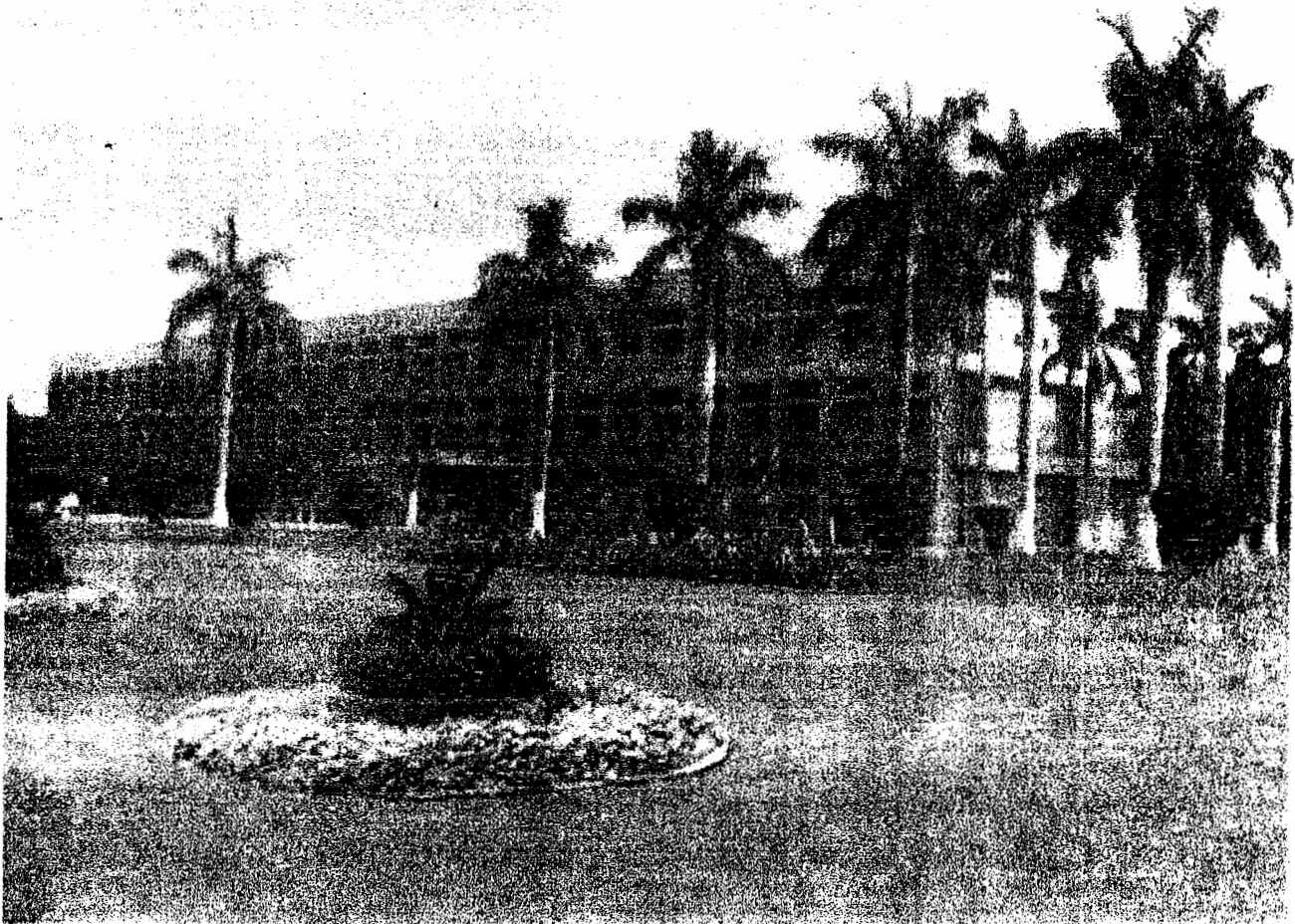




**MINUTES OF 19<sup>th</sup>  
MEETING OF BUILDING &  
WORKS COMMITTEE**

**Sept. 11, 2014**



**NATIONAL INSTITUTE OF TECHNOLOGY  
KURUKSHETRA-136119**

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KURUKSHETRA-136119**

**Minutes of the 19<sup>th</sup> meeting of Building and Works Committee held on 11.09.2014 at 11.00 am in the Board Room, Golden Jubilee Administrative Building, National Institute of Technology, Kurukshetra**

The following were present:

- |    |   |                         |
|----|---|-------------------------|
| 1. | <b>Prof. Anand Mohan</b><br>Director<br>National Institute of Technology<br>Kurukshetra   | <b>Chairman</b>         |
| 2. | <b>Prof. V.K. Sehgal</b><br>Dean (Planning & Development)<br>National Institute of Technology<br>Kurukshetra  | <b>Member</b>           |
| 3. | <b>Er. R K Sao</b><br>Superintending Engineer (Electrical)<br>Chandigarh Electrical Central Circle, CPWD<br>Chandigarh  | <b>Member</b>           |
| 4. | <b>Er. Mahender Pal Singh</b><br>Superintending Engineer (Civil)<br>Chandigarh Central Circle, CPWD<br>2 <sup>nd</sup> Floor, Kendriya Sadan<br>Sector 9A, Chandigarh | <b>Member</b>           |
| 5. | <b>Prof. K.K. Singh</b><br>Dean (Estate)<br>National Institute of Technology<br>Kurukshetra   | <b>Special Invitee</b>  |
| 6. | <b>Prof. Ashwani Jain</b><br>Prof. in-charge (Estate & Construction)<br>National Institute of Technology<br>Kurukshetra   | <b>Special Invitee</b>  |
| 7. | <b>Dr. Ashwani Kumar</b><br>Prof- in- Charge (Elect. Mtc)<br>National Institute of Technology<br>Kurukshetra  | <b>Special Invitee</b>  |
| 8. | <b>Er. S.N. Kaushik,</b><br>Assistant Engineer (Civil)<br>National Institute of Technology<br>Kurukshetra   | <b>Special Invitee</b>  |
| 9. | <b>Dr. Shyam Narayan</b><br>Registrar<br>National Institute of Technology<br>Kurukshetra  | <b>Member-Secretary</b> |

The Nominee of MHRD could not attend the meeting.

Before the start of deliberations, the Chairman, B&WC welcomed all the members present in the meeting. He desired that meetings of B&WC should be held regularly so that the progress of works is reviewed periodically and necessary modifications could be done in the course of action depending on the need without causing any delay to the execution of projects. He also informed that BOG and FC of the institute is of view that only works of priority should be approved by B&WC considering the cash flow of the financial year. The Chairman, B&WC desired that agenda for the meetings must be prepared and circulated to all the members well in advance as per stipulated time under the rules so that they get sufficient time to go through the agenda items and contribute effectively. The Chairman, B&WC observed that one of the members of the committee has to be nominated by the Board of Governors. He requested the Registrar to place an agenda item for the same in the ensuing meeting of the BOG. Thereafter, the Chairman, B&WC handed over the proceedings to Dean (Estate) who extended a warm welcome to the new member Er. Mahender Pal Singh, Superintending Engineer (Civil), CPWD, Chandigarh.

The Building & Works Committee decided on the following:

**Item No.19.1            To confirm the minutes of 18<sup>th</sup> meeting of the Building & Works Committee held on 9.12.2013**

While discussing confirmation of minutes of 18<sup>th</sup> meeting of B&WC, Professor Incharge (EM) raised the issue of damage to HT/LT electrical cables during digging process for various works by the contractors working under the Civil Wing of CPWD. It has frequently resulted in power breakdown in the institute leading to academic loss, and even unrest in the students. Telephone lines and internet cables are also damaged. The members felt that there should be better coordination between Civil and Electrical wings of CPWD during execution of works. Superintending Engineer (Civil), CPWD, assured that henceforth, approval will be taken from the electrical wing of CPWD and institute authorities before starting any excavation work. He also assured that in future, contract agreements will lay down terms and conditions that include a clause that any damage/loss to the institute property will follow a penalty of Rs. One lakh on the contractor. The contractor will also be asked to repair any damage caused at genuine cost within 48 hours. SE (Civil), CPWD was also

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requested to depute adequate regular staff for supervision of various works taken up by the CPWD in the institute.

The minutes of 18<sup>th</sup> meeting of Building & Works Committee held on 9.12.2013 as circulated amongst the members vide letter No.NIT/18<sup>th</sup> BWC/284 dated 22.1.2014 were confirmed with the above observation.

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

The B&WC noted the action taken on the minutes of the 18<sup>th</sup> meeting of the Building & Works Committee held on 9.12.2013.

While noting the action taken report on various decisions taken in 18<sup>th</sup> meeting, the following points came under discussion.

Under item 18.2, actions taken on decisions of 16<sup>th</sup> meeting:

- Under item 16.4, CPWD was requested to rectify all kinds of defects of HT/LT work viz. non-functional lights & network cable repair/ replacement within fifteen days and hand over this work to Institute by September 30, 2014 along with all pending documents.
- The cost estimate for convention centre has not been requested from CPWD being a low priority item as decided by Estate Affairs Committee (EAC) and hence could not become part of agenda for the meeting.
- Under 16.8, for the work of aviation lights and lightning conductor in Mega Boys Hostel for which A/A and E/S has already been conveyed, Superintending Engineer (Electrical), CPWD assured that work would be completed within 15 days.
- Under item 16.9 for underground water tank for firefighting purpose for Mega Boys Hostel, the CPWD has been intimated to take the work under the project of 600-seater Girls hostel. Superintending Engineer (Electrical), CPWD assured that a comprehensive proposal for firefighting work for all the buildings of the institute would also be submitted by 30<sup>th</sup> November 2014. The same would be incorporated in master plan also.
- Under items 16.10 and 16.11 for work of replacement of existing LT panels with MCCB's/MCB's in the institute, A/A and E/S has already been conveyed to the CPWD. In response to the communication received from SE(E), CPWD, EAC will take a policy decision on the matter of

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switching from existing lighting fixtures to LED lights, and their cost of replacement, availability of components in market and illumination level in offices/class rooms. Further, as regard to replacement of fans, heavy duty fans be provided so that the decibel level of the installed fan is within acceptable limit and electronic regulators be replaced with an alternative regulator.

- Under item 16.14 and 16.15 for DG power backup for instructional buildings and hostels, for which A/A and E/S has already been conveyed, Superintending Engineer (Electrical), CPWD informed that the tender documents would be finalized within a week and the work would be completed in three months.
- Under item 16.16 for covering of graded seating arrangement of open air theatre, for which A/A and E/S has already been conveyed, Superintending Engineer (Civil), CPWD informed that the design is in advance stage. After vetting, design would be submitted for approval of the institute before starting the work.
- Under item 16.17 regarding lifts for PwD students, Superintending Engineer (Electrical), CPWD informed that there was a delay in finalizing the sites of lifts for the eight identified buildings and the same would be done immediately after the meeting in consultation with institute authorities. Thereafter, the project would be started without further delay.

Under item 18.2, actions taken on decisions of 17<sup>th</sup> meeting:

- Under item 17.6 regarding permanent and temporary huts for security personnel, it was informed that A/A and E/S would be conveyed to CPWD within 15 days after finalization of drawings by the EAC.

Under item 18.3 regarding provision of staircase in double storey faculty houses, it was informed that A/A and E/S has not been conveyed this work being a low priority item as decided by EAC.

Under item 18.7 (Tabled agenda) for the work of installation of low wattage LED lights in sports complex and other locations of the institute, Superintending Engineer (Electrical), CPWD informed that excavation work is going on and the project is likely to be completed by 10<sup>th</sup> October 2014.

**Item No.19.3 To consider & approve the Cost Estimate for Construction of Additional Examination Hall at NIT, Kurukshetra**

The B&WC considered the cost estimate submitted by CPWD for the work of examination hall (G+3) for an amount of Rs. 13,68,10,300/-. It was observed that provision for a DG set amounting to Rs. 25,00,000/- has been included in the cost estimate. Since a comprehensive DG power backup facility is being provided in the institute, therefore there is no need to include the same in the cost estimate. Further, there is a need to provide air-conditioning/air-cooling facility in the building. Hence, it was decided that the CPWD be requested to provide a revised cost estimate excluding provision of DG set and including provision of cost effective HVAC (Heating, ventilation, air-conditioning) facility. The Chairman, B&WC was authorized to approve the revised cost estimate, if increase in cost estimate is within 10% of the submitted estimate.

**Item No. 19.4 To consider & approve the cost estimate for 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**

The B&WC considered the cost estimate for the work for an amount of Rs. 2,29,78,500/- and observed that for maintenance work, the estimate seems to be very high. The item was deferred till the submission of a report for the same within two months by a committee which would include Dr. S K Madan, Professor in Civil Engineering, Professor Incharge (E&C), Asstt. Engineer (C). The committee will base its report on inputs from estate section which will carry out on-site visits to identify the type of house, details of repair work required and comprehensive cost estimate. The Chairman, B&WC was authorized to approve the revised cost estimate.

**Item No. 19.5 To consider & approve the Cost Estimate for construction of Multi-storey building for four schools for PG study and research and class/tutorial room and faculty chambers at NIT Kurukshetra**

The B&WC considered the issue of revision in cost estimate from Rs. 35,66,43,200/- to Rs. 122,95,32,700/- in view of the increase in the scope of work. It was pointed out that initially the proposed building was (G+3) for

four PG schools. Later, as per decision taken in 18<sup>th</sup> B&WC, in order to meet the increasing space requirements of the institute, e.g. more faculty offices, class rooms, tutorial rooms, conference rooms, seminar rooms etc. were added to the structure (now G+5). This has resulted in an increase in plinth area (which includes area of all the floors) from approx. 10,000 sqm to approx. 31,000 sqm. The B&WC approved the cost estimate for an amount of Rs. 122,95,32,700/-.

**Item No. 19.6 To consider & approve the Cost Estimate for providing Concertina coil over the institute boundary for security purpose at NIT Kurukshetra**

The Chairman, B&WC pointed out that in detailing of the item, it has been wrongly mentioned that Chairman BOG held a meeting with "Director and other officers". Instead, it should read "Dean (Estate) and the security expert Sh. K N Rai" and the same be corrected. The B&WC considered the issue and it was resolved that concertina coil be provided all along the periphery maintaining its height at 7 feet above the ground level. The B&WC approved the cost estimate for Rs. 53,03,000/-.

**Item No. 19.7 To consider & approve the Cost Estimate for the construction of multi-storey building for faculty/officers having 40 apartments at NIT Kurukshetra**

The B&WC considered and approved the cost estimate for the construction of multi-storey building for faculty (Professors/Associate Professors/Assistant Professors)/Officers having 40 apartments at NIT Kurukshetra for an amount of Rs. 26,83,62,400/- keeping in view the shortage of faculty houses.

**Item No. 19.8 To consider & approve the revised Cost Estimate for extension of existing connecting corridor upto MBA/MCA and LHC block in the Instructional Building at NIT Kurukshetra**

The B&WC deliberated on the matter and observed that the cost estimate has increased from Rs. 29.26 lakh to Rs. 64,79,500/- with the increase in area due to additional scope of work in the form of a big hall and two extra wide corridors in front of LHC block and MBA/MCA block as decided in previous B&WC

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meeting. Therefore, the B&WC approved the revised cost estimate for Rs. 64,79,500/-.

**Item No. 19.9 To consider & approve the Cost Estimate for the provision of vitrified floor tiles in office chambers, class rooms and laboratories of various departments in the institute and Chemistry Deptt., Room no. E-222, class rooms and labs in Electrical Engg. Department at NIT Kurukshetra**

Members observed that the matter has not been recommended by the Estate Affairs Committee. Therefore, it was resolved that the same be referred to EAC for its decision in the matter before bringing it as an agenda item to B&WC.

**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 deliberated on the matter where Professor Incharge (EM) apprised that the existing audio systems in the Senate and Jubilee Halls are not functioning properly and have outlived their utility. These require periodic repair and maintenance and despite that they have become unreliable. Therefore, audio systems need to be replaced/upgraded. Further, the Board Room of Golden Jubilee Administrative Building does not have any audio system which creates difficulties in the conduct of official meetings.

After due deliberations on the matter, the B&WC approved the revised cost estimate amounting to Rs. 2,20,11,080/- for providing audio system in the Board Room of Golden Jubilee Administrative Building and replacement/upgradation of audio systems installed in Senate Hall and Jubilee Hall of the institute.

**Item No. 19.11 To consider & approve the Cost Estimate for providing peripheral road along the external boundary wall of the institute for security and maintenance purpose at NIT Kurukshetra**

The B&WC deliberated on the matter where it was pointed out by SE (E), CPWD that construction of peripheral road would increase the covered area of the institute, whereas NIT Kurukshetra needs to meet EIA (Environmental Impact Assessment) requirement of MOEF (Ministry of Environment and Forests) as it

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has already exceeded the limit of paved area. In the light of above, the matter of providing peripheral road along the external boundary wall of the institute for security and maintenance purpose was approved in principle for an amount of Rs. 2,03,60,300/- pending EIA clearance from MOEF before starting the work.

**Item No. 19.12 To consider & approve the cost estimate for the provision of resurfacing and widening of existing roads in residential campus and institutional area at NIT Kurukshetra**

The B&WC deliberated on the matter of provision of resurfacing and widening of existing roads in residential campus and institutional area of the institute for an amount of Rs. 2,14,50,600/-. It was observed that the existing roads have adequate width and there has not been any increase in traffic as the proposed roads are mostly in residential area. Therefore, it was resolved that only resurfacing work be done. The Chairman, B&WC was authorized to approve the revised cost estimate.

**Tabled Item No. 19.13 To consider & approve the cost estimate for the provision of construction of verandah for non-teaching staff club situated in F-type quarters at NIT Kurukshetra**

The B&WC deliberated on the matter and approved the cost estimate for the provision of construction of verandah for non-teaching staff club situated in F-type quarters at NIT Kurukshetra for an amount of Rs. 41,47,400/- for holding various functions by the non-teaching staff.

**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**

During deliberations, it was brought to the notice that number of houses for Class II and Class III employees of the institute is inadequate as compared to their sanctioned strength. Therefore, the B&WC committee approved the cost estimate for provision of construction of Type-II and Type-III houses for non-teaching staff at NIT Kurukshetra for an amount of Rs. 9,32,60,600/-. The B&WC further resolved that Non-teaching G-type quarters which were meant for Class IV employees be renovated and utilized for ad hoc faculty, research scholars, married PG students and JRFs.

**Any other item:**

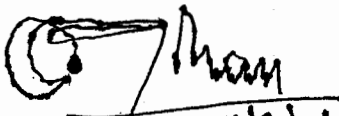
Under any other item, the matter related to solar street lights in the institute was discussed. The existing solar street lights have become unserviceable as they have outlived their utility. There have been frequent breakdowns entailing maintenance including replacement of batteries which is not proving to be cost effective. It was decided that the solar street lights be removed. It was also resolved that the solar panels be utilized by the institute for project/research work of Electronics and Communication Engg. Deptt., Electrical Engg. Deptt., Mechanical Engg. Deptt. and School of Renewable Energy & Efficiency.

Further, the B&WC resolved that a committee including Dean (P&D), Professor Incharge (EM) and SE(E), CPWD be constituted to propose viable use of renewable energy sources for reducing electricity bill of the institute.

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

  
17/9/14  
Registrar & Member-Secretary  
Building & Works Committee  
NIT, Kurukshetra

Authenticated

  
17/9/14  
Director &  
Chairman, Building & Works Committee  
NIT, Kurukshetra

