



**MINUTES OF 25TH
MEETING OF BUILDING &
WORKS COMMITTEE
MAY 27, 2019**



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**



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KURUKSHETRA-136119**

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

The following were present:

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| 1. Dr. Satish Kumar
Director,
National Institute of Technology,
Kurukshetra | Chairman |
| 2. Shri A K Singhal,
Director General (Retired),
C.P.W.D,
Flat No. B-2012,
Gaur Green City Vaibhav Khand,
Indirapuram, Distt. Ghaziabad-202020(UP) | Member |
| 3. Prof. A. Swarup
Dean (Planning & Development)
National Institute of Technology,
Kurukshetra | Member |
| 4. Er. Rajeshwar Tyagi
Executive Engineer (Electrical),
Karnal Central, Elect. Division, 208-D,
HSIIDC, Sector-3,
Karnal (Haryana)-132001 | Member |
| 5. Er. C.J. Pasrija
Executive Engineer (Civil),
Karnal Central Division, CPWD
NDRI Campus, Near SBI,
Karnal (Haryana)-132001 | Member |
| 6. Prof. S. M. Gupta
Prof. in-charge (Estate & Construction),
National Institute of Technology,
Kurukshetra. | Special Invitee |



7. **Dr. Aiedapu Mahesh** **Special Invitee**
Faculty- in- Charge (Elect. Mtc & Telephone)
National Institute of Technology,
Kurukshetra
8. **Er. S.N. Kaushik,** **Special Invitee**
Assistant Engineer (Civil)
National Institute of Technology,
Kurukshetra
9. **Prof. Surinder Deswal** **Member-
Secretary**
Registrar-Incharge
National Institute of Technology,
Kurukshetra

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

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

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

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

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

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

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

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

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

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

- **BWC 23.6, 23.8 & 23.9:** No further action is required as the 35th FC declined to consider these works.
- **BWC 23.10:** In the light of the decision of Finance Committee for the provisions of GFRs 2017 applicable to autonomous bodies may be adopted by the Institute regarding delegation of powers to Director & Chairman, Building & Works Committee for original / minor /repairs works. In this regard, the detailed reply alongwith reminders has already been sent to MHRD. No response in this regard has been received from Ministry so far.
- **BWC 24.3** The Building and Works Committee was apprised that the administrative approval and expenditure sanction for the provision of additional floor by providing Pre-fab construction with the provision of air-conditioning, lifts and staircase etc. over the Old MBA/New Workshop Building and special repairs & maintenance for Ground Floor and first floor as per the requirement of Centre of Excellence in the existing workshop building for heavy machinery has already been conveyed to CPWD. During discussion the Executive Engineer, CPWD intimated that the tendering work is in process.
Further, it was desired that monitoring meeting in this regard will be held with the Superintendent Engineer (Civil), CPWD on regular basis .
- **BWC 24.4** The B&WC discussed the matter in detail and asked to update the status of the work of Additional Floor over the MBA/MCA building. It was apprised that the 37th FC meeting vide No. 37.32(2) held on 4.06.2018 it was decided that the construction of additional floor under this work is to be carried out as conventional permanent construction instead of pre-fab construction and subsequently approved in the 45th BOG Meeting vide item No. 45.31 held on 4.06.2018. In view of this a Committee under the chairmanship of Sh. A K Singhal, Director General (Retd.), CPWD was constituted by the Hon'ble Director and Chairman B&WC for analysis of structural design, drawings and vetting etc. for the proposed structure. The above committee met on 28.12.2018 and decided that the earlier architect

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

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

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

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

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

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

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

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- BWC 25.3** To consider and approve the cost estimates for providing & fixing of vitrified floor tiles, false ceiling, aluminium partitioning, kota stone chemical/acid resistance tiles and G.I. Sheet shade etc. in the various departments.

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

- BWC 25.4** To consider and approve the cost estimate for the provision of internal & external finishing i.e. distempering & painting in the Boys Hostels 1 to 10, Girls Hostels 1 to 4 and Staff Quarters including BT/CT type houses.

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

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

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

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

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

BWC 25.7 To consider and approve the detailed Cost Estimate for strengthening of existing Cement Concrete pavement/road from North East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA Department and road between Jubilee Hall & Library including arrangement of drainage of storm water at NIT, Kurukshetra.

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

In view of the above the B&WC approved the cost estimate with an amount of Rs. 87,13,400/- for special repairs and maintenance (strengthening) of existing Cement Concrete pavement/road from North East Corner of CCN to Junction between Cauvery Hostel & MBA/MCA Department and road between Jubilee Hall & Library including arrangement of drainage of storm water of the Institute.

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

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

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

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

BWC 25.9 To consider and approve the detailed Cost Estimate for widening of various roads in the Institute.

- i Road from Apollo Canteen to Security Check Post between Hostel No. 7 & 8 along with the provision of footpath as per site requirement.
- ii Road from Tubewell No. 5 to Junction near disposal pump along with the provision of footpath as per site requirement.
- iii Road from Junction near disposal pump to North West corner of Guest House .

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

Authenticated

Director &
Chairman, Building & Works Committee
NIT, Kurukshetra

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