

**DELHI TECHNOLOGICAL UNIVERSITY**  
(formerly DELHI COLLEGE OF ENGINEERING)  
GOVT. OF NCT OF DELHI  
Shahbad Daultpur, Bawana Road, Delhi

F.No.7/DTU/Engg Cell/ 2013-14

Date: 19.07.13

**Minutes of Eighth meeting of Buildings & Works Committee**

**held on 19.07.2013 at 11.00 am**

The following were present during the meeting

1. Prof. P.B. Sharma,	Vice Chancellor	- Chairman
2. Prof D. V. Singh,	Former Director, IIT, Roorkee	- Member
3. Prof Anil Dewan,	Prof. Architecture, SPA	- Member
4. Sh B K Chugh	Ex DG, CPWD	- Member
5. Sh. A.K. Gupta,	Registrar, DTU	- Member
6. Prof A Trivedi	HOD, Civil Engg, DTU	- Member
7. Dr. K Singh,	Joint Registrar, DTU	- Member
8. Dr K C Tiwari	CPO, DTU	- Secretary
9. Sh Anil Kumar	Consultant (C&M), DTU	- Sp.Invitee
10. Dr. Amit Kr Srivastava,	Project Officer, DTU	- Sp.Invitee
11. Sh. Y. S. Rao	Sr. Asstt. Registrar (F&A)	- Sp.Invitee
12. Sh. Sanjay Prakash	M/S Shift Consultants	- Sp.Invitee
13. Sh. D S Sachdeva	M/S Shift Consultants	- Sp.Invitee
14. Miss Madhulika	M/S Shift Consultants	- Sp.Invitee

The agenda for the meeting was as follows

1. Welcome remarks by the Chairman and outlining of challenges ahead
2. Review of progress on the points of last meeting
3. Presentation cum review of Phase-II construction and approvals
4. Proposed construction of SPS class rooms at DTU
5. Proposed Civil and Electrical Capital works in 2013-14
6. Any other matter with the permission of the chair

**Agenda 1 Welcome remarks by the Chairman**

The Chairman extended warm welcome to the members of Building Works Committee and stressed the need to focus on the activities involving construction in Phase-II and in particular on the requirements of the class rooms for the current academic year 2013-14.

**Agenda 2 Review of the Progress on the Points of Last Meeting**

The committee, first, reviewed the progress of points of the last building works committee meeting held on April 17, 2013. Some of the points of the last committee were also discussed along with the agenda points of this meeting. One of the points raised during the last BWC meeting was regarding the mandate of the BWC. In this regard, an extract from Manual 8 placed on the DTU website is as under :-

- (a) Finalising plans and estimates relating to the construction projects.
- (b) To decide on the broad specifications to be followed.
- (c) Consider and decide the tenders which exceed the financial power at the level of Chief engineer on the lines of CWB of CPWD.
- (d) Any other item related to the construction projects.

Besides, the BWC was also informed that the Govt of NCT Delhi letter Number S/Accounts/GIA/DTU/740-747 dated 21 April 2011 prescribes that all construction projects under Capital head be approved by the BWC and then by BOM. The works under Capital Head include both New Works as well as addition/alteration/renovation works. Usually, there are several minor new works, addition/alteration works which are of small value ranging from Rs 1 Lac to 20 lacs. The list of capital works proposed to be executed in DTU was placed before the BWC for consideration. **The BWC approved that capital works below Rs 25 lac need not be submitted to the BWC and the Hon'ble Vice Chancellor may take decision on these capital works.** However, the details of these estimates so approved be submitted for information of the BWC.

**Agenda 3      Presentation cum review of Phase-II construction and approvals**

The BWC was informed that the EFC memo for Rs 256 Crore has been submitted to Govt of Delhi for approval after seeking the concurrence of all the BWC members. **The BWC approved the estimates of Rs 256,08,02,299/- for various buildings proposed in Phase-II.**

Regarding approval of layout plan, M/S Shift Consultant informed that Fire Officer has asked all the peripheral roads around the buildings be black topped for easy movement of fire tenders. However, the Consultant intimated that it may result in reduction of Green Area below the minimum required as per the mandatory norms. The Committee members recommended that alternative measures such as perforated paver block may be used above the sub base. The consultant informed that he would discuss these measures with the CFO.

With regard to the observations made by DUAC in their meeting held on 5<sup>th</sup> June 2013 while giving conditional approval, the consultant informed that he has been called by the Secretary DUAC for discussion on 22 Jul 13. The consultant further informed that, for this approval, since more than 45 days has already elapsed from the day of submission, he shall now be approaching the AAI in writing.

Regarding EIA, the consultant architect informed that there will be no need for the data collection by hiring a environmental consultant as the total built up area of this phase is less than 1,50,000 sqm. However, the consultant intimated that he will require collection of some data from DTU, the list of which shall be given by him separately.

The BWC was further informed that the soil testing work has been completed and the report is being examined. A team of experts comprising Prof A Trivedi, Prof A K Gupta and Prof Amit Srivastava has been asked to examine and recommend the type of foundation required. The BWC was also informed that the Survey report too has been completed but the Surveyor has been now also asked to give details of tree cutting required in Phase-II for forest clearance.

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A detailed presentation was made by M/S Shift Consultants, following which the following decisions were taken :-

(a) **BWC approved three envelope system for tendering** as per manual of CPWD procedure i.e post qualification should be adopted. Further, comprehensive tendering be adopted preferably with separate tenders for Academic Blocks, Boys Hostel and its Annapurna, and Girls hostel with its Annapurna. Only highly specialized works like Solar panels, High side HVAC, EL and PL to be tendered separately.

(b) The **BWC approved the building plans** of academic building and hostels & annapurnas for submission to various concerned local bodies subject to the architect consultant providing and ensuring the following within the existing estimated budget :-

- (i) Building efficiency index
- (ii) Pre-conceived GRIHA rating
- (ii) Net zero building
- (iv) Maintenance free building
- (v) Earthquake resistance index
- (vi) Energy efficiency
- (vii) Zero discharge

(c) The BWC also pointed out the following ;-

- (i) The BWC asked the architect consultant to look into and review the V shaped structures/appearances in the elevation of the hostel buildings.
- (ii) To review the vertical landscaping for hostel buildings
- (iii) To ensure adequate natural lighting and ventilation.
- (iv) Eco-sanitisation be considered in the planning.

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(d) The BWC discussed in detail the constitution of Project Monitoring Committee (PMC) and approved the following constitution :-

- (i) Nomine of BOM Chairman
- (ii) HOD Civil or his nominee not less than Associate Professor
- (iii) HOD Electrical or his nominee not below the rank of an Associate Professor
- (v) Two specialists provided by the consultant
- (vi) One representative of the Govt/DTTE

(e) The consultant architect, as Project Management Consultant (PMC), was asked to give a suggested organogram for his PMC in line with the PMCs of CPWD which will monitor the Phase-II constructions at DTU to ensure quality and that no time and cost overrun takes place.

(f) The BWC approved appointment of a third party quality assurance consultant of repute.

**Agenda 4 Proposed construction of SPS class rooms at DTU**

The BWC approved the construction of the following :-

- (a) Construction of 2 x 250 Capacity SPS class rooms costing Rs 1,25,000/-
- (b) Construction of 4x100 capacity SPS class costing Rs Rs. 2,25,03,300/-

**Agenda 5 Proposed Civil and Electrical Capital works in 2013-14**

The BWC approved the following Capital Works to be executed in 2013-14 in DTU campus:-

- (a) New Works (Civil) costing Rs 8,28,00,000/--  
refer Appendix A
- (b) Addition/Alteration/Renovation works (Civil) -  
Costing Rs 4,15,85,581/- , refer Appendix B
- (c) New Works (Electrical) - costing Rs  
1,34,50,000/- refer Appendix C
- (d) Addition/Alteration/Renovation  
works(Electrical)- costing Rs 1,03,95,731/-  
refer Appendix D

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The total value of Capital Works (Civil) approved by BWC is Rs 12,43,85,581/-, Capital Works (Electrical) is Rs 2,38,45,731/- and the Grand Total (Civil + Electrical) is Rs 14,82,31,312/-

  
Chief Project Officer

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All members