



**MINUTES OF 35th BUILDING & WORKS COMMITTEE
MEETING HELD ON 28 October 2024, 03.00 PM AT OOM Room
(Hybrid mode), NATIONAL INSTITUTE OF TECHNOLOGY,
TIRUCHIRAPPALLI.**

PRESENT:

1. Dr G. Aghila - Chairperson
Director
NIT Tiruchirappalli
2. Shri N S Bisht - Member
Deputy Secretary
MoE, Govt. of India
3. Smt. Veena Dunga - Member
Deputy Secretary, (NIT-Division),
MoE, Govt. of India
4. Dr K. Baskar - Member
Dean (Planning & Development)
NIT Tiruchirappalli
5. Shri. Maruthanayagam Dhayalan - Member
Power grid corporation of India ltd
Tamil Nadu
6. Dr R. G. Robinson, Professor - Member
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai – 600 036
7. Dr Satheeshkumar V - BoG Member
Department of Production
NIT Tiruchirappalli
8. Dr N. Thamaraiselvan - Member Secretary
Registrar i/c
NIT Tiruchirappalli
9. Dr S. Moorthi - Special Invitee
Chief of Works
NIT Tiruchirappalli
10. Dr Jeevan Joseph - Special Invitee
Associate Dean (Planning & Development) – Civil
NIT Tiruchirappalli

11. Dr D. Kannamma - Special Invitee
Associate Dean (Planning & Development) – Infra
NIT Tiruchirappalli
12. Dr Karthik Thirumala - Special Invitee
Associate Dean (Planning & Development) - Electrical
NIT Tiruchirappalli
13. Er R. Narayanan - Special Invitee
Executive Engineer,
NIT Tiruchirappalli

The Chairperson welcomed the Members and the Special Invitees to the 35th Meeting of the Building and Works Committee and briefed the B&WC about the project updates since last B&WC Meeting. Thereafter, the Agenda items were taken up for discussion.

ITEM No. 1 CONFIRMATION OF THE MINUTES OF THE 34th MEETING OF THE BUILDING and WORKS COMMITTEE HELD ON 30.05.2024

The Minutes of the 34th Meeting of the Building and Works Committee (B&WC) of the National Institute of Technology, Tiruchirappalli, held on 30th May 2024 were confirmed as circulated.

Resolution 35/B&WC/2024/1	RESOLVED THAT the Minutes of the 34th Meeting of Building & Works Committee be Confirmed.
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ITEM No. 2 ACTION TAKEN REPORT ON THE MINUTES OF THE PREVIOUS MEETING HELD ON 30.05.2024

The details of the Action Taken on the decision of the B&WC are given below:

Resolution No.	Gist of the Decisions of 34th Meeting of the B & WC	Action Points / Action Taken
34/B&WC/2024/1	Confirmation of the Minutes of the 33 rd Meeting of B&WC	Confirmed.
34/B&WC/2024/2	Action Taken Report on the Previous Meeting of the B&WC.	Appropriate actions were taken
34/B&WC/2024/3	Approval of New work proposal Item no: 3(i)- Revised approval for the construction of STP on campus 3(ii)- Master Plan preparation for NITT (phased manner) 3(iii)- Supply, installation, testing, and commissioning of an 8-passenger lift in the OPAL-D hostel 3(iv)- Additional expenditure sanction for Supply, installation, testing, and commissioning of 1010kVA HT DG set with synchronization 3(v)- Construction of cable trench for electrical cables around Production, Mechanical & MME Annex 3(vi)- Additional expenditure sanction for "Providing AC for Barn Hall" - 2019	Submitted to FC & 76 th BoG Submitted to FC & 76 th BoG Submitted to FC & 76 th BoG Submitted to FC & 76 th BoG Submitted to FC & 76 th BoG Submitted to FC & 76 th BoG

34/B&WC/2024/4	PROPOSALS FOR RATIFICATION OF ADDITIONAL EXPENDITURE IN THE WORKS BY CPWD	
	a) Additional expenditure for “Conversion of OH Lines into UG Cable for Street lights and Service connections. – Dec- 2012 Rs.0.25 Cr	Submitted to FC & 76 th BoG
	b) Additional expenditure for “Purchase of 750 kVA DG set at NIT, Trichy” - Sep- 2013 Rs.1.22 Cr	Submitted to FC & 76 th BoG
	c) Additional expenditure for “Augmentation of LT Electrical installation at various buildings”. Mar- 2014 Rs.0.29 Cr	Submitted to FC & 76 th BoG
	d) Additional expenditure for “Rewiring of 9 nos. of hostels including Coral, Opal A, B, C, Coral and Jade Hostel”- Apr-2014 Rs.2.27 Cr	Presented in 35 th BWC with additional details
34/B&WC/2024/5	Third Party Quality Assurance - TPQA for ongoing Annex Building Construction	Works are noted and appropriate actions were taken
	Reporting of the works executed by the Estate Maintenance Department from 01.02.2024 to 15.05.2024	Works are noted and appropriate actions were taken
	Progress report of various construction works entrusted to CPWD	The progress of work carried out by CPWD was reviewed by the committee.

Resolution 35/B&WC/2024/2	RESOLVED THAT the action taken on the decisions of the 34th Meeting of Building & Works Committee be noted.
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ITEM No. 3 APPROVAL FOR NEW WORK

i	Acoustical Treatment for Golden Jubilee Convention Hall	Rs. 7.5 Crores
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NIT Tiruchirappalli organizes many events that involve a gathering of its stakeholders at various scales. The Golden Jubilee Convention Hall (GJCH) of the institute is the largest hall with a capacity of approximately 5000 people. At present, the hall has some of the acoustical challenges, like sound echoing,

excessive reverberation, and inconsistent sound distribution. Acoustical treatment GJCH will significantly enhance the venue's functionality and attendee experience and can accommodate multiple events. This proposal outlines a comprehensive plan for acoustical treatment to enhance sound quality within the venue, ensuring optimal functionality for various events. The key objectives are to improve speech intelligibility, control reverberation, optimize sound quality, and enhance audience comfort. The preliminary cost estimate for the acoustical treatment of the hall as submitted by an acoustic consultant is Rs. 5.3 crore (excluding the contingency, overhead, scaffolding, contractor profit, etc). Considering the additional requirements, it is approximately estimated as Rupees 7.5 crores. Hence, the Building and Works Committee may kindly consider and accord approval for the proposed work for an estimated cost of Rs. 7.5 crores under OH35.

Resolution 35/B&WC/2024/3/i	The Building and Works Committee reviewed the project and suggested to submit a detailed estimate from the CPWD or other government organizations.
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ITEM No. 4. RATIFICATION PROPOSALS FOR THE ADDITIONAL EXPENDITURE INCURRED IN THE FOLLOWING PROJECTS EXECUTED BY CPWD

The Institute is engaging CPWD for developing major infrastructural projects (construction of major civil structures and electrical works) in the campus after becoming NIT. It was found that the actual expenditure was higher than the BoG approved expenditure for the projects, which were executed during 2012 to 2017. In total, there were seven such projects, out of which four were presented with justification statements as submitted by CPWD and ratified in the 34th BWC and the corresponding FC and BoG. The remaining three projects are presented in this 35th BWC for ratification. The works mentioned in Item No. 4(i) to 4(iii) are completed and handed over to NIT Tiruchirappalli. The CPWD settled the payments from the excess funds/savings available from other projects. Hence, the following works may be ratified and recommended to FC & BoG.

i	Rewiring of 9 nos. of hostels including Emerald, Lapis, Pearl, Ruby, Sapphire, Topaz, Beryl, Agate, and Diamond - 2014	Additional expenditure incurred - Rs. 0.86 Crore
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The work was recommended in the 13th B&WC & 21st FC and approved in 34th BoG held on 3rd August 2013 for an estimated cost of Rs. 1.38 Crores. Based on the PE from CPWD dated 02.04.2014, an Administrative Approval and Expenditure Sanction (AA&ES) of Rs. 3,91,06,199 was accorded to CPWD in 2014. However, the total expenditure after completing the work was Rs. 4,76,84,145. An additional expenditure of Rs. 85,77,946 (21.9% over and above the AA&ES) is incurred during the execution of the work due to the slight modifications in the work as per the site requirements. The additional work includes cabling, DWC pipe, and outdoor panels. Moreover, there were deviations in the wiring, fittings, ceiling

fans, etc. The Building and Works Committee may kindly consider and ratify the additional expenditure of Rs.0.86 crores that leads to a total expenditure of the project for an amount of Rs. 4.76 crores.

Resolution 35/B&WC/2024/4/i	The Building and Works Committee reviewed the ratification proposal and suggested to furnish supporting documents/bills to substantiate the additional expenses incurred over and above the approved AA and ES.
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ii	Construction of Multipurpose Hall (presently referred as Golden Jubilee Convention Hall - GJCH) – 2013	Additional expenditure incurred - Rs. 2.76 Crore
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The construction of the multipurpose hall for the NITT campus was recommended in the 12th BWC and the work was approved in the 32nd BoG held on 22/12/2012. Further, AA and ES for Rs. 13.93 Crores was approved for the proposed work. In the execution phase of the project, an additional cost was incurred owing to the inclusion of retaining structure and other developmental works as per the architectural and structural design. In addition to this, an underground sump, as per the directions from the Fire and rescue services department of the state, had to be constructed, which was not included in the preliminary estimate. These additional works resulted in cost escalation, amounting to 2.76 Crores (19.8 % above the sanctioned AA and ES) for the project. Therefore, the cost of expenditure at the end of the project turned out to be Rs. 16,69,10,176. The Building and Works Committee may kindly consider and recommend the additional cost of Rs. 2.76 Crores to the FC for the project.

Resolution 35/B&WC/2024/4/ii	The Building and Works Committee reviewed the ratification proposal and suggested to furnish supporting documents/bills to substantiate the additional expenses incurred over and above the approved AA and ES.
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iii	Construction of Dining hall for Amber hostel - 2012	Additional expenditure incurred - Rs. 0.44 Crore
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The approval for the construction of the dining hall for Amber, Garnet, and Aquamarine Hostels was obtained in the 12th BWC and 32nd BoG meeting held on 22/12/2012 for an amount of Rs. 9.75 Crores. The AA & ES was sanctioned for Rs. 1.72 Crores for individual hostel kitchen, and the work was executed through CPWD. In order to ensure the utility and proper functionality of the building, additional work had to be executed under this project. The work included internal water supply lines, sanitary installations, leveling and clearing of site pathways, providing cycle pathways etc. These works resulted in additional expenditure of around 44 lakhs over and above the AA&ES of Rs. 1.72 crores, which accounts for around 26% deviation. The Building and Works Committee may kindly consider and recommend the additional cost of Rs. 0.44 crore to the FC for the project.

Resolution 35/B&WC/2024/4/iii	The Building and Works Committee approved the ratification request and recommended to FC and BoG for an additional expenditure sanction of Rs. 0.44 crore towards audit compliance.
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ITEM No. 5: REPORTING ITEM

(i) Reporting of the works executed by the ESTATE MAINTENANCE DEPARTMENT FROM 16.05.2024 to 15.10.2024

The list of works (Completed & Paid, Completed, In Progress, and Approved) executed by the Estate Maintenance Department, NITT, is given in Annexure-A of 35th B&WC Agenda and reported.

(ii) Progress Report of Various Construction Works Entrusted to CPWD

a) Vertical expansion of Lecture Hall complex:

The construction of the vertical expansion of the LHC (LOGOS) building is completed, and regular classes are commenced in the building. The student cycle parking work adjacent to the building has also been completed.

b) 506 seated Amethyst Boy's hostel:

The construction of the 506 seated AMETHYST boys' hostel was completed and the hostel was given for student accommodation. The compound wall and cycle parking work was also completed. The furniture purchase for the hostel is in process.

c) Annex building for the Production, MME & Mechanical department:

Production department: The floor tiles laying and false ceiling work are in progress along with other finishing activities. The proposed completion schedule of the building is Nov-2024.

MME & Mechanical department: The floor tiles laying and false ceiling work are in progress along with other finishing activities. The proposed completion schedule of the building is Nov-2024.

d) Annex building for the ICE, Civil & EEE department:

ICE department: The floor slab casting, brick work and plastering works are completed. The flooring work is under progress.

Civil department: The floor slab casting is completed. The brick work and plastering are under progress.

EEE department: The second-floor slab casting is in progress. The brick work and plastering in the ground and first floor are under progress.

(iii) Third Party Quality Assurance (TPQA) for road carpeting work

The re-carpeting of damaged roads in the institute has been approved for an amount of Rs. 8.05 Crores in the 74th BoG under OH31 and the work is entrusted to the CPWD. The ongoing major works that are executed with CPWD are being monitored with the help of the TPQA agency. The scope of the TPQA agency includes (i) monitoring the progress of work in adherence to the timeline of the project, (ii) ensuring the quality of the works, (iii) endorsing the project binding with the contract specification, (iv) confirming superior and ethical construction practices, etc... Hence, to ensure the work quality, it is proposed that a Third-party quality assurance (TPQA) agency be deployed for road re-carpeting works. The work value for the TPQA is around 10 Lakhs and the expenses shall be met from the IRG. This is for the information of Buildings & Works Committee.

Resolution 35/B&WC/2024/5	Resolved that (i) Works executed by the Estate Maintenance Department from 16.05.2024 to 15.10.2024 are noted. (ii) Progress of various construction works entrusted to CPWD are noted. (iii) The Building and Works Committee noted the work and recommended to follow the Tender procedure to award the TPQA work.
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The Meeting ended with vote of thanks by the Chairperson.



Member Secretary



Chairperson