

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING, KURNOOL- 518007

MINUTES OF THE SEVENTH MEETING OF THE BUILDING AND WORKS COMMITTEE (BWC) HELD AT 3.00 PM ON 20th July 2021

MEMBERS PRESENT:

S No	Name	Role
1	Prof D V L N Somayajulu, Director, IIITDM, Kurnool	Chairman
2	Prof N V Ramana Rao, Director, NIT, Warangal	Member
3	Dr M Nithyadharan, Dept of Civil Engg., IIT, Tirupati (through Google Meet)	Member
4	Prof.V Thiruvengadem, Former Professor and Head, Building Engineering and Management, SPA, Delhi (through Google Meet)	Member
5	Shri B S Reddy, SE (Electrical), CPWD, Hyderabad (through Google Meet)	Member
6	Shri G K Vijayanand, Consultant Engineer, IIITDM, Kurnool	Member
7	Prof.T D G Rao, Dept of Civil Engg., NIT, Warangal	Member & Secretary
8	Shri C N Suresh, SE, CPWD	Special Invitee
9	Shri C Subramanyam, EE, CPWD Kurnool Division	Special Invitee
10	Shri S Nayanan, Spacematrix, Bangalore along with his team	Special Invitee(s)

At the outset, the Chairman, Building and Works Committee welcomed all the members and appraised about the campus construction progress video and later, the Members discussed and deliberated the Agenda items in detail and passed the following item-wise resolutions.

Item No. BWC-7(2021)-01	To confirm the Minutes of the fifth meeting of the Building and Works Committee of Indian Institute of Information Technology Design and Manufacturing Kurnool, held at 3.0PM on 12th February 2021.
	<u>Resolution</u> Confirmed.

Item No. BWC-7(2021)-02	<u>Name of the item</u>
	To consider the action taken report on the resolutions of the sixth meeting of the Building and Works Committee of Indian Institute of Information Technology Design and Manufacturing Kurnool, held at 3.00 PM on 12 th February 2021.
	<u>Resolution</u> Noted

Item No. BWC-7(2021)-03	<u>Name of the item</u>
	To consider and to approve the plans of Bulk Services of phase -2 IIITDM Kurnool campus.
	<u>Resolution</u>
	Members have advised Architect to prepare and send immediately Detailed Project report along with detailed drawings and plans complete in all aspects, by including the necessary modifications suggested based on queries/observations posed by members for all the services under bulk services of phase -2 immediately for the preparation of Preliminary Estimates by CPWD and the same may be presented in the next BWC. Details of queries/observations identified by BWC members are enclosed in (Annexure I) .

Item No. BWC-7(2021)-04	<u>Name of the Item</u>
	To consider and to recommend for approval of the estimates for construction of access road including E&M components, to Administrative Building in IIITDM Campus, Kurnool.
	<u>Resolution</u>
	Recommended for approval of construction of access road including E&M Components to the existing administrative building with the Preliminary Estimate of Rs.3,21,22,000/- (Three Crores Twenty-One Lakhs and Twenty-Two Thousand Rupees only) .

Item No. BWC-6(2021)-07	Any other Item with the permission of the Chair: None
	<u>Resolutions</u> None

At the end, Chairman requested all members to attend the next BWC meeting at the campus. . With the above, the meeting is concluded with thanks to the chair and the members for sparing their valuable time and giving suggestions and directions to the Institute.

Prof. T D G Rao
Secretary, BWC
IIITDM, Kurnool

Prof D V L N Somayajulu
Chairman, BWC
IIITDM, Kurnool

Annexure - 1

Item No BWC-7(2021)-03: Bulk Services under Phase II of IIITDM Kurnool

The following are the queries/observations mentioned by honorable BWC members in connection with item No BWC-7(2021)-3 pertaining to Bulk services of phase 2 of IIITDM Kurnool campus development. All the members are unanimously advised the M/S Space matrix to consider all queries/observations and submit final project completion report complete in all respects with all detailed diagrams and plans in order CPWD to prepare the Preliminary Estimates for this item.

S No	Query/Observation stated by Members of BWC	Response by Architect
1	Revising LT DG Set in the Plans: LT DG Set is to be replaced with HT DG Set keeping in view of the future load. M/s Space Matrix Architects are requested to redesign HT DG set based on load requirement in the future.	
2	Regarding Solar System: Clarification is needed whether Solar system is isolated or a centralized system.	
3	Regarding Underground cabling: Cost Justification is to be provided for Underground Cabling than Over Head Lines.	
4	Regarding Fire Safety: Provide a separate report on fire storage, fire safety, fire services by considering NBC norms	
5	Regarding Sewage Treatment Plant and its Plumbing: Suggested to use separate plumbing system for the water treated from Sewage Treatment Plants (STP)	
6	Regarding location of Storage sumps: Suggested to fix the location of the Storage sump with the consent of Municipality in order to have a supply from it.	
7	Preliminary project report along with preliminary costing incorporating all the details for examining detailed design/estimates and specifications for MEP services	
8	The proposed costing needs to be compared with the provisions available in the overall DPR of the Campus construction	
9	Electrical Services: a) The tables of electrical load calculations shown could include the important parameter of load/sqm of built up area considered for the	

	<p>different building types considered. ECBC norms considered could be mentioned. Wherever air-condition loads are considered the same could be mentioned.</p> <p>b) It seems Substation 1 will have provisions for receiving HT the supply from the Electricity board. The substation layout may be confirming to CPWD norms. Whether the substation will have provisions related to Solar power distribution considered for the campus.</p> <p>c) The proposal considers underground cabling for the entire campus which would be quiet costlier compared to overhead lines. The preliminary project report may incorporate the justification for the adoption UGC proposal.</p> <p>d) The street lighting/area lighting/landscape lighting components appears to be not shown. Street lights may be independently solar powered or solar power supplied through cables from the central system. The proposed system may be given.</p> <p>e) Solar power system: The preliminary design details and costing details of the proposal be covered in the preliminary report. In the slide presentation the total solar power generation is indicated as 528Kw substantially from the car parking roof area (390Kw).</p> <p>f) Aspect of the phasing of the works may be indicated based on the construction programme.</p>	
10	<p>Is car parking is such large structure. Where the reduction in the conventional load requirement is shown with the proposed solar power generation. The details of what component of power supply of individual building Is proposed with solar power could be brought out. Will there be a separate block diagram of solar power distribution or it will be integrated with the overall block diagram of power distribution with conventional power system.</p>	
11	<p>External Infrastructure services for Fire safety. The report needs to provide a section on the external infrastructure services for the fire safety in terms of fire storage, fire mains, Fire station etc as per NBC norms and other local authority stipulations</p>	
12	<p>PHE Services: As mentioned for Electrical infrastructure services, Preliminary scheme design Report with preliminary cost details be prepared</p>	
13	<p>Water Supply system: Source The source of supply is mentioned from Municipal supply and deep bore wells. The location of bore wells with expected yield and water quality details be indicated based on the geophysical survey/exploratory wells in this hill</p>	

	<p>terrain. Based on water quality suitable water treatment proposal be given. Out of total water requirement quantum from Municipal supply and bore well source be indicated. Municipal supply may be treated water and may require only nominal treatment. Proposal for tank water supply could be avoided. Water requirement for other purposes like fire water storage, landscape and plantation requirements may be considered</p>	
14	<p>Storage Sumps: Main sump at a higher elevation is proposed with raw water and treated water storage. Will the Municipal supply will be received at this proposed level. The proposed bore well locations may be indicated. If far from main sump, locating the water station for raw water storage and treatment plant could be considered in the vicinity of the bore wells. The receiving sumps may be getting mixture of municipal supply and bore well supply. The sump proposed for Directors residence and faculty location seems very small (10Cum) It is mentioned treated water from STP will be used for flushing requirements in buildings besides landscape requirements</p>	
15	<p>Will there be separate plumbing arrangements for the flushing water usage (non-contact water with the users). It seems overhead storages are proposed over the terrace of the buildings. Suitable water supply distribution system be worked out and details shown.</p>	