

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

MINUTES OF THE NINTH MEETING OF THE BUILDING AND WORKS COMMITTEE (BWC) HELD AT 11.00 AM ON 15th July 2022

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 (online)	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 (online)	Member
5	Shri B S Reddy, SE (Electrical), CPWD, Hyderabad (online)	Member
6	Shri C N Suresh, SE, CPWD, Warangal Division	Member
7	Shri G K Vijayanand, Consultant Engineer, IIITDM, Kurnool	Member
8	Prof.T D G Rao, Dept of Civil Engg., NIT, Warangal (online)	Member & Secretary
9	Sri Kanaka Raju, Chief Engineer, CPWD, Vijayawada	Special Invitee
10	G V S Srinivasulu, EE, CPWD-Kurnool	Special Invitee
10	Shri S Narayanan, Spacematrix, Bangalore	Special Invitee

At the outset, the Chairman, Building and Works Committee welcomed all the members and appraised about the construction progress of each building. Later, the Members discussed and deliberated the agenda items in detail and passed the following item-wise resolutions.

Item No. BWC-10(2022)-01	To consider and approve the minutes of Ninth Meeting of Building and Works Committee (BWC) held on 04-01-2022 at 11.00 am through Google meet
	<u>Resolution</u> Confirmed.

Item No. BWC-10(2022)-02	To Consider the Action Taken Report (ATR) based on the resolutions of decisions of Ninth BWC meeting held on 04 th January 2022.
	<u>Resolution</u> Noted

Item No. BWC-10(2022)-03	To consider and approve the revised Preliminary Estimates (PE) of bulk services.
	<u>Resolution(s)</u>
	Ratified the revised preliminary estimates of Rs 47, 64, 02, 000/- (forty-seven crores sixty-four lakh two thousand rupees) including 3% contingencies for bulk services. Also members deliberated the comments/suggestions based on the replies given by CE, CPWD, replies to the observations are given in Annexure I.

Item No. BWC-10(2021)-04	<u>Name of the Item</u>
	To consider and ratify the works: a) Development of stationary shop, setting up of Wind tunnel laboratory in the basement floor, c) Construction of UPS room behind staircase room of existing laboratory in the Academic and Admin building and d) Development of Parking shed for staff on northern open space of existing Academic and Admin building.
	<u>Resolution</u>
	Committee has ratified the total expenditure of Rs 8,10,976.00 (Eight lakhs ten thousand nine hundred seventy-six rupees) for the listed items a), b), and c). Also, committee has visited the places and approved to use the stationery room for post office and advised to provide some suitable place for stationery shop close to the hostel buildings.

Item No. BWC-9(2022)-05	To discuss and approve the works a) Fiber optic cable distribution from centralized location to various buildings, b) CCTV Indore surveillance in buildings other than Admin Block and 8A Hostel Block, and in all the common areas, c) campus security surveillance systems along the roads/ compound wall and d) Solar P.V power plants on roof tops
	<u>Resolutions</u> Approved. Also advised to include the services that are supported on fiber network, along with roads, cable trenches and to include any other missing services to avoid submission of estimates in parts and advised the Institute to immediately obtain estimates from CPWD. Approval from BWC may be taken by circulation due to urgency.

Item No. BWC-10(2022)-06	To appraise the project extension date based on the progress of the construction works in the campus.
	<u>Resolutions</u> Noted. After inspection of buildings by the members, it is advised CPWD to strictly monitor progress of the work and ensure the completion buildings as per the dates mentioned in the letter due to non-availability of the space for students and staff in the existing buildings.

Item No. BWC-8(2021)-11	Any other items with the permission of the Chair:
	<u>Resolutions</u> Nil

At the end, Chairman has concluded the meeting with thanks to all the members for sparing their valuable time and giving suggestions in the campus development.

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

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

Annexure – I : Replies for the comments received for Item No BWC 10(2022)-03: Bulk services		
S No	Comments	Reply
1	It is necessary to document the design basis report (DBR), scheme design details with design calculations for each component of the development works and bulk services. These details initially furnished by the consultants should be got reviewed and proof checked before finalizing the specifications and quantities of items for the preparation of the cost estimates. This aspect has been emphasized by me in my noting on the earlier BWC meeting. In the present case the quantities given by the IITDM consultants is used by CPWD to work out the cost estimates	<ul style="list-style-type: none"> Will be prepared and communicated by email to all members.
2	The details of measurement (DOM) furnished by the consultants for arriving the quantities be attached as a part of the preliminary estimate made by CPWD. Some broader comments are given below in some of the provisions in the estimate for necessary considerations and action.	
	<p>a) Estimate for internal road works: There is provision for toe walls for the road embankments to add stability to the embankment in the slope stability analysis. The toe wall should be suitably located from the lower edge of the slope and its size proportioned. The toe wall need not be plastered. The likely mistake of constructing the toe wall after the construction of the embankment should be avoided. The toe wall should be constructed at the predetermined location before the placement of the embankment. There is an item of providing boulder pitching over a murrum layer on embankment slopes. It may be checked whether is provision is really required as this not a heavy rain fall area causing soil erosion. If soil erosion is anticipated economical alternatives like provision of geotextiles could be considered and growth of vegetation. There is provision for continuous RR masonry parapet wall on top edge of embankments. For such protective measure a more pleasing and economical alternative of railing of suitable material could be considered.</p>	<ul style="list-style-type: none"> Provision of toe wall at Lower edge of the slope is already considered and the work is to be executed accordingly. As there is lot of stone boulders at site, pitching with stone to slopes is proposed for better utilisation of available stone at site. For safety aspect RR masonry parapet wall with tapered cc coping on the top is proposed instead of railing to avoid Students to stand on the top of railing.
	<p>b) Water supply storage and distribution system It was earlier discussed water storage tanks are suitably placed at higher elevations to ensure gravity flow to different buildings. In such situations these storage tanks need not be below ground underground sumps and may be ground level tanks or overhead tank with smaller staging heights. This would be clear with proposed tank locations with their water storage levels in the distribution layout. Also it may be clarified whether each building or cluster of buildings have separate storage tanks with domestic and flushing requirements from which pumping is done to the terrace tanks of the buildings. It is understood that the water</p>	<ul style="list-style-type: none"> From bore well water is collected in one sump. From this sump water being pumped to master sump which is located in elevated place. From this elevated sump water being supplied by gravity through pipe lines.

	<p>requirement for horticulture purpose/landscape Irrigation will be met through treated water from STPs/rainwater storage tanks. This will be done through a separate unfiltered water supply line which may also carry building flushing requirements. Under external water supply para, it is mentioned that necessary tap points are provided in water supply line for horticulture purpose. This aspect of separate lines for filtered and unfiltered water may be clarified. This might have been covered in DBR for water supply system. The system for fire water storage, supply to external fire hydrants may also be brought out</p>		
	<p>c) Sewerage Treatment plants. Capacities of STPs proposed are shown in the estimate with cost figures. The proposed technology type of STPs may be brought with justification in the DBR with schematic designs.</p>	<ul style="list-style-type: none"> • Taps for horticulture is proposed in the water supply lines from rain water collection sump and STP treated water 	
	<p>d) Horticulture works like landscape works/hardscape works. Under a separate Landscape works subhead, all the landscape components like floor finishes, pavements around buildings etc may be kept with their estimate provisions under this sub head. Works of retaining walls, gabion structures may be kept under site development works. Horticulture work sub head shall cover plantation works (trees/shrubs) etc which appears to have been not covered in the estimate. Under the section of obligations by the client department, it is mentioned CPWD shall prepare and submit various architectural drawings and services plans for the local body approvals and environmental clearance. I understand that such submission drawings shall be prepared by the IITDM consultants and CPWD will do the submission process on behalf of the client. This aspect may be clarified.</p>	<ul style="list-style-type: none"> • Taps for horticulture is proposed in the water supply lines from rain water collection sump and STP treated water • At present only hardscape work is only considered for Water supply and distribution system. 	