

# **NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND**

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MINUTES OF THE THIRD MEETING OF BUILDING AND WORKS COMMITTEE  
HELD ON 1<sup>st</sup> FEBRUARY, 2014.

The following members were present:

- |                         |   |          |
|-------------------------|---|----------|
| 1. Prof. H. T. Thorat   | - | Chairman |
| 2. Shri R. Srinivasan   | - | Member   |
| 3. Shri Navin Soi       | - | Member   |
| 4. Prof. M. N. Viladkar | - | Member   |
| 5. Shri Salek Chand     | - | Member   |
| 6. Prof. V. K. Sharma   | - | Member   |

Dr. Vinay Pant could not attend the meeting due to his preoccupation at IIT Roorkee.  
Following experts were invited and were present to discuss the Master Plan presented by M/S  
DDF Consultants.

Professor Anbalagan	- Professor, IIT Roorkee
Professor S Kulkarni	- Professor, IIT Roorkee
Professor R B Deshmukh	- Professor, VNIT Nagpur
Mr Vijay Kapse	- Associate Professor, VNIT Nagpur
Ms Chanda Sabnani	- Associate Professor, VNIT Nagpur
Mr Akshay Patil	- Associate Professor, VNIT Nagpur
Mr Aniket Deshmukh	- Assistant Professor, VNIT Nagpur

At the outset, the Chairman welcomed all the members.

The Committee discussed the following agenda:

## **BWC 03.01 Confirmation of Minutes of the Second meeting of Building and Works Committee**

The minutes of the Second meeting of Building and Works Committee are confirmed.

## **BWC 03.02 Action Taken Report**

Noted.

### **BWC 03.03 Finalization of Agency Charges for establishing the Permanent Campus for the Institute.**

**Agenda:** As per recommendation of Second BoG, an agency charges have been negotiated by a committee constituted by Director, on 6<sup>th</sup> Jan 2014. The committee recommended that NIT Uttarakhand shall pay 10% (including all services like architectural service, structural design, geotechnical investigation, topographical survey, field testing, quality control etc.) as service charges to PMC over the cost of execution of the construction work. Minutes of the meeting are enclosed as **Annexure- BWC 03.02**  
The BWC is requested to approve Agency charges payable to NBCC for establishing the Permanent Campus for the Institute.

**Resolution:** The BWC discussed the Agency Charges payable to NBCC for establishing the permanent campus for the Institute. The committee observed that the Architectural Charges are only 0.65%, much lower than standard 2.0%. Under the circumstances Director is authorized to negotiate further to reduce the service charges and place it before the BoG in the ensuing meeting on 5<sup>th</sup> February 2014.

### **BWC 03.04 Approval for architectural consultant for preparation of Master Plan.**

**Agenda:** In the fourth meeting of BoG, following decisions was taken regarding appointment of Architectural Firm for preparation of Master Plan. BoG resolution is enclosed as annexure **BWC 03.03**.

*The BoG discussed in detail the need to save the time to select an Architectural firm, identified by NBCC, and authorized the Director to approve and appoint an Architectural firm for preparing Master Plan in consultation of BWC. The Director should ensure that*

*NBCC has followed due process of identifying the Architectural firm. NBCC has appointed M/s DDF consultant as an Associate Consultant for rendering consultancy services for the proposed construction of the Permanent campus for NIT Uttarakhand. Director, NIT Uttarakhand visited NBCC to verify the documents and found that the procedure adopted is appropriate. Brief in respect of appointment of agency for rendering consultancy services for execution of NIT Uttarakhand is enclosed as **Annexure- BWC 03.04**.*

As part of the scope of work of the Associate consultant, preparation of Master Plan is included, for which no separate charges have been apportioned.

NBCC has agreed that NIT, Uttarakhand can avail services of M/S DDF consultant for preparation of Master Plan without any additional charges.

The BWC is requested to approve M/S DDF Consultant as an Architectural Consultant for preparation of Master Plan for Permanent campus of NIT Uttarakhand at no additional cost.

**Resolution:** The BWC discussed about the decision taken in the fourth meeting of BoG, regarding appointment of Architectural Firm for preparation of Master Plan. The BWC approved M/S DDF Consultant as an Architectural Consultant for preparation of Master Plan for Permanent campus of NIT Uttarakhand at no additional cost.

**BWC 03.05 Approval for the construction of boundary wall of permanent campus of NIT, Uttarakhand**

**Agenda:** NBCC has submitted the proposal of Rs.1327.48 Lakhs for construction of boundary wall. Financial provision for construction of boundary wall has been made in budget for F.Y. 2013-14. The land is expected to be handed over in January 2014. Design and estimate is enclosed as **Annexure- BWC 03.05**

BWC is requested to approve the Design and estimate of boundary wall of permanent Campus of NIT Uttarakhand.

**Resolution:** The BWC discussed about the proposal submitted by NBCC for Rs. 1327.48 Lakhs for construction of boundary wall of permanent campus of National Institute of Technology, Uttarakhand. The committee approved the Design and estimate cost for construction of boundary wall of permanent Campus of NIT, Uttarakhand.

**BWC 3.07-A: Approval for revised estimate for construction of prefab structure for Girls Hostel on the roof top of Mechanical Block in the temporary campus of NIT Uttarakhand, Srinagar Garhwal.**

**Agenda:** To meet the requirement of additional Girl students it was proposed to construct an additional floor on existing Mechanical block in the temporary campus of NIT Uttarakhand, Srinagar Garhwal. This proposal was made as *Agenda no.BWC 01.02* in the First meeting of Building and Works Committee held on 25 August, 2013. The proposal was accepted by the Committee.

The construction agency, Uttar Pradesh Rajkiya Nirman Nigam Ltd. (UPRNN) was asked to build the structure by the Prefab Column Technique. After stability check of the building by the experts they discovered that the building has load bearing walls without a column – beam structure. Hence, it is suggested by UPRNN to use the Prefab L.G.S.F. technique for building the prefab structure over the roof top of this building. A revised estimate of Rs.25.45 Lakh for this has been submitted by UPRNN. Revised proposal of UPRNN as **Annexure BWC 03.06**.

**Resolution:** The revised estimate of Rs. 25.45 Lakh is approved in view of need to change the design in the absence of beam column structure in existing building.

**BWC3.07 -B: Approval for construction of basketball court and to provide IRC Fabric work.**

**Agenda:** Sports are essential part of student life. The Institute believing in this fact has tried all its efforts to provide better sports facility with studies. In temporary campus space is a major constraint and it is not possible to develop bigger ground. Now, the Institute plans to have a basketball court with cement concrete pavement. The existing basketball clay court is unplayable because of underground septic tanks which gives uneven bounce. Only one volleyball and two badminton grounds are grossly inadequate. Concrete court will also give an additional opportunity of skating to the students on the same ground. Further, it also plans to have IRC Fabric on all windows to protect glass windows from breaking and to lay G.I. line from Office Block to Classroom roof with placement of 200 ltr. tank. For this, an estimate of Rs10,06,800/- has been submitted by CPWD. Copy of estimate as **Annexure BWC 03.07.**

**Resolution:** The proposal is withdrawn.

**BWC 3.07-C: Approval for revised estimate for construction of Playground.**

**Agenda:** BWC in its first meeting (vide item no.BWC 1.0X) had approved preparation of playfield in ITI Campus. The ground was to be prepared only by rolling. However, as rains subsided the soil became dry and it is now can not be compacted by rolling as it is more or less sandy with very little bonding to roll. It is not possible to roll and compact it without adding a layer of soil. The revised proposal with adding the soil is enclosed as Annexure **BWC 3.08.**

**Resolution:** In view of difficulties faced in compaction of the soil and necessity of providing sports facility to students, revised estimate of Rs. 25.19 Lakh for preparation of play ground is approved.

**BWC 3.07-D: Consideration of the Master Plan for NIT Uttarakhand**

**Agenda:** DDF Consultants who are being considered as agency to prepare Master Plan for NIT Uttarakhand has prepared their draft proposal for consideration of BWC. Some experts from IIT Roorkee and VNIT Nagpur are invited to discuss the proposed Master Plan.

BWC is requested to permit M/s DDF Consultants to make a presentation before BWC and experts. BWC may consider the draft Master Plan for suitable recommendations.

**Resolution:** After listening to presentation and taking into account the opinion expressed by the experts the BWC approved the Master Plan proposed and authorized the Director to accommodate small alterations based on opinions of the experts. It was emphasized and decided that the ground preparation i.e. road structure and terracing of entire hill shall be done before starting the construction of buildings.

### BWC 3.07-E Approval of the Estimates for construction of Permanent Campus at Sumari

**Agenda:** Administrative approval for the expenditure for construction has been sought from BoG in the ensuing meeting. To save time and to expedite the construction of permanent campus which has been extraordinarily delayed due to handing over of the land to the Institute, Preliminary estimates for expenditure are placed before BWC (as Annex BWC 03.09) for approval.

Sr. No.	Description	Area (Sqmt)	Cost per Building in Crore Rs.	No. Of Units	Total Cost in Crore Rs.
<b>A</b>	<b>Building Works</b>				
1	Directors Bungalow	280.00	0.8	1	0.8
2	Guest House	5800.00	24.82	1	24.82
3	Staff Club Building	1765.00	7.56	1	7.56
4	Community Center	1765.00	7.68	1	7.68
5	Senior Faculty Quarter	1376.00	4.07	3	12.21
6	Junior Faculty Quarter	1108.00	3.34	6	20.04
7	Senior Staff Quarter	1068.00	2.92	1	2.92
8	Junior Staff Quarter	812.00	2.22	2	4.44
9	Class Room Complex	5760.00	25.04	1	25.04
10	Heavy Department Building (Main Unit + 2Annex)	4752.00	20.95	0	0
11	Light Department Building (Main Unit+ 1 Annex)	3168.00	14.07	0	0
12	Research Center (Main Unit)	1584.00	7.20	7	50.40
13	Computer Center & Library	3000.00	13.05	1	13.05
14	Open Air Theater (500 Capacity)	1000.00	2.04	0	0
15	Auditorium (1000 Capacity)	3400.00	17.10	1	17.10
16	Boys Hostel (200 Capacity)	4800.00	15.00	4	60.00
17	Girls Hostel (200 Capacity)	4800.00	15.00	1	15.00
18	Junior Hostel (300 Capacity)	4080.00	12.80	1	12.80
19	Dinning Block (500 Capacity)	1200.00	5.23	2	10.46
20	Administration Building	3120.00	13.60	1	13.60
21	Health Centers	1600.00	6.55	1	6.55
22	Shopping Center	2100.00	8.59	1	8.59
23	School Building	1200.00	4.01	0	0
24	Student Activity Center	800.00	2.67	1	2.67
25	Meditation Center	700.00	3.04	0	0

<b>B</b>	<b>Sub Total</b>				<b>315.73</b>
26	Site Development Works				
	Total Cost of Site Development		188.26		188.26

**Resolution:** The BWC approved the expenditure as phase I of construction plan for 1500 students. BWC further advised that total proposal of construction for 5 years be presented to FC and to BoG.

The meeting ended with thanks to the chair.



Dr.H.T.Thorat  
Chairman BWC