



MINUTES OF THE 26TH MEETING OF THE BUILDING AND WORKS COMMITTEE
OF NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL HELD ON 24.04.2015
AT 11.00 AM IN THE GOLKONDA HOTEL, MASAB TANK, HYDERABAD

MEMBERS PRESENT

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| 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. | Member |
| 4. Sri P. Baghat Singh
Superintending Engineer (Civil)
Central Public Works Dept.,
Hyderabad. | Special Invitee |
| 4. Sri M.V.Chalapathi Rao
Superintending Engineer (Electrical)
HCEC, Central Public Works Dept.
Nirman Bhawan, Sultan Bazar
Hyderabad. | Member |
| 5. Sri Satpal Sharma
Under Secretary
Integrated Finance Division, (IFD),
Dept. of Higher Edn., MHRD., Gol,
New Delhi. | Special Invitee |
| 6. Smt D. Asha Rani,
Superintending Engineer,
Roads & Buildings, Rural Circle,
Balkampet,
HYDERABAD 500 016 | Special Invitee. |

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7. Prof. M. Chandrasekhar,
Registrar I/c
N.I.T., Warangal.

Member-Secretary

Sri Sanjeev Kumar Sharma, Director (NITs), MHRD, Gol, New Delhi and Sri P. Harshavardhan Rao, S.E, Electrical Circle, R&B, Hyderabad have expressed their inability, over phone, to attend the meeting.

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. The Chairman placed on record the excellent services rendered by Prof A. Ramachandra Reddy, former Registrar I/c and Secretary of BWC, who has retired from service of the Institute after attaining the age of superannuation and welcomed and introduced to the committee the incoming Secretary of BWC and Registrar I/c Prof M. Chandrasekhar.

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

B.W.C. Item No.26 .1	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To confirm the Minutes of the 25th Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 10.12.2014 at The Golkonda Hotel, Masab Tank, Hyderabad.</p> <p style="text-align: center;"><u>Resolution</u></p> <p><i>The Committee resolved to confirm the Minutes of the 25th Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 10.12.2014 at The Golkonda Hotel, Masab Tank, Hyderabad.</i></p>
B.W.C. Item No.26.2	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider the action taken report on the decisions of the 25th Meeting of Building and Works Committee of National Institute of Technology, Warangal held on 10.12.2014 at The Golkonda Hotel, Masab Tank, Hyderabad.</p> <p style="text-align: center;"><u>Resolution</u></p> <p><i>The Committee resolved to consider the action taken report on the decisions of 25th Meeting of the Building and Works Committee of National Institute of Technology, Warangal held on 10.12.2014 at The Golkonda Hotel, Masab Tank, Hyderabad.</i></p>







However, the Committee suggested that the ATR should be more elaborate giving more details about the action taken. The ATR should have the date on which the action is taken. The ATR should indicate the target dates of the activities, actual date of completion, revised date in case of any revision, reasons for delay in completing the activities, the Agent responsible for delays, action initiated for controlling the delays, whether contract clauses have been invoked in case of delay by Contractor etc. The planned progress and actual progress on date should be presented in the form of a Bar Chart and the cash flow diagram should be presented in the form of S Curve by CPWD in every BWC Meeting for all works undertaken by them.

As regards to Item No.24.3 – An elaborate discussion took place regarding the handing over and taking over of the lifts. The SE(Electrical), CPWD informed that the NIT, Warangal should take up AMC for the first five lifts as one year warranty period is completed. The SE(Electrical), CPWD informed that the final rates for AMC are pending submission from M/s OTIS, the Manufacturers of the Lifts. However, the CPWD will discuss and finalize the AMC with the company authorities and an agreement for AMC will be concluded between NIT, Warangal and M/s OTIS on or before 15th May, 2015.

The Committee strongly felt that a person should be exclusively be made available in the NIT, Warangal, campus for attending to the complaints on the Lifts. There was a discussion on the penalty clause to be imposed on the Contractor for the delays caused in handing over the Lifts on time, and the SE(Electrical), CPWD has informed that the process has been initiated for the imposition of penalty clause. The Members also suggested the need for keeping mandatory spares for the Lifts at NIT by M/s OTIS , at NIT, Warangal for quick service.

There was a thorough discussion on the re-carpeting of the internal roads in the Campus by the CPWD. The Committee was apprised of the reports submitted by the Third Party Quality Control firm ie., the Transportation Engineering Division of the Department of Civil Engineering of NITW on 31-10-2014 and the Joint Inspection conducted by NITW and CPWD on 17.04.2015. In the Joint Inspection it was agreed upon by the CPWD that wherever the repairs are identified, such repairs will be attended to by the CPWD taking the expert opinion of the Transportation Division of the CED of NITW.

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The Members felt that a Joint Meeting of the Transportation Engineering Division of CED of NITW, Maintenance and Engineering Unit (M&EU) of NITW and CPWD be convened by the Director, NITW to resolve the issue.

As regards to Item No.24.4 – about the construction of Girls' Hostel with 800 capacity at NIT, Warangal –the Award of Administrative Approval (A/A) and Expenditure Sanction (E/S) for the work is kept in abeyance.

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 depending upon the budget availability.

As regards to Item No.24.6 – The Committee was apprised of the progress of the construction of Dr. B.R. Ambedkar Learning Centre at NIT, Warangal. The Members are informed that the CPWD has completed the soil investigation for this building and the structural planning and design is under progress. An amount of Rs. 3.00 crores has been deposited by the Institute with the CPWD for the said work.

As regards to Item No.24.7 – The Members were informed that the M&EU of NIT, Warangal has circulated to all the Departments of the Institute to obtain their energy requirements for the next 15 years to work out a comprehensive energy plan. The Members were also informed about the progress of installing the 100KWp Roof Top Solar Power Plant on the Electrical Engineering Department and 100 KWp Solar Power Plant on the top of the upcoming MME and Chemical Engineering Departments. It is also apprised that at present the energy requirement is enough even after the completion of the two new upcoming buildings.

As regards to the Fire NOC for Chemical Engineering Department Building, the Members were informed that the said NOC was obtained on January 23, 2015.

However, along with Master Plan, Energy Requirements for the next 15 years need to be projected, as per the views expressed by the Committee.

As regards to Item No.24.8 - About the renovation of Civil Engineering Workshops, the Members were informed that the need for this renovation is deferred since a new building for the CED is being planned around the workshop area to cater to the comprehensive existing and future departmental needs. The tentative proposal is placed in the same BWC for approval.

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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 Punnamu Guest House), the Members were informed that the estimates for the construction of compound wall is in the process of approval. The renovation work of the building will be under taken by the Alumni of NITW.

As regards to Item No.24.10 - The Members were informed that the CPWD is regularly submitting the Form-65 in place of Utilization Certificates for all the works completed by the CPWD.

Under any other item the following points were discussed:

- 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 this work has been entrusted to NCCBM, Hyderabad. An agreement was concluded between NITW and NCCBM on 12.03.2015.
- As regards to the Master Plan of the Campus, the Members were informed that a Space Reorganization and Master Plan Committee has been constituted on 06.04.2015. The Committee was also informed that the pre-qualification for the empanelment of Architects has been completed on 20.04.2015 and it was informed to the Members that the Master Plan will be placed in the BWC within six months, i.e., by 24-10-2015. The Committee expressed the view, that within the same time lines, the Energy Requirement of various Buildings, proposed in the Master Plan, should also be estimated for the next 15 years by the Master Plan Committee.
- With regard to construction activity of the Buildings for Chemical Engineering Department and Materials and Metallurgical Engineering Departments by CPWD, the Committee was informed that the Bar Chart, mobilization details of Men and Material, Agreement copies including copy of the Performance Guarantee certificate have been

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	<p>submitted by CPWD to the Institute. However, the CPWD informed the Members that the QAP and QMS are followed according to the provisions of the CPWD Manual.</p>
26.3	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Review of ongoing construction work in the Campus</p> <p>The CPWD presented the progress of work of the MME and Chemical Engineering Department buildings before the Committee.</p> <p>The Members of the NCCBM, which is the Third Party Quality Assurance and Control (TPQAC) for the said works presented their observations on the quality of construction of the above two buildings and expressed their satisfaction on the quality of construction and progress of the work.</p> <p>The Committee suggested that TPQAC should conduct the quality checks at every level of construction activity before proceeding with the next level.</p> <p>The Committee pointed out that Milestones in time lines have not been specified in the Bar Chart prepared by CPWD, which shall be updated with Milestones immediately by CPWD.</p>
26.4	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve the estimates for the renovation and repairs to the IT Theme Centre including interior finishing.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the urgent requirement for the renovation of the IT Theme Centre. The Members were also informed that NITW has taken the expert advice and suggestions of the Department of Architecture, NIT, Trichy in finalizing the interiors and renovation activity of IT Theme Centre. The Committee recommended to take up the said work with an estimated cost of about Rs.2.33 crores. The committee suggested that the estimates be revised as per the SSR 2014-15 for compliance.</p>
26.5	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve the Estimates for Construction of Plaza and Renovation and repairs to Conference and</p>

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	<p>Seminar Halls Complex including Toilet blocks and staircase at NIT Warangal.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the need for taking up of the construction of Seminar/Conference Hall Complex which will be a good asset to the Institute. It was also brought to the notice of the committee that NITW has taken the expert advice and suggestions of the Department of Architecture, NIT, Trichy in finalizing the interiors, renovation and construction activity of the said building.</p> <p>The Committee recommended to take up the said renovation work with an estimated cost of about Rs.6.11 crores, and suggested to revise the estimate as per the SSR 2014-15 for compliance.</p> <p>The Committee also advised the Dean (P&D) and his team to visit National Police Academy, Hyderabad before finalising the Plans for Seminar and Conference Halls for which CPWD came forward to coordinate.</p>
26.6	<p style="text-align: center;"><u>Name of the item</u></p> <p>To consider and approve the Plans and Preliminary Estimates for Construction of Residential Accommodation for Bachelors and Married Research Scholars.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the requirement of separate accommodation for Bachelors' and Married Research Scholars in view of the huge intake of Ph.D Scholars in various departments of the institute. Tentative plans and designs for typical Bachelors' and married scholars' accommodation have been presented to the Members.</p> <p>The Building for Bachelors accommodation will consist of B+G+8 Floors – Each Floor Area will be 2932 sq.mts and 60 Rooms in each Floor and total number of rooms will be 480. The basement is meant for parking and ground floor is meant for dining.</p> <p>The Building for Married Research Scholars will consist of B+G+8 Floors – Each Floor area will be 2853 sq.mts and 40 Flats in each Floor and total number of Flats will be 320. The basement and ground floors are meant for parking.</p>

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	<p>Rough estimates prepared by CPWD for both the above buildings to the tune of Rs. 81.00 crores for Bachelors' accommodation and Rs. 76.00 crores for Married Scholars' accommodation have been put forth before the Committee. The Committee in principle agreed to this proposal and suggested to take up the construction in a phased manner.</p> <p>Further, the Committee suggested some changes (mentioned below) in the plans submitted and advised that the plans be relooked into & revised, if necessary.</p> <ul style="list-style-type: none">• Kitchen & Toilet not to be close.• Provision of Air-conditioning.• Provision of Electricity Meters for each Hostel Room etc.
26.7	<p style="text-align: center;"><u>Name of the item</u></p> <p>To consider and approve the proposal for Construction of Multipurpose Indoor Stadium</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the need for construction of a Multipurpose Indoor Stadium for catering to the needs of increased strength of student community and to support diversified Indoor sports and games activities which were not at present being made available to them. The tentative plans and designs for the Multipurpose Indoor Stadium were presented to the Members. A rough estimate prepared by CPWD for Rs. 10.00 crores for this construction was placed before the Committee for approval. The Committee in principle agreed to this proposal and suggested the works to be taken up in a phased manner.</p>
26.8	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve the proposal for Construction of Swimming Pool.</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the need for construction of swimming pool in the campus in view of the large demand from the student community. Tentative plans, designs and estimates for the Swimming Pool have also been presented for the perusal of the Members. The matter has been thoroughly discussed and the Members expressed the following views on the item:</p> <ul style="list-style-type: none">• A separate Swimming Pool for Girls/Ladies• One Swimming Pool for Boys with a provision to put a

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	<p>cover on the top of the swimming pool in future.</p> <p>After due deliberations, the Committee in principle agreed to take up the work of the construction of swimming pool (with provision for cover on the top of the swimming pool to be provided in future) at an estimated cost of construction of Rs. 3.66 crores (excluding cover). The Committee also suggested going for a separate swimming pool for girls along with the construction of the new twin buildings for Ladies Hostel.</p>
26.9	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve the proposal for the extension of CSE Building</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the need for construction/extension of present CSE Building keeping in view of the present departmental space requirement and increased students intake. However, the Members felt that in view of the large demand for branches like CSE and ECE there should be a separate building to be proposed by NITW.</p> <p>The Committee expressed the view that proper space requirement needs to be planned for Class Rooms / Faculty Rooms / HOD's Office / Library / Meeting Halls etc. before the plans are finalised.</p>
26.10	<p style="text-align: center;"><u>Name of the Item</u></p> <p>To consider and approve the proposal for the construction of Building for the Department of Civil Engineering</p> <p style="text-align: center;"><u>Resolution</u></p> <p>The Committee was appraised of the need for construction of a separate building for Civil Engineering Department, which is at present spread in several locations in the Campus. Also, the Committee was appraised of the requirement of establishment of the state of the art laboratories keeping in view recent development in the area of civil engineering. A tentative location for the proposed building was also discussed. The Committee in principle agreed to the proposal. The estimated cost of this building as proposed by CPWD is Rs. 99.50 crores. The committee in principle agreed to take up the work in a phased manner on priority basis in view of the requirement.</p>

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26.11	<p style="text-align: center;"><u>Name of the Item</u></p> <p>Any other item with the permission of the Chair</p> <p>The Committee was appraised of the following:</p> <ul style="list-style-type: none">• Empanelment of Architects.• Constitution of a Committee for Space Re-organization and Master Plan.• Completion of the Registration for E-Tendering
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M. Chandrasekhar
(PROF M.CHANDRASEKHAR)
REGISTRAR I/c & MEMBER SECRETARY
BUILDING & WORKS COMMITTEE
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL 506 004

T. Srinivasa Rao
(PROF T.SRINIVASA RAO)
DIRECTOR & CHAIRMAN
BUILDING & WORKS COMMITTEE
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL 506 004