



**MINUTES OF 28<sup>th</sup> MEETING OF THE BUILDING & WORKS COMMITTEE HELD ON 26<sup>th</sup> APRIL 2022 AT 02.00 PM THROUGH WEBEX(ONLINE), NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI.**

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**PRESENT:**

1. Dr. G.Aghila - Chairperson  
Director,  
NIT, Tiruchirappalli – 620 015
2. Shri Soni -Member  
Dept of Higher Education,  
MoE, Govt.of India
3. Dr. M. Duraiselvam - Member  
Dean (Planning & Development)  
NIT, Tiruchirappalli – 620 015
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. M. Arivazhagan - Member Secretary  
Registrar i/c  
NIT, Tiruchirappalli – 620 015
7. Dr. M. P. Selvan - Special Invitee  
Associate Dean (Planning and Development)  
NIT, Tiruchirappalli-620015

8. Dr. R. Manjula - Special Invitee  
Associate Dean (Planning and Development)  
NIT, Tiruchirappalli-620015
9. Er. R. Narayanan - Special Invitee  
Executive Engineer,  
NIT, Tiruchirappalli – 620 015
10. Er. K. Raviteja - Special Invitee  
Executive Engineer (Civil) (for item no:4 ii)  
Trichy Central Division, CPWD,  
Trichy – 620 015

The Chairperson welcomed the Members and Special Invitees to the 28<sup>th</sup> 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 SEVENTH MEETING OF THE BUILDING & WORKS COMMITTEE HELD ON 19.07.2021.**

The Minutes of the 27<sup>th</sup> Meeting of the Building & Works Committee (B&WC), NIT Tiruchirappalli held on 19<sup>th</sup> July 2021 were confirmed as circulated.

**RESOLUTION      RESOLVED THAT the Minutes of the  
28/B&WC/2022/1    27<sup>th</sup> Meeting of Building & Works  
Committee be Confirmed.**

**ITEM NO. 2. ACTION TAKEN REPORT ON THE MINUTES OF THE 27<sup>th</sup>B&WC MEETING HELD ON 19.07.2021.**

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

<b>Resolution No.</b>	<b>Gist of the Decisions of the 27<sup>th</sup> Meeting of the B &amp; WC</b>	<b>Action Points / Action Taken</b>
<b>27/B&amp;WC/2020/1</b>	Confirmation of the Minutes of the 26 <sup>th</sup> Meeting of B&WC	Confirmed. No action is required
<b>27/B&amp;WC/2020/2</b>	Action Taken Report on the Previous Meeting of the B&WC.	Appropriate actions were taken
<b>27/B&amp;WC/2020/3</b>	Approval of MoU to be signed between NIT Trichy and CPWD under EPC mode	The MoU was signed by both CPWD and NITT for Six annex buildings and 506 capacity boys' hostel

27/B&WC/2020/4	Proposal for Ratification of Additional Expenditure in the works by CPWD	The proposal was recommended to BoG and Board suggested to submit the proposal with more details in the next BoG. The same was communicated to CPWD and the CPWD submitted the reply related to electrical work. The reply related to civil work is yet to be received. It will be placed in the forthcoming BWC
27/B&WC/2020/5	Reconciliation of Civil and Electrical Works by CPWD from 2006-2016	The excess amount lies with CPWD (Electrical) for Solar fund has been transferred to NIT. With related to Civil expenditure, excess fund lying with NIT is under scrutiny. It will be placed in the forthcoming BWC
27/B&WC/2020/6	Ratification and approval of the Works executed & undertaken by the Estate Department from 01/09/2020 to 15/07/2021.	Ratified and appropriate actions were taken
	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**      **RESOLVED THAT the action taken on the**  
**28/B&WC/2022/2**      **decisions of the 27<sup>th</sup> Meeting of Building & Works**  
**Committee be noted.**

**ITEM NO 3. APPROVAL FOR NEW WORKS.**

i	Recarpeting of Internal road including patch work for pot holes and part Extension of Road in NIT campus.	Rs.8.09 Cr
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The internal road inside the campus was laid more than 10 years back. Due to recent rain, heavy loaded vehicle movement and age of the road, it got damaged in many places. At few locations, the students and staffs were fell down during raining. Even after attending the pot holes with bitumen, the wrapping of the road makes the aggregates to loosen in few locations. Hence, it is proposed for bitumastic recarpeting for the internal road inside the campus. In this regard, NITT has obtained a cost estimate from CPWD and the same is submitted before the committee. The Building works Committee reviewed the cost estimate submitted by CPWD for an amount of Rs.8.09 Crore and recommended the proposal to F.C.

ii	Internal & External Painting to institutional and Quarters Building in NIT Campus.	Rs.35.09 Cr
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The painting work was done for Quarters and Institute building before 10 years and the painting has peeled off and fungus has been formed in many locations of Institute & Quarters Buildings. Due to continuous rain during monsoon, water seepage in many locations caused fungus formation leading to health issues. In order to bring the quarters for better livable condition, it is necessary to do the internal & external painting for all the buildings. Hence, it is proposed to scarp the Internal & external before applying anti-fungal (wherever required) paint and then the primer along with 2 coats of painting is proposed. In this regard, NITT has obtained a cost estimate from CPWD and the same is submitted before the committee. The committee advised to get the warranty for 10 years from the paint manufacturer (OEM) by involving them during the work execution. The Building works Committee reviewed the cost estimate submitted by CPWD for an amount of Rs.35.09 Crore and recommended the proposal to F.C.

iii	Development of playground near to AMBER Hostel in NIT Campus.	Rs12.65 Cr
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The sports ground in the Institute zone is far away from the boys hostel and increase in student strength, demands additional sports facility inside the campus. Physical activities like sports can reduce the student's stress and augment both physical cum mental health condition of students. Hence, it is proposed to develop the sports facility in the open ground near to AMBER Hostel. The fund available in the hostel may be used for this facility. In this regard, NITT has obtained a cost estimate from CPWD and the same is submitted before the committee. The Building works Committee reviewed the cost estimate submitted by CPWD for an amount of Rs.12.65 Crore and recommended the proposal to F.C.

iv	Construction of 2MLD Sewage Treatment plant for NIT campus	Rs.12.65 Cr
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There are two sewage treatment plants at capacity 800 KLD and 300 KLD running inside the campus at hostel zone and quarters zone, respectively. Both the STP were constructed more than 7 years back when the student and faculty strength were approximately 4000. Due to increase in the student strength of approximately 8000, the existing STP capacity is not sufficient to meet the demand. Hence, it is proposed to establish one centralized STP of 2MLD capacity with advanced technology. In this regard, NITT has obtained a cost estimate from CPWD and the same

is submitted before the committee. The committee suggested to make use of the treated water for toilet flushing. The Building works Committee reviewed the cost estimate submitted by CPWD for an amount of Rs.12.65 Crore and recommended the proposal to F.C.

v	RESCO model Solar plant of 2 MW capacity	Nil
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As electrical charges are increasing day-by-day and to harvest the green energy, it is necessary for other alternative solutions like solar power, power generated from municipal solid waste etc. The capital cost for a Solar plant is very high, so there is new model called RESCO Solar model. Unlike a solar EPC or capex proposition, wherein the consumer owns the system and invests upfront, the RESCO model is a zero-investment model in which the NITT can pay only for the electricity generated, while the solar plant is owned by the RESCO developer. NITT can enjoy the electricity that is generated with subsidized electricity rate without worrying about any of the associated operations and maintenance issues. NITT can pay only a pre-decided monthly tariff which is lower than prevailing grid electricity tariff. To generate 1 MW electricity, Solar power requires 4 to 5 Acres of land area. The committee informed that the grid connection of the power generated and reverse metering facility is not been provided by TNEB at present. The generated electricity units are being purchased by TNEB with subsidized rate and when we are using the power of TNEB, it will be charged without subsidy.

Hence, the committee recommended to form a committee with the following members to submit a feasibility report.

- Dean(P&D) -Chairperson
- Registrar - Member
- EEE faculty - Member
- Executive Engineer - Convener
- Junior Engineer(EMD) - Member
- BHEL representative - External member

The committee can study the pros and cons of the work and detailed report can be submitted for further proposal.

**RESOLUTION 28/B&WC/2022/3**      **RESOLVED THAT Proposal for the new works from (i) to (iv) be recommended to Finance Committee. For item in S.No. v, RESCO model for solar power, the BWC recommended to form a committee to ascertain the feasibility and submit a report in next BWC.**

#### **ITEM NO. 4 REPORTING ITEMS**

**i) REPORTING OF THE WORKS EXECUTED BY THE ESTATE**

**MAINTENANCE DEPARTMENT FROM 16.07.2021 TO 31.03.2022.**

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:**

The Administrative approval for Construction of Girls Hostel (G+2) 125 Double Seated Rooms (Opal-F) was entrusted on Jan-2018. At present, the building is under handing over stage. NITT along with CPWD official together checking the minor snag points in the building and on completion of the snag points, the entire building can be taken over by NITT. The CPWD agreed to hand over the entire building by the end of May-22.

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

The Administrative approval for Vertical expansion for additional two more floors was entrusted to CPWD on Oct-2019. The actual work was commenced on Mar-2020 with a due for work completion on Nov-2020. The vertical expansion of the two floors are taken over by NITT along with the snag points and it is informed to complete all the snag points in the building by the end of May-2022. The CPWD agreed to hand over the entire building by the end of May 2022.

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 under progress and except one slab, rest other is completed. The finishing activities like flooring, painting, electrical works are also under progress parallelly. The EE, CPWD has promised to complete the entire work by the mid of July-2022. The block of slab concrete casted is 8/10. Roof treatment is completed in 6/10 block. The floor tiles are completed in 8/16 rooms. The brick work is completed in 13/16 rooms. The internal plastering is completed in 12/16 rooms. 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 mid of July 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 foundation work of the hostel building is under progress. The EE, CPWD has promised to complete the entire work by the end of Sep-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**  
**28/B&WC/2022/4**

(i) **RESOLVED THAT the (i) works executed by the Estate Maintenance Department from 16.07.2021 TO 31.03.2022**

(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**