



MINUTES OF 30th MEETING OF THE BUILDING & WORKS COMMITTEE HELD ON 21st Nov 2022 AT 03.00 PM THROUGH WEBEX(ONLINE), NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI.

PRESENT:

1. Dr. G.Aghila - Chairperson
Director,
NIT Tiruchirappalli
2. Veena Dunga -Member
Dy. Secretary, NITs,
Dept of Higher Education,
MoE, Govt.of India
3. Dr. M. Duraiselvam - Member
Dean (Planning & Development)
NIT Tiruchirappalli
4. Shri. Maruthanayagam Dhayalan - Member
Power grid corporation of India ltd
Tamil Nadu
5. Dr. R. G. Robinson, Professor, - Member
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai – 600 036
6. Dr. G. Saravana Ilango - BoG Member
Department of EEE
NIT Tiruchirappalli
7. Dr. N. Thamaraiselvan - Member Secretary
Registrar i/c
NIT, Tiruchirappalli
8. Dr. R. Manjula - Special Invitee
Associate Dean (Planning and Development)
NIT Tiruchirappalli

9. Er. R. Narayanan
Executive Engineer,
NIT Tiruchirappalli

- Special Invitee

The Chairperson welcomed the Members and Special Invitees to the 30th Meeting of the Building and Works Committee and briefed the B&WC about the observations since the last B&WC Meeting. Thereafter the Agenda items were taken up for discussion.

ITEM NO. 1. CONFIRMATION OF THE MINUTES OF THE TWENTY NINETH MEETING OF THE BUILDING & WORKS COMMITTEE HELD ON 17.06.2022.

The Minutes of the 29th Meeting of the Building & Works Committee (B&WC), NIT Tiruchirappalli held on 17th June 2022 were confirmed as circulated.

**RESOLUTION RESOLVED THAT the Minutes of the
30/B&WC/2022/1 29th Meeting of Building & Works
Committee be Confirmed.**

ITEM NO. 2. ACTION TAKEN REPORT ON THE MINUTES OF THE 29thB&WC MEETING HELD ON 17.06.2022.

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

Resolution No.	Gist of the Decisions of the 29th Meeting of the B &WC	Action Points / Action Taken
29/B&WC/2022/1	Confirmation of the Minutes of the 28 th Meeting of B&WC	Confirmed. No action is required
29/B&WC/2022/2	Action Taken Report on the Previous Meeting of the B&WC.	Appropriate actions were taken
29/B&WC/2022/3	Approval of New work proposal Item no: 3(i)- Internal painting for Institute & Quarters	The Committee informed to Prioritize and place in the next BWC. Hence, as an initial

	<p>3(ii) – Re-carpeting of internal road including patch work for pot holes</p> <p>3(iii)- Demolishing of old quarters</p> <p>3(iv)- Construction of 2 MLD Sewage Treatment plant</p> <p>3(v)- Revised Administrative Approval for Annex building of Production, Mechanical & MME department</p> <p>3(vi)- Revised Administrative Approval for Annex building of EEE, ICE & Civil engineering department</p>	<p>phase, the quarters painting is proposed in this BWC.</p> <p>The Committee informed to Prioritize and place in the next BWC. Hence, hostel recarpeting is proposed in this BWC.</p> <p>A committee constituted with BWC external member, CPWD representative, industrial member from BHEL, NITT members and the committee report is attached.</p> <p>The BWC informed to explore the possibility of the fund from HEFA/IRG. NITT will place in next BWC with detail of fund.</p> <p>The Revised AA given to CPWD. The tender is floated and technical evaluation is under progress by CPWD</p> <p>The Revised AA given to CPWD. The tender document is under final stage by CPWD.</p>
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29/B&WC/2022/4	Ratification and approval of the Works executed & undertaken by the Estate Maintenance Department from 01/04/2022 to 10/06/2022.	Ratified and noted
	Progress report of various construction works entrusted to CPWD	The progress of work carried out by CPWD was inspected by Monitoring committee fortnightly periodic report was submitted.

RESOLUTION 30/B&WC/2022/2 RESOLVED THAT the action taken on the decisions of the 29th Meeting of Building & Works Committee be noted.

ITEM NO 3. APPROVAL FOR NEW WORKS.

i	Internal Painting of Ground & first floor, Student desk and Stainless grill work in the Lecture Hall Complex Building	Rs.3.61 Cr
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The Administrative Approval for the Construction of Vertical expansion of Lecture hall complex was entrusted to CPWD for an amount of Rs.17.54 Crore. The Civil and Electrical work is under progress. The Civil and Electrical work is scheduled to be completed by the end of Nov-2022. During the construction in the second floor, the ground & first floor of the LHC painting got peeled off & fungus formation occurred due to continuous seepage while curing & water stagnation in the second floor. Hence, the ground & first floor painting is very much essential to make the classroom into habitable condition. The internal painting for the ground and first floor need to be completed before the inauguration of the building. The student desk is very much essential for the regular operation of the classroom and

the desk required for the class room is proposed to supply through CPWD. Also, it is noted that the Stainless steel grill work to be carried out before the student occupation due to the students safety. In addition to that, the LED panel for smart classroom, cycle parking around the LHC & gardening inside the LHC are to be carried out by CPWD.

Sl. No	Name of work	CPWD work awarded/estimate cost	Remarks
1	C/o of vertical expansion of Lecture Hall Complex(LHC)-Civil & Electrical works	Rs.9.60 Crore	Work is under Progress
2	Internal Painting for ground & first floor	Rs.0.57 Crore	Work is proposed for Administrative Approval
3	Student desk for the Second floor	Rs. 0.86 Crore	
4	Stainless Steel Grill work in second floor corridor of Lecture hall complex	Rs. 0.38 Crore	
5	LED touch panel for smart classroom for 14 classrooms & 1 seminar hall	Rs.0.80 Crore	
6	Cycle parking for students	Rs.0.60 Crore	
7	Gardening & Landscape	Rs.0.40 Crore	
	Total amount (Rs)	Rs.13.21 Crore	Proposal under HEFA

The fund required for the completion of the above-mentioned works are from HEFA fund already approved for the LHC. Even after adding the above works the total amount will not exceed Administrative Approval accorded of Rs.17.54 Cr.

The Building works Committee reviewed the proposal and recommended to FC & BoG.

ii	Construction of UG sump, Overhead tank & cycle parking shed for 506 seated Amethyst Boys Hostel	Rs.7.08 Cr
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The Administrative Approval for the Construction of 506 seated Boys hostel was accorded for a value of Rs. 41.2 Crore. The Civil and Electrical work is under progress and it is proposed to inaugurate the building in the month of Aug-2023. It building is constructed for G+3 floors and hence the building water tank is higher than the existing Over Head tank. Hence it is proposed to construct an overhead tank so that the water required for the new hostel will flow through gravity. In addition to that, it is proposed to construct an Underground water sump so that the water can be stored during summer season. Also, the work like fencing, cycle parking and furniture (Cots, Tables & Chairs) to be taken up during the course of completion activities. The estimate for the above-mentioned works are given below.

Sl. No	Name of work	CPWD work awarded/estimate cost	Remarks
1	C/o of 506 seated Boys hostel (Civil & Electrical composite work)	Rs. 27 Crore	Work is under Progress
2	Construction of Underground sump of 5 litre capacity for Hostel zone.	Rs. 2.29 Crore	Work is proposed for Administrative Approval
3	Over Head Tank construction for Amethyst Boys Hostel for 3 lakh litre capacity	Rs. 2.84 crore	
4	Cycle parking and fencing work around hostel	Rs. 0.85 Crore	
5	Furniture for all rooms(Cot, Table, Chair, etc.,)	Rs.1.10 Crore	
	Total Amount(Rs.)	Rs 34.08 Crores	

The fund required for the completion of the above-mentioned works are from EWS fund already approved for the Construction of 506 seated Boys hostel. Even after adding the above works the total amount will not exceed Administrative Approval accorded of Rs.41.2 Cr.

The Building works Committee reviewed the proposal and recommended to FC & BoG.

iii	Construction of Hostel under PM-AJAY scheme	Rs.28 crore
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The Ministry of Social justice and empowerment is funding for the Construction of hostel to Top 100 NIRF ranking institute in India under Pradhan Mantri Anusuchit Jaati Abhyuday Yojna (PM-AJAY). Hence, it is proposed to construct 300 seated hostels under this scheme. The hostel can be accommodated with 70% of SC/ST students and remaining 30% can be filled with others. As per the guidelines of the scheme, the Higher Educational Institutions which are top 100 ranked as per the National Institutional Ranking Framework (NIRF) of the Government of India and fully or partially funded by the Centre/State/UT Government shall be eligible for funding. The NITT is proposing for the construction of 300 seated boys hostel under this scheme. The estimate for the project is Rs.28 crores and the funding for the project will be given by Ministry of Social Justice and empowerment

The Building works Committee reviewed the proposal and recommended to FC & BoG.

iv	Painting for Quarters	Rs.1.5 crore
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The staff quarters 373 nos were constructed in the year 1964. The Research scholars quarters-54 nos & QIP quarters-30 nos were constructed in 2002 & 2007 respectively. Again 156 nos of quarters were constructed in 2008. The total number

of quarters at present is 613 nos and only 580 nos of quarters are in livable condition. Due to continuous rain and unexpected monsoon season, water seepage occurred in many locations causing fungus formation and it leads to health issues. At many places, the painting got peeled off. Hence, it is proposed to scarp the existing Internal & external coating before applying anti-fungal (wherever required) paint and then the primer along with 2 coats of painting is proposed.

As per CPWD manual, the internal painting for the quarters have to be done once in 2 years and the external painting has to be done once in 3 years. The Estate Maintenance department is attending only the internal painting during the occupation of the quarters and the external painting was not done during the past 5 years. The internal painting was carried out as per the following data:

Sl. No	Year	No. of quarters painted
1	2017	24 nos
2	2019	29 nos
3	2020	33 nos
4	2021	18 nos
5	2022	40 nos

The internal painting was done only in 144 quarters out of 580 quarters for the last 5 years inside the campus. During the 29th BWC, the committee suggested to initiate the painting proposal in a phased manner. As an initial phase, it is proposed to paint the quarters for amount of Rs.1.5 crore. The fund is requested under the spill over fund from the Ministry.

The Building works Committee reviewed the proposal and recommended to FC & BoG.

v	Re-carpeting of damaged road in Hostel	Rs.2 crores
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The boys hostel construction in the hostel zone is under progress. During the construction, frequently the heavy vehicles are moving in the hostel zone for shifting of the materials & fully loaded Ready mix concrete vehicle. The existing bitumen road was laid more than 10 years back. Due to heavy vehicle load, the road got damaged in many locations and it is unsafe for the student's movement during the peak hour to class. The photos of the damaged road are enclosed for reference. Hence, it is proposed for re-carpeting of the road for an amount of Rs. 2 Crores. The fund for the said work will be utilized from the Hostel fund.

The Building works Committee informed to review the proposal by involving the faculty expert from Civil department (Transportation faculty) in the Institute and it can be placed in the next BWC along with their recommendation.

vi	Additional approval- for supply, installation, testing, and commissioning of "New substation near OJAS at NIT campus."	Rs. 0.52 crores
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The OJAS building is equipped with high precision lab facility which requires uninterrupted power supply. With the existing power supply, frequent voltage drop is occurring. At the time of convocation, NITT is spending around Rs. 2.50 lakhs (For Hiring of DG Sets) every year due to the absence of the substation. To avoid this expenditure and for improving the power quality to OJAS Building, it is proposed to install a 1x1000kVA transformer near golden jubilee hall instead providing a 1x500kVA transformer near OJAS. In the 15th BWC(18.11.2015) & 19th BWC(21.06.2018), the amount of 1.20 Crores (0.80 Cr +0.40 Cr) was sanctioned for the New substation near OJAS at the NIT campus (for improving power demand to Physics and Chemistry departments). The total estimated cost of Rs. 1.72 Crores. Hence an amount of 0.52 Crores is needed as additional fund to complete the above project under the spill over fund in capital work.

The Building works Committee reviewed the proposal and recommended to FC & BoG.

vii	Demolishing of old quarters	Nil
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The old quarters were constructed in 1964 which is more than 50 years back and some of the quarters are not in livable condition. The photos of the quarters are enclosed (Annexure-G). There are huge cracks due to settlement, tree uprooting, seepage etc.,. Such a quarters are occupied in a prime location of the quarters zone. By demolishing the old quarters which are not in livable condition, we are able to construct new quarters. The existing faculty and staff strength has increased by 50%, it is essential to meet the requirement for construction of quarters by demolishing the old quarters. The following 31 quarters are proposed for demolition.

DEMOLISHED CONDITION QUARTERS (31 Nos)

SL.NO	STREET NO	QUARTERS NO	AREA(Sq.m)	No of quarters	YEAR of CONSTRUCTION
1	10	9,10,11,12	95.91	4	1964
2	11	5,6,9,10	84.36	4	1964
3	12	9,10	84.36	2	1964
4	13	5	95.16	1	1964
5	18	2,3,6,12,13 & 19	31.87	6	1964
6	19	1,2,12,13,14 & 15	31.87	6	1964
7	DQ	1 to 8	42.26	8	1964
Total Nos				31	

The Building works Committee reviewed the proposal and recommended to FC & BoG.

RESOLUTION 30/B&WC/2022/3 **RESOLVED THAT Proposal for item no: 3 (i) to (iv) & (vi) to (vii) recommended to FC & BoG. The item 3 (v) can be reviewed by expert and it can be placed in next BWC**

ITEM NO. 4 REPORTING ITEMS

i) REPORTING OF THE WORKS EXECUTED BY THE ESTATE MAINTENANCE DEPARTMENT FROM 11.06.2022 to 31.10.2022.

The list of works (Completed & Paid, Completed, In Progress and Approved) executed by EMD were noted, as given in Annexure-F of the Agenda.

ii) PROGRESS REPORT OF VARIOUS CONSTRUCTION WORKS ENTRUSTED TO CPWD

a) Construction of Girls Hostel (G+2) 125 Double Seated Rooms - OPAL F Block:

NITT have officially taken over the building along with the snag points which was given to CPWD. The snag points are being attended by CPWD

b) Vertical expansion of Girls hostel (Opal 'F' block – two floors)

NITT have officially taken over the building along with the snag points which was given to CPWD. The snag points are being attended by CPWD.

c) Vertical expansion of Lecture hall complex:

The Administrative approval for Vertical expansion of Lecture hall complex was entrusted to CPWD on Nov-2019. The actual work commenced on Jun-2020 with a scheduled completion of Jun-2021. The

casting of floor slabs is completed in all the floors. The finishing activities like false ceiling, painting, electrical works are also under progress parallelly. A committee may be formed to meet the revised schedule and the committee will meet every week for review with CPWD to speed up the process to handover to NITT by end of Nov 2022

d) 506 seated Amethyst boys' hostel:

The Administrative approval for 506 seated AMETHYST boys' hostel was entrusted to CPWD on Jan-2021. The actual work commenced on Feb-2022 with a scheduled completion of Sep-2023. The floor slab is completed in 3 floors and completion activities are in progress. The CPWD has committed to complete the entire work by the end of July-2023. A committee may be formed to meet the revised schedule and the committee will meet every month for review with CPWD to expedite the process.

Fortnight review meetings are held and CPWD has been informed to speed up the ongoing works.

- RESOLUTION** (i) **RESOLVED THAT** the (i) works executed by the Estate Maintenance Department from 11.06.2022 to 31.10.2022
- 30/B&WC/2022/4 (ii) **Progress of various construction works entrusted to CPWD be noted. CPWD should speed up the construction of the Lecture Hall Complex.**

The Meeting ended with vote of thanks by the Chair.



Member Secretary



Chairperson

