



**MINUTES OF THE 27<sup>TH</sup> MEETING OF THE BUILDING AND WORKS COMMITTEE  
OF NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL HELD ON 27.11.2015  
AT 11.00 AM IN THE GOLKONDA HOTEL, MASAB TANK, HYDERABAD**

**MEMBERS PRESENT**

1.	Prof. T.Srinivasa Rao Director, N.I.T., Warangal - 506 021.	Chairman
2.	Dr. Janakiram Nanduri Industrialist 76, Surya Enclave, Thirmulagiri Hyderabad.	Member
3.	Prof. RLN Sai Prasad Dean (P&D), N.I.T., Warangal - 4.	Member
4.	Sri P. Baghat Singh Superintending Engineer (Civil) Central Public Works Dept., Hyderabad.	Member
5.	Sri M.V.Chalapathi Rao Superintending Engineer (Electrical) HCEC, Central Public Works Dept. Nirman Bhawan, Sultan Bazar Hyderabad.	Member
6.	Sri Satpal Sharma Under Secretary Integrated Finance Division, (IFD), Dept. of Higher Education, MHRD., Gol, New Delhi.	Special Invitee
7.	Smt D. Asha Rani, Superintending Engineer, Roads & Buildings, Rural Circle, Balkampet, HYDERABAD 500 016	Special Invitee
8.	Sri C.Laxman Superintending Engineer, Electrical Circle, Erramanzil Hyderabad 500082	Member
9.	Prof. M. Chandrasekhar, Registrar I/c N.I.T., Warangal.	Member-Secretary

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Dr. P. Rathish Kumar, Associate Dean (P & D) and Dr. M. Heera Lal, Associate Professor in the Department of Civil Engineering and Faculty-in-Charge, Project Engineering Unit are also present.

At the outset the Chairman welcomed the Members and expressed thanks for making it convenient to attend the meeting as per the schedule.

Later, the following items are discussed and accordingly the resolutions are passed.

B.W.C. Item No.27.1	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To confirm the Minutes of the 26<sup>th</sup> Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 24.04.2015 at Golkonda Hotel, Masab Tank, Hyderabad.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee resolved to confirm the Minutes of the 26<sup>th</sup> Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 24.04.2015 at Golkonda Hotel, Masab Tank, Hyderabad.</p>
B.W.C. Item No.27.2	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider the action taken report on the decisions on the 26<sup>th</sup> Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 24.04.2015 at Golkonda Hotel, Masab Tank, Hyderabad.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee resolved to consider the action taken report on the decisions of 26<sup>th</sup> Meeting of the Building and Works Committee of National Institute of Technology, Warangal held on 24.04.2015 at Golkonda (Hotel), Masab Tank, Hyderabad.</p> <p>The Committee expressed satisfaction about the ATR presented in the form of Bar Chart and cash flow diagrams however, when the bar chart is prepared the expected and the actual schedule of the on-going works is to be expressed in more detail explaining reasons thereof and also how the delay will be compensated along with the schedule.</p> <p>As regards to Item No.24.3 – A discussion took place regarding the handing over and taking over of the lifts. The SE(Electrical), CPWD Informed that the AMC was not included in the original agreement. The members were also informed that a compensation of Rs. 10,84,000/- (10% of the tendered value maximum limit as per the agreement ) has been levied on M/s OTIS Elevator Co (India) Ltd for the delay in the work vide letter No. 23(453)2015-16 /HCEC / 352, Dt 22.05.2015 and recovered the same from the final bill. NITW authorities have taken over six lifts in December, 2014 and two lifts in February 2015. The AMC rates (after the defect liability period) has been obtained and intimated to NIT authorities by SE(E), HCEC, CPWD Hyderabad vide letter even No. 310, dated 29.04.2015. NIT authorities will issue maintenance contract for 6 Nos. lifts from January, 2016 &amp; 2 Nos. lifts from February, 2016. The members also felt the need for keeping a person in the campus for carrying out maintenance and</p>

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keeping spares.

With regard to the repairs of the roads the members were informed that subsequent to the BWC meeting, a meeting was arranged between CPWD, Dean (P&D) and Transportation Division of the Institute followed by the site inspection on 13<sup>th</sup> May, 2015. Based on the collective decision of the visiting team the repair work was undertaken and completed in the month of July, 2015. The compliance report was also submitted to the Director vide Letter 23(140)2015/EE/NITPD-1/775-79(H) dated 9.7.15.

The members expressed their satisfaction regarding this matter.

*As regards to Item No.24.4- The Dean P& D presented the pressing demand for the construction of new girls hostel in view of the increase in the admission of girl students in the campus about the construction of Girls' Hostel with 800 capacity at NIT, Warangal. The members were informed that the award of Administrative Approval (A/A) and Expenditure Sanction (E/S) for the work was already given to the CPWD and was kept in abeyance for want of funds. The members resolved that the construction of the new girls' hostel item has to be taken and completed on top priority basis.*

*As regards to Item No.24.5 – about the renovation of Hostel Blocks 1, 2 and 5, the Committee resolved to take up the work in a phased manner subject to the availability of funds.*

*As regards to Item No.24.6 – regarding the construction of Dr. B.R Ambedkar learning Center, the members were informed about the award of the work to the contractor. The members suggested that the tree cutting process may be taken immediately and the work may be expedited. Also, the members suggested to submit the bar chart and S-Curve in regard of this work also.*

*As regards to Item No.24.7 – the energy requirement of the campus the Members were informed that the energy requirements for the Chemical Engineering and Materials and Metallurgical Engineering departments is arrived as 500KW each. The members of the BWC suggested to come out with a comprehensive energy plan for the next 15 years to be presented in the next BWC.*

*As regards to Item No.24.8 - About the construction of new Civil Engineering Workshops, the Members were informed this item is being dropped in view of the proposal for the construction of New Civil Engineering Building to be taken up as priority item subject to the availability of funds.*

With regard to renovation of Mechanical Workshops, the Members were informed that the Institute will go for re-tendering in a phased manner as per the availability of funds from time to time.

*As regards to Item No.24.9 - About the renovation of Centre for Continuing Education building (formerly Punnam Guest House), the Members were informed that an MOU has been signed between NIT Warangal and NITW Alumni*

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	<p>Association. The Lease Agreement was signed on 05-09-2015 between the Director NITW and NITWAA. The renovation work of the building will now be under taken by the Alumni of NITW. The members suggested to complete the work of the compound wall for this building at the earliest.</p> <p><i>As regards to Item No.24.10</i> - The Members were informed that the Utilization Certificate of all the works except the Road work has been submitted. CPWD is regularly submitting Form 65 for ongoing works. The members were informed that the Utilisation Certificate for the Road work will be submitted by the CPWD in January 2016.</p>
	<p>Under any other item the following points were discussed:</p> <ul style="list-style-type: none"><li>• In regard of the Third Party Quality Control and Assurance of the new buildings, viz, Chemical and Materials and Metallurgical Engineering, the Members were informed that TPQA has been appointed and is regularly monitoring the ongoing work and submitting the weekly progress reports to the Director, NIT Warangal with a copy to CPWD authorities. Based on the reports submitted by the TPQA to NITW with a copy to the CPWD, the compliance reports are also being submitted by the CPWD as and when attended by them. However, the members insisted on preparing a check list of the Total Quality Management covering the checks at every level of construction activity before proceeding to the next level. The members also insisted on receiving copies of the TPQA report and the compliance report of CPWD.</li><li>• As regards to the Master Plan of the Campus, the Members were informed that the master plan will be submitted in the next BWC meeting.</li></ul>
	<ul style="list-style-type: none"><li>• As regards to Item 26.4 regarding the renovation and repairs to IT Theme center the members were informed that the deposits of Rs.1 Crore has been made on 05/11/2015. The detailed Estimate is under progress, tender is likely to be called by last week of December 2015. Detailed drawings will be sent by NIT, Trichy by the middle of December 2015.</li><li>• As regards to Item 26.5 regarding construction of Plaza and renovation and repairs to Conference and Seminar Halls including Toilets, stair case and lift, the members were informed that a Team of members from NIT Warangal have visited the National Police Academy on 5.5.2015. Deposits of Rs. 2 Crore has been made by NIT Warangal on 05/11/2015. Preliminary drawings were prepared by NIT, Trichy. Prof T.Srinivas from NIT, Trichy and CPWD had detailed discussions on 17.11.2015. The detailed working drawings will be sent by NIT, Trichy by the end of January 2016.</li><li>• As regards to Item 26.6-26.8, regarding the approval of plans for construction of bachelors and Married research scholars accommodation, multipurpose indoor stadium, construction of swimming pool the members were informed that these works will be undertaken subject to the release of funds.</li></ul>

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- As regard to item 26.9, regarding the construction of extension for CSE building the members were informed that this department will be housed in the new Materials and Metallurgical Engineering building in the 4, 5 and 6 floors. Hence, the matter is dropped at present.
- As regards to Item 26.10 the construction of new Civil Engineering building the members were appraised of the urgent requirement of taking up the construction of this building as there is no separate building for Civil Engineering and is scattered at various places in the campus. The members felt that this shall be taken as the next top priority item after the New Girls Hostel.
- As regards to Item 26.11, under any other item the members were informed that five architects with experience in working on educational institutions and master plan empanelled.

27.3

Name of the Item


Review of ongoing construction work in the Campus

The CPWD has presented the progress of work of the MME and Chemical Engineering Department buildings before the Committee as on 26-11-2015. There was a discussion regarding the procurement of the furniture for the department to be housed in these buildings. The members suggested that CPWD will plan for furniture requirements taking the inputs from the concerned departments preferably before February 2016. The members of the CPWD opined that an approximate expenditure of Rs. 7 Crores for each building may be required for the procurement of furniture. The members, however, suggested that the exact expenditure details for the furniture to be brought to the next BWC.

The NCCBM, which is the Third Party Quality Assurance and Control (TPQAC) for the said works, have presented their observations on the quality of construction of the above two buildings. The members opined that the TPQA shall give a quantitative presentation regarding the percentage of rejection of materials, items and quantity of work based on the tests conducted at the site and other laboratories. Also, the members suggested that a check list of the Quality Management System covering the checks at every level of construction activity before proceeding to the next level shall be prepared and given to the CPWD for compliance. All such reports submitted by TPQA and CPWD shall be submitted to the members of BWC along with NIT Warangal.

As regards to the progress in the work on Dr B.R. Ambedkar learning centre, the members were informed that there were changes in the planning and orientation of the building to suit the problems on the site like well in the vicinity, encroaching into the auditorium or main road, loss of parking facility. The members were informed that all these problems are solved and the final drawings are being made by the CPWD and NIT Warangal approved the drawings. It is understood from the CPWD that the designs and vetting of the structural work is completed. Tender was called and work has been awarded.

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	<p>The members felt the deforestation part may be expedited by CPWD and the construction work shall be taken up immediately.</p>
27.4	<p style="text-align: center;"><u>Name of the item</u></p> <p>To consider and approve the proposal for creating Facilities for ICT Academy in the existing first floor of Computer Science and Engg. Department (East Block).</p> <p>The members were appraised of the purpose of this academy of training the faculty and working engineers to boost the self employability. This includes training about 4,000 persons per year. The academy requires furnished and well equipped space for carrying out the activities, and an amount of Rs.1.5Cr has been earmarked by the DEITY, for the refurbishment of the existing premises and other infrastructure, in the proposal.</p> <p>The members were informed that a space is available in the First Floor of the C-Block above the Central Stores. However, the space is to be refurbished with the state-of-the art requirements. CPWD has been asked to submit a preliminary estimate for this purpose and they have submitted the proposal for Rs.1.508Cr for civil and electrical components.</p> <p style="text-align: center;"><u>Resolution</u></p> <p><i>The members resolved to approve the proposal in principle and suggested to put up in the FC and BOG for final approval.</i></p>
27.5	<p style="text-align: center;"><u>Name of the item</u></p> <p>To consider and approve the proposal for Construction of Teaching Learning Center building behind the IT Theme Center at NIT Warangal.</p> <p>The Members of BWC were appraised of the Teaching and Learning Center sanctioned to NIT Warangal by the MHRD, GOI with an overall outlay of Rs.9.63 Crores to train faculty in effective Teaching &amp; Learning, to develop internationally accepted curriculum for multidisciplinary areas and also to develop E-Learning material for the same. It was also brought to the notice of the members that a building component of Rs.3.25 Crores is available in the estimate sanctioned and that an area of 1400 sq.m space is required for this. CPWD has been requested to prepare a preliminary estimate for a S+G+6 due to space constraint as this building could become a multipurpose training facility in the future. The CPWD submitted a PE for Rs.8.97 Crores for the building with 700 sq.m Stilt +700 sq.m Ground +700 sq.m First Floor, with a provision for expansion up to Stilt+G+6. The members felt that instead of Stilt it is economical to go for B+G+Six floors instead of S+G+6 Floors as excavation is to be done for avoiding foundation on black cotton soil.</p> <p style="text-align: center;"><u>Resolution</u></p> <p><i>The members resolved to approve the proposal in principle for construction of the building with S+G+Six Floors and the cost difference in view of the increased expenditure of Rs 5.72 Cr(approx) to be put up in the</i></p>


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	<b>FC and BOG for final approval.</b>
27.6	<p>Under Any Other Item the following points were discussed</p> <ol style="list-style-type: none"><li>1) In regard of the Internal Roads around the New Chemical and Metallurgical Engineering buildings, the members were informed that the internal roads are not covered under the actual estimates and this should be taken as a separate estimate. The CPWD presented a rough cost estimate for Rs 2.11 Crores. Members suggested that a revised estimate to be presented for the next meeting.</li><li>2) The matter of additional service Tax of 5% Plus 0.5% Swatcha Bharath Tax was discussed. This is being levied as a statutory requirement for all the works taken up by CPWD, in addition to the already approved budget for all the works under CPWD. It is resolved to make provision for the same.</li><li>3) Members were appraised on the collapse of the main Compound wall in the front face of the institute which is in a dilapidated condition. Also as the major portion of the structure is either leaning or collapsed, it was resolved after thorough discussions to go for construction of a new compound wall by the E and MU department of NIT Warangal.</li><li>4) The Committee members desired that the minutes of the site coordination meetings being chaired by the Director every month should be forwarded to the BoG members, so that they get appraised of the happenings at the site.</li><li>5) The Committee suggested that advance can be given to CPWD in two stances - 10% after the LoA is given and balance 23 1/3% after the contractor is finalised for the work, instead of releasing 33 1/3% on award of LoA, which is agreed by CPWD.</li></ol>

  
(PROF M.CHANDRASEKHAR)  
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