



**Project Office**  
**DELHI TECHNOLOGICAL UNIVERSITY**  
Shahbad Daulatpur, Main Bawana Road, Delhi-42

F. No.DTU/Engg Cell/B&W/2015-16/82-94

dated: 14/2/16

**Sub: Minutes of Tenth meeting of Building & Works Committee held on 9<sup>th</sup> Feb, 2016 at 11 A.M.**

The tenth meeting of Building & Works Committee was held on 9<sup>th</sup> Feb, 2016 at 11 A.M. in Room No. 307, Administrative Block, DTU.

The following members were present during the meeting.

- |  |   |                 |
|--|---|-----------------|
| a) Prof. Yogesh Singh, Vice Chancellor                                     | - | Chairman        |
| b) Prof. S.K. Garg, Pro-Vice Chancellor                                    | - | Member          |
| c) Col. Neeraj Suri (Retd.), Registrar                                     | - | Member          |
| d) Sh. M.C. Yadav, Chief Engineer, DSIIDC                                  | - | Member          |
| e) Prof. Anil Dewan, Architect<br>School of Planning & Architecture        | - | Member          |
| f) Sh. Dalbir Singh, Executive Engineer (Civil)<br>Dr-III, Delhi Jal Board | - | Member          |
| g) Sh. K.R. Bhandaria, Superintending Engineer,<br>N/W PWD                 | - | Member          |
| h) Prof. Narindra Dev, HOD (Civil Deptt.)                                  | - | Member          |
| i) Dr. M. Rizwan, P.O. (Electrical)  | - | Member          |
| j) Sh. Nand Kishore, D.R. (Accounts)                                       | - | Member          |
| k) Sh. Bimal Jain, Executive Engineer, DTU                                 | - | Secretary       |
| l) Sh. D.P. Singh, Assistant Engineer, DTU                                 | - | Special Invitee |
| m) Sh. Nitin Sharma, Head Sale & BD, M/s SHIFT                             | - | Special Invitee |

The agenda for the meeting was as follows:-

\* Welcome remarks by the Chairman.

1. Review of progress on points of last meeting.
2. Proposed Civil works for the year 2016-17.
3. Proposed Electrical works for the year 2016-17.
4. Providing stand by arrangement between Electric Sub Station No. 3 & 4 at Delhi Technological University.
5. Provision of Passenger Lift for Type-V & Type-IV Staff Flats at DTU Campus.
6. Outstanding payment to Architect Consultant and Extension of the agreement of construction of Phase-II Project of DTU.
7. Special repair to existing water supply, sewerage and drainage system including replacement of old damaged lines in DTU Campus.
8. Remodelling of FOT building premises for accommodating Delhi School of Management, DTU.
9. Any other matter with permission of the chair.

## **Welcome remarks by the Chairman and outlining of challenges ahead.**

The Chairman extended warm welcome to all the members of Building and Works Committee and wished them all a very Happy New Year.

### **Agenda No.1**

#### **Review of progress on points of last meeting.**

- (a) The progress of Phase-II Construction at DTU Campus was discussed in detail in view of the decisions taken in meeting chaired by Hon'ble Minister, PWD held at his residence (Camp Office) at 12 noon on 24<sup>th</sup> December, 2015. (Minutes circulated by The Executive Engineer Education-IV, PWD, vide letter No.F.23(3)/EE/Edn.-IV/PWD/2015-16/24 dated: 08.01.2016). The extracts of minutes of meeting are as follows:-

#### DTU Phase-II (Consultant M/s SHIFT).

*The Hon'ble Minister, PWD after the review directed the following:-*

- i. Both the residential and academic blocks should be made high rise by adding additional floors, so that more area on the ground can be freed up for future expansion.*
- ii. The layout plan should be revised by combining two or more blocks into one and increasing the vertical height of the proposed buildings to the maximum.*
- iii. Energy Efficiency Concepts such as Geo-thermal cooling, thermal storage etc. should be used to reduce the air conditioning load of the buildings.*

Keeping in view the acute shortage of space in Academic Blocks & Hostels after detailed discussion and deliberation the following decision was taken:-

Phase-II construction may be divided in two stages:-

**Stage-I:-** The following Blocks to be progressed further for execution:

(i) Academic Blocks (AB-3 & AB-4): These two blocks are (ground + 7 storeyed) each and there is no scope of verticals expansion due to height limitation as per MCD norms. So these may be progressed further for execution.

(ii) Boys Hostel (H-5) and Girls Hostel (HG-6). These two Hostel Blocks are (Ground+11 storeyed).

**Stage-II: -** The following Blocks may be revised in accordance with Hon'ble Minister, PWD directions:-

(i) Academic

Building, Reception AB-4A

No. of Story

Ground+1

(ii) Hostel

Boys Hostel	H-4	(Ground+6)
* Girls Hostel	HG-5	(Ground+9)
Annapurna (Boys)	CB-2	
Annapurna (Girls)	CB-4	

**(b) Progress on other points:-**

The matter was discussed with SE, PWD and it was assured that work of resurfacing of Roads within DTU Campus shall be completed latest by 31<sup>st</sup> March, 2016.

**Agenda No.2&3**

**Annual running maintenance and operation of Civil Maintenance Works and Services at DTU Campus during 2016-17 by Engineering Cell/Project Office.**

The Building & Works Committee was informed that as per Govt. of NCT Delhi letter Number-S/Accounts/GIA/DTU/740-747, all capital works proposed to be undertaken need to be passed by the BWC. In addition, the proposed maintenance works were also placed before the BWC for their comments. Accordingly all the proposed works (both Capital and Maintenance in r/o Civil and Electrical) were placed before BWC as given below. The Committee observed that these works would need to be priorities and their estimates revised subject to funds available in the next financial year.

CIVIL WORKS		
SN	ITEM	AMOUNT (RS)
1	Academic and Administrative Area (Zone-1)	1,18,49,343/-
2	Residential Buildings (Zone – 2)	33,36,311/-
3	Boys Hostel and Sports Complex (Zone-3)	46,87,484/-
	Total	1,98,73,138/-
	Cost of other civil works ( Capital & Revenue) as per Annexure B	18,71,43,000/-
	<b>Grand Total</b>	<b>20,70,16,138/-</b>

ELECTRICAL WOKS			
SN	ITEM	AMOUNT (Rs)	
1	SH:RMO EI & Fans	87,10,968.00	
2	SH:R.M.O pumping Sets	27,92,272.00	
3	SH:R.M.O Electric Sub-Station Equipments	33,03,604.00	
4	SH:R.M.O Diesel generating Sets	40,47,688.00	
5	SH:R.M.O Fire fighting System(Wet riser, Sprinkler & down-comer system	34,04,000.00	
6	SH:R.M.O Fire Alarm System	22,28,740.00	
7	SH: Comprehensive Maintenance of DG Sets	13,63,874.00	
	Total	2,58,51,146.00	



	Contingencies @ 1%	2,58,511.00
	Total for FY 2015-16	2,61,09,657.00
	Labour Cess@1%	2,61,096.00
	Total	2,63,70,754.00
	Add 10 % Cost Escalation over F.Y.-2015-16	26,37,075.00
	Total	2,90,07,829.00
	Cost of other electrical(Capital & revenue works)	14,42,80,751.00
	<b>Grand Total for FY 2016-17</b>	<b>17,32,88,580.00</b>

**The Building & Works Committee approved the proposal.**

#### **Agenda No.4**

#### **Providing Standby arrangement between Electric Sub Station No.3&4 at Delhi Technological University.**

The proposal was explained that the DTU campus has five Sub-Stations, out of which one sub-station for main HT supply being fed from NDPL metering/cubical room and other 4 sub-station (for further distribution) are being supplied through outgoing panels installed in the main sub-station No. 5. The HT supply to the incomer of sub-stations No. 1, 2 & 3, supply can be energized through grid (Ring-main HT) from other sub-stations (Ring main). However, the Sub-station No. 4 is not connected through grid (Ring main) system at present. This sub-station is feeding LT supply to the Boys hostels (Six nos.) and newly constructed 02 Nos. IIT Pattern Lecture Halls (224 Seating capacity each) and **in case of any fault the main HT panel or incoming cable, there is no other alternative to keep the system energized and it may also take 02 to 03 days to restore the supply.** Hence it is proposed to interconnect sub-station No. 3 & 4 through HT cable of size 3x185 sq.mm. as a standby and providing additional HT panels at both sub-stations.

Estimated Cost:- Rs. 50,25,182/- (Rs. Fifty Lakh Twenty Five Thousand One Hundred and Eighty Two Only) as given by Executive Engineer(Elect), PWD,EMD,M-352.

**The Building & Works Committee approved the proposal.**

#### **Agenda No.5**

#### **Provision of passenger lift for Type-V & Type-IV Staff Flats at DTU Campus.**

The matter of provision of passenger lift was explained that request has been received from allottees (46 nos.) of Type-V flats that they are facing lot of difficulties in climbing stairs due to physical disability specially 2<sup>nd</sup> Floor and above. Parents of many allottees are residing with them and being and old age persons a lot of difficulties have been faced by them.

In view of the above, it has been proposed that a provision of lift may be made in Type-V and Type-IV Quarters. Accordingly a Preliminary Estimate has been prepared on the basis of PAR-2012 the Estimated Cost of providing lifts in Type-V & Type-IV Flats comes out to Rs.2,40,00,000/- (Rs. Two crore forty lacs only).

**The Building & Works Committee approved the proposal.**

**Agenda No.6****Outstanding Payment to Architect Consultant and Extension of the agreement for construction of Phase-II Project of DTU.**

The matter regarding outstanding payment of Architect/ Consultant was explained that he has submitted a bill for Rs.63,03,565/-.Presently, the Cabinet Note is under process with the Govt. of NCT, Delhi for approval of the proposed plans and sanction of funds. Besides, it is mentioned that the original agreement with the architect consultant was signed on 05 Feb 2010 and it extended for 18 months although the agreement mentioned about continuance of work in all stages/phases till 2014-15. The architect consultant has so far been released payment of Rs.28,96,746/- only till date. Keeping in view of the progress achieved and in terms of the agreement, so that balance payment can be released to the consultant M/s Shift.

**The Building & Works Committee approved the proposal.**

**Agenda No.7****Special repair to existing water supply, sewerage and drainage system including replacement of old damaged lines in DTU Campus.**

The above said matter was discussed that water supply lines in DTU Campus were laid more than 20 years back. These Cast Iron and G.I. pipe lines have been corroded and damaged at many locations. Water leakage and seepage becomes a regular feature due to which the pressure in pipelines gets dropped. Due to corrosion in waterlines the quality of water obtained at outlet is poor.

The drainage system at many locations is poor and water gets stagnated due to which there are chances of dengue in rainy season. Special repairs to existing drainage system, modification and replacement at many locations are required.

The Peripheral sewerage lines inside and outside DTU Campus has been settled at many locations and requires special repairs.

It is proposed to undertake the above said work. The estimated cost of replacement of these damaged pipes is Rs.1.25 crore as per Preliminary estimate prepared by Engg. Cell, DTU.

**The Building & Works Committee approved the proposal.**

**Agenda No.8****Remodelling of FOT/ Health Centre building premises for accommodating Delhi School of Management, DTU.**

Delhi School of Management in DTU presently functioning from space provided in Mechanical Engg. Deptt. The HOD/DSM informed that space provided for Delhi School of Management is inadequate for conducting Classes and accommodating DSM faculty members. From next session the intake capacity of students is going to be increased, and then it will be difficult to run classes smoothly. On request of HOD/DSM, Hon'ble V.C. visited the premises on 10.11.2015 (Minutes of the meeting issued by letter No. DTU/ENGG.CELL/GEN./2015-16/12692-100 dated: 19.11.2015 is enclosed at Page No.57 and it was decided to convert FOT area independently for Delhi School of Management after making necessary Changes/additions/alterations in the building as per requirement of DSM keeping in view structural safety of the building.

A detailed study has been carried out by Engg. Cell of DTU in consultation with an Architect and structural consultant and architectural and detailed drawings keeping in the requirements of DSM has been prepared. Accordingly an estimate covering the cost of Civil and Electrical Works to be carried out for upgradation of building premises has been prepared which comes out to Rs. 1.51 crores.

**The Building & Works Committee approved the proposal.**

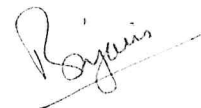
**Agenda No.9**

Any other matter with the permission of the chair.

The Chairman after discussion with committee members advised to explore the possibilities and implementation of following in DTU Campus.

- i. Drip Irrigation in green areas.
- ii. Clean and green campus (student friendly environment).

Meeting ended with thanks to the chair.



(Er. Bimal Jain)  
Executive Engineer, DTU

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All members