

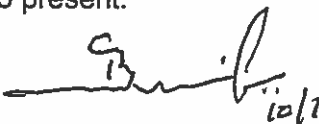
**MINUTES OF THE 23<sup>RD</sup> MEETING OF THE BUILDING AND WORKS COMMITTEE OF NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL HELD ON 24.12.2013 AT 11.00 AM IN THE GOLKONDA (HOTEL), MASAB TANK, HYDERABAD**

**MEMBERS PRESENT**

1. Prof. T.Srinivasa Rao Chairman  
Director,  
N.I.T.,Warangal – 506 021.
2. Dr. Janakiram Nanduri Member  
Industrialist  
76, Surya Enclave,Thirmulgherry  
Hyderabad
3. Prof. S. Srinivasa Rao Member  
I/c Dean (P&D),  
N.I.T., Warangal – 4.
4. Sri Rajesh Singh Member  
Director (NITs)  
Department of Higher Education  
MHRD, Gol,  
New Delhi
5. Sri T.M. Gamit Member  
Superintending Engineer (Civil)  
Vijayawada Central Circle  
Central Public Works Dept.,  
Vijayawada.
6. Sri Navin Soi, Special Invitee  
Director (F)  
Integrated Finance Division,(IFD),  
Dept. of Higher Edn.,MHRD., Gol,  
New Delhi
7. Smt. D. Asha Rani, Special Invitee.  
Dy. Chief Engineer,  
O/o Engineer-in-Chief (R&B),  
Errummanzil,  
Hyderabad – 500 082.
8. Prof. ARC Reddy, Member-Secretary  
Registrar I/c  
N.I.T., Warangal

Dr. M. Heera Lal, Associate Professor in the Department of Civil Engineering and Faculty-in-Charge, Project Engineering Unit was also present.

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(ii) Whenever works are taken over by NITW, a Quality inspection has to be carried out by the Joint Inspection Committee and a Summary of Observations has to be recorded. If bad quality is observed, the work should not be taken over.

(iii) In case the work is delayed and not completed as per target, a revised target has to be kept and recorded, while mentioning reasons for delay and the party accountable for delay.

While presenting the progress of the works taken up by the CPWD in the Campus it was noted that **the lift work in some of the buildings viz. VLSI, Civil, Physics, West Block** is incomplete and the Committee was informed that the said work **will be completed by 31.01.2014.**

There was a discussion on the slow progress of the work in some of the buildings like Mechanical Engineering Building, New Academic Building and First Floor over Computer Centre and re-carpeting of internal Roads. It was informed to the Committee that all the above said works **shall be handed over by CPWD by 30.04.2014.**

There was a comment on the poor quality of Road work laid at certain locations by some of the Members and the Committee suggested to maintain the quality control and re-lay the Roads wherever poor quality of the Road was laid.

There was a discussion on handing over of the works by CPWD to NIT, Warangal. The Committee resolved to constitute a Joint Inspection Committee to submit a report of all the completed works including the list of inventory and quality control before handing over it to NITW.

Further, the Committee resolved that the said Committee has to periodically inspect the on-going works taken up by CPWD and submit a report to the Director periodically on weekly basis. Director, NITW would conduct a monthly meeting to review the progress and quality aspects and the monthly Progress Report will be sent to members of BWC.

Further, it was also resolved to include vetting of structural designs and periodical third party quality control inspection in the Agreements for all the future works. The Committee suggested NITW to take a copy of every Agreement of all the completed works in the campus, to which CPWD has agreed.

Further, the Committee authorized the Director, NIT, Warangal to constitute the above said Joint Inspection Committee to meet the purpose.

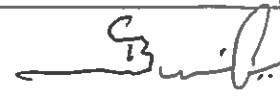
It was felt by the Members that the Joint Inspection Committee Members of the NITW, should obtain construction plans drawn Milestone-wise by CPWD for each work entrusted to them and monitor the progress based on these construction plans.

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	<p><i>The Joint Inspection Committee should also implement QMS (Quality Management Systems) and deploy proper Checklist at each stage of the construction processes so as to ensure proper quality of construction, which at present does not seem to be up to expectations.</i></p> <p><i>It was also informed to the Committee that the Ladies Toilets shall be handed over by 31.01.2014 by CPWD.</i></p> <p><i>Further, there was a discussion on Item No.22.15 regarding the enhancement of Financial Power to the Director of the Institute for awarding works on nomination basis from Rs. 2.00 lakhs to Rs. 5.00 lakhs. However, the Committee resolved to restrict the Financial Powers of the Director of the Institute to Rs. 2.00 lakhs only. It was suggested to call for rates of general items by calling tenders. Then the estimates be prepared with these approved rates and award the works to the Registered Contractors.</i></p>
<p><b>B.W.C. Item No.23.3</b></p>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>Review of the ongoing construction works in the campus through Central Public Works Department (CPWD).</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>Construction of 2<sup>nd</sup> floor over Mechanical Engineering Department (PG Block) building facing west for NIT at Warangal (Civil and Electrical works) M/s Amaleswari Constructions Agmt. No.08/EE/NSGPD/2011-12.</p> <p><i>Part-A slab completed, Brick work under progress. Shuttering work under progress for Part-B. The Committee was informed that the building will be handed over by 30.04.2014.</i></p> <p>Construction of 2<sup>nd</sup> floor over NAB and balance portion of first floor over Computer Centre Building for NIT at Warangal (Civil and Electrical works) M/s TSR Constructions Agmt. No.01/EE/NSGPD/2012-13.</p> <p><i>Finishing work like internal and external painting is in progress. Flooring work completed. Lift pit foundation completed. The Committee was informed that the building will be handed over by 30.04.2014.</i></p> <p>Renovation and re-carpeting of internal roads (Phase-I) for NIT Warangal M/s TSR Constructions Agmt. No.02/EE/NSGPD/2012-13</p> <p><i>70% of main campus road has been completed.</i></p> <p><b>In all the above works the Committee suggested to expedite the work duly maintaining good quality control.</b></p>
<p><b>B.W.C. Item No.23.4</b></p>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed report for proposal of construction of New Buildings for Department of Metallurgical &amp; Materials Engineering and Department of Chemical Engineering at National Institute of Technology, Warangal.</p>

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<p><b>No.23.4</b></p>	<p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the detailed report for proposal of construction of New Buildings for Department of Metallurgical &amp; Materials Engineering and Department of Chemical Engineering at National Institute of Technology, Warangal.</p> <p>The Committee insisted that a detailed Construction Programme &amp; Quality Assurance Programme have to be obtained from the Contractor appointed and after approval of the same, should be used for weekly monitoring &amp; review.</p> <p>A QMS (Quality Management System) also needs to be used for ensuring quality of construction at various stages of each construction process.</p>
<p><b>B.W.C. Item No.23.5</b></p>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed estimate for Renovation of Center for Continuing Education Building (Formerly Punnami Tourist Guest House).</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the detailed estimate for the Renovation of Center for Continuing Education Building (Formerly Punnami Tourist Guest House) for an estimate amount of Rs. 1,91,30,000/-</p>
<p><b>B.W.C. Item No.23.6</b></p>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the proposals for providing Solar Power Plants over existing buildings in phased manner.</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee has considered and approved the proposal. However, the Committee after detailed discussion felt that the proposed estimate is high and suggested to check the Estimate with the existing system elsewhere to arrive at the actual cost including subsidy for establishment of Captive Solar Power Plant at NIT, Warangal Campus in a phased manner on the roof tops of the existing buildings. Pending detailed estimates the Committee recommended to go for 100 KW capacity power plant with battery backup on the Electrical Engineering building. The possibility of getting the work done through BHEL ancillary unit may also be explored. The Committee also suggested to enter into long term Annual Maintenance Contract (AMC) for a period of minimum 10 years with the same firm which erects the work.</p>
<p><b>B.W.C. Item No.23.7</b></p>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed estimates for providing cubical type Panel &amp; Distribution boards with suitable accessories in Academic buildings of various departments.</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the detailed estimates for providing cubical type Panel &amp; Distribution boards with suitable accessories in Academic buildings of various departments for an estimate amount of Rs. 99,50,000/-.</p>

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<p><b>B.W.C. Item No.23.8</b></p>	<p align="center"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed estimates for providing under ground cables along with distribution boxes &amp; panel controls for main lines and street lights of C and D type quarters of south campus, (From Staff Quarter A10 to D1&amp; D2 blocks)</p> <p align="center"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the detailed estimates for providing under ground cables along with distribution boxes &amp; panel controls for main lines and street lights of C and D type quarters of south campus, (From Staff Quarter A10 to D1&amp; D2 blocks) for an estimate amount of Rs. 59,00,000/-</p>
<p><b>B.W.C. Item No.23.9</b></p>	<p align="center"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed estimates for providing under ground Cables along with distribution boxes &amp; panel controls for street lights from main sub station to Hostel blocks 1 to 13.</p> <p align="center"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the detailed estimates for providing under ground Cables along with distribution boxes &amp; panel controls for street lights from main sub station to Hostel blocks 1 to 13 for an estimate amount of Rs. 92,00,000/-.</p>
<p><b>B.W.C. Item No.23.10</b></p>	<p align="center"><b><u>Name of the Item</u></b></p> <p>To consider and approve the rising of compound wall over existing wall and reconstructions (wherever necessary) with Pathway.</p> <p align="center"><b><u>Resolution</u></b></p> <p>The Committee once again discussed the possibility of providing Solar Fencing instead of providing path way along the compound wall and raising the compound wall wherever required. Further, the Committee suggested to submit the proposal for providing automatic alarm system with centralized monitoring and also re-looking at the actual number of security personnel to be engaged to operate the Solar Fencing System.</p> <p>Quotations may be obtained from a few more Parties.</p>
<p><b>B.W.C. Item No.23.11</b></p>	<p align="center"><b><u>Name of the Item</u></b></p> <p>To consider and approve the detailed estimates of Renovation of Hostel Buildings (1, 2 and 5).</p> <p align="center"><b><u>Resolution</u></b></p> <p>The Committee suggested to submit the detailed estimates duly incorporating the plinth protection around the building, LAN connection and drainage in the next meeting.</p>
<p><b>B.W.C. Item No.23.12</b></p>	<p align="center"><b><u>Name of the Item</u></b></p> <p>To consider and approve the Plans and Estimate for Construction of Metallurgical and Materials Engineering Department (G+6).</p> <p align="center"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the Plans and Estimate for Construction of Metallurgical and Materials Engineering Department (G+6) for an amount of Rs. 65,41,60,000/- provided by CPWD.</p>

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	Further, the Committee suggested to place the final detailed estimates, after completion of tender processing, along with specifications for flooring, painting etc., for approval in the next meeting.
<b>B.W.C. Item No.23.13</b>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the Plans and Estimate for Construction of Chemical Engineering Department (G+6).</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the Plans and Estimate for Construction of Chemical Engineering Department (G+6) for an amount of Rs. 64,59,70,000/- provided by CPWD.</p> <p>Further, the Committee suggested to place the final detailed estimates, after completion of tender processing, along with specifications for flooring, painting etc., for approval in the next meeting.</p>
<b>B.W.C. Item No.23.14</b>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the Plans and Estimates for Construction of Second floor over Indoor Games Complex.</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee suggested to complete the stability check by 15.01.2014 and prepare the detailed Plans and Estimates for Construction of Second floor over the Indoor Games Complex and submit the same in the next meeting.</p>
<b>B.W.C. Item No.23.15</b>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the Plans for Construction of new ladies Hostel with a capacity of 800 students.</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the Plans for Construction of new ladies Hostel with a capacity of 800 students. Further, the Committee suggested to place the detailed estimates in the next meeting.</p> <p>The detailed construction programme with Milestones and Quality Assurance Plan also need to be submitted by CPWD.</p>
<b>B.W.C. Item No.23.16</b>	<p style="text-align: center;"><b><u>Name of the Item</u></b></p> <p>To consider and approve the Plans for Construction of Dr. B.R.Ambedkar Learning Centre.</p> <p style="text-align: center;"><b><u>Resolution</u></b></p> <p>The Committee considered and approved the Plans for Construction of (G+1) Dr. B.R. Ambedkar Learning Centre at NIT, Warangal. The Committee suggested to have provision for another three floors for future requirement in view of the paucity of the land available in the campus.</p> <p>Utility of the facility to be checked by NITW.</p>

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<p><b>B.W.C. Item No.23.17.1</b></p>	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Any other item with the permission of the Chair.</p> <p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve to enhance the Powers of the Director to accord (i) Administrative Sanction to the estimates up to Rs. 1.00 crore and (ii) to accept the tenders up to Rs. 1.00 crore in excess of 5% of estimated value based on recommendations of the Project Engineer who look after the Technical Sanction of estimates.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>After thorough discussion the Committee considered and approved to delegate the Powers to the Director to accord (i) Administrative Sanction to the estimates up to Rs. 1.00 crore and (ii) to accept the tenders up to Rs. 1.00 crore in excess of 5% of estimated value based on recommendations of the Project Engineer who looks after the Technical Sanction of estimates.</p>
<p><b>B.W.C. Item No.23.17.2</b></p>	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Construction of Swimming Pool in the Campus.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee suggested to revise the scope of the earlier estimates duly revising the Plans and Estimates submitted by the CPWD and place in the next meeting for consideration.</p>
<p><b>B.W.C. Item No.23.17.3</b></p>	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Construction of Facilities Complex in the Campus.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee suggested to revise the scope of the earlier estimates duly preparing the fresh Plans and Estimates submitted by the CPWD and place in the next meeting for consideration.</p>
<p><b>B.W.C. Item No.23.17.4</b></p>	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Preparation of Master Plan of the Campus (NITW)</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee suggested to prepare a Master Plan of the Campus keeping in view of the load estimation of infrastructural facilities such as Space, Electricity, Water, Sewage System etc before planning for any new work.</p>

General: The Committee wanted a plan to be developed to improve the faculty rooms in 6-8 months' time and presented in the next BWC Meeting.

*ARC Reddy 10/11/14*

*T. Srinivasa Rao 10/11/14*

<p>(PROF. A. RAMACHANDRA REDDY) REGISTRAR I/c &amp; MEMBER SECRETARY BUILDING &amp; WORKS COMMITTEE NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL - 506 004</p>	<p>(PROF. T. SRINIVASA RAO) DIRECTOR &amp; CHAIRMAN BUILDING &amp; WORKS COMMITTEE NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL - 506 004</p>
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