



Er. H.P. Singh
Executive Engineer

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

PTU PUNJAB
TECHNICAL
UNIVERSITY

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No. 1 of 1997)

Ref. No. PTU/CC-1/20

Dated 08.02.2014

Sh. D.L. Sharma, President,
Vardhman Spg. & Gen. Mills Ltd.,
Chandigarh Road, Ludhiana.

Sh. Amrit Sagar Mittal
CMD, Sonalika Tractors Ltd,
Hoshiarpur.

Dr. A. P. Singh, Dean/P&D,
Punjab Technical University,
Jalandhar.

Sh. A. N. Chowdhry (Special Invitee),
3-B, Jyoti Nagar,
Jalandhar.

Sh. Ram Paul,
Chief Engineer, Punjab PWD,
SCF 61-62, Phase-II, Mohali.

Dr. Prabhjot Kaur (Special Invitee),
Officiating Director Mohali Campus,
C102B, Phase-7 Industrial Area, Mohali.

Sh. Rajiv Aggarwal, Architect
M/s Archigroup Architects,
A-14, Sector-15, Noida -201301.

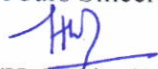
**Sub : Construction of new campuses of Punjab Technical University – 40th meeting of the
Standing Building Construction Committee.**

Dear Sir/Madam,

Please find enclosed herewith minutes of the above said meeting for kind information and further necessary action please. Comments, if any, may please be forwarded within 10 days of issue of this letter.

Thanking you

Yours Sincerely,



(H. P. Singh)
Executive Engineer

Copy to : Dr. R. S. Khandpur, DG, PGSC, SCO 60-61, Sector 34-A, Chandigarh.

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PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of the 40th Meeting of the Standing Building Construction Committee held on 21.01.2014 under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC at PTU's Mohali campus.

Committee is thankful to Hon'ble Vice Chancellor, PTU, who spared his valuable time and attended the meeting.

Following were present in the meeting:

1. Sh. A. N. Chowdhry, Chief Engineer, PWD (Retd),
 2. Sh. Jaswant Singh Pabla, Chief Engineer, PSPCL (Retd)
 3. Dr. A. P. Singh, Dean, P&D, PTU
 4. Dr. Prabhjot Kaur, officiating Director, PTU's Mohali Campus
 5. Sh. H. P. Singh, Executive Engineer, PTU.
 6. Sh. Ram Paul, Chief Engineer, PWD (B&R)
 7. Sh. B.S. Tuli, Executive Engineer, PWD (B&R), Kapurthala
 8. Sh. Rajesh Jassi, Deputy Director, DTE
 9. Sh. Rajiv Aggarwal, Architect
 10. Sh. Jeewan Kapur, Architect
 11. Sh. Linus Lopez, Electrical Consultant
 12. Sh. Madhav Deshpande, Structural consultant,
 13. Ms. Shikha Sharma, Consultant for 'Griha Rating'
- } Archigroup Architects

Item No. 40.1 : To confirm the Minutes of 39th meeting of Standing Building Construction Committee held on 23.12.2013.

As no comments had been received, the minutes of 39th meeting of Standing Building Construction Committee held on 23.12.2013 were confirmed.

Item No. 40.2 : Action taken on various items discussed during previous meetings of Standing Building Construction Committee.

It was informed by Executive Engineer/PTU that following actions have been taken on various items discussed during previous meetings of Standing Building Construction Committee:

- The requirement of electric load for the new buildings being constructed for Punjab Institute of Technology, Kapurthala has been revised by the Architect and are to be discussed in the present meeting.
- The Architect will make presentation in the present meeting for the 'Griha Rating' in respect of Electrical works of new buildings of Punjab Institute of Technology, main campus, Kapurthala.

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- The Architect has started detailed designing and estimation of External water supply, sewerage and rain water harvesting systems for Punjab Institute of Technology, Kapurthala and Nandgarh campuses as per the decisions taken in 39th meeting of Standing Building Construction Committee.
- The detailed estimate for Parking area to be developed at PTU's main campus, Kapurthala has been forwarded to Punjab PWD for vetting.
- The detailed estimate for Balance portion of boundary wall of Punjab Institute of Technology, main campus, Kapurthala has been forwarded to Punjab PWD for vetting.
- The requirements of the proposed convention centre at main campus, Kapurthala are being discussed in the present meeting.
- The detailed plans of the proposed hostels at main campus, Kapurthala are being discussed in the present meeting.
- Punjab State Council for Science and Technology was requested to submit their offer for conducting 'Energy Audit' for PTU's administrative building at main campus, Kapurthala. A visit to the site has already been made by their representative and their offer is awaited.

Item No. 40.3: To discuss the test results of non-destructive tests conducted on the existing structural members of the buildings taken over at Punjab Institute of Technology, main campus, Kapurthala and finalize the next course of action.

The case was presented by the Architect. However, the committee was of the view that more deliberations are required on this item and therefore, it was decided to defer it for the time being.

Item No. 40.4: To discuss and finalize Electric load for new buildings of Punjab Institute of Technology, main campus, Kapurthala.

After detailed discussions and deliberations, following decisions have been taken:

- i. The total electric load for the existing and buildings under construction will be 3012 KW as per the following details:
 - a) Main Administrative Block : 1300 KW.
 - b) Punjab Institute of Technology (earlier named as CAPARO Area) : 257 KW.
 - c) New buildings : 1455 KW.

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ii. The requirements of transformers will be as under:-

a) Existing :-

Main Administrative Block: 3 Nos. of 1000 KVA each (Including one standby).

Punjab Institute of Technology (earlier named as CAPARO Area) : 1 No. of 315 KVA.

b) Proposed for new buildings : 2 Nos. of 1250 KVA.

Thus, the total connected load/transformers capacity for the existing and buildings under construction will be more than 5000 KVA and therefore, 66 KVA connection will be mandatory.

iii. Application for 66 KVA electric connection to be submitted by PTU as the same will be economical on overall basis.

iv. Architect to take up the design, estimates etc. for 66 KVA sub-station.

Item No. 40.5 : To discuss and finalize 'Griha Rating' for Electrical works of new buildings of Punjab Institute of Technology, main campus, Kapurthala.

After detailed examination of the various provisions/markings system of "Griha Rating" presented by the Architect, the Committee agreed for making the following provisions/changes in the electric designs of the new buildings:

- i. Provisions for automatic on/off for street lighting to be kept.
- ii. Provisions for automatic switching off of part street lights to be kept.
- iii. Skylight area in Library to be reduced to less than 5% of the total terrace area.
- iv. Provision for 20KW solar lights to be kept.
- v. The quality of drinking water to be maintained as per BIS norms/requirements.
- vi. Provision for drip irrigation system to be kept.
- vii. Water-less urinals to be provided.
- viii. Provisions for cisterns of 7 litres capacity with two stage flushing option to be provided in all WCs.
- ix. Synthetic enamel paint conforming to 'Griha Rating' to be used.

Architect was advised to revise the plans/estimates and present the detailed recommendations in the next meeting.



Item No. 40.6 : To discuss and finalize the seating capacity of proposed auditorium of the Convention centre at University's main campus, Kapurthala.

After due deliberations and discussions, following decisions were taken:

- i. The capacity of the auditorium shall be of 800 persons.
- ii. Provision for air-conditioned VIP Banquet of 200 persons capacity to be provided. Banquet for students etc. to be made in veranda/open space near the convention centre.
- iii. Provision for 8-10 VIP car parking to be made near convention centre and general parking shall be used for other visitors.
- iv. Motorized screens and curtains to be provided.
- v. Provision for cat-walk or other suitable provision for replacement of ceiling lights to be kept.
- vi. Latest Audio-video provisions should be made.
- vii. With the substantial change in the capacity of the convention hall, the entire design and plan needs to be reworked out.

The Architect was advised to prepare fresh design/plans and present the same in the next meeting.

Item No. 40.7 : To discuss and finalize the layout plans of proposed hostels at main campus, Kapurthala.

The Committee approved the plans presented by the Architect with following amendments/suggestions:

- i. Separate entries to married accommodation hostels and girls hostels to be provided and there should be no connection between the two hostels.
- ii. There should be a separation/partition in the mess for boys of married accommodation hostel and girls hostel mess. Entry for both the mess should also be separate.
- iii. Provision for split Air-conditioners with electric metering facilities to be kept in married accommodation hostels.
- iv. The height of the parapet walls of terraces of Girls hostels should be kept higher to maintain privacy.

The meeting ended with a vote of thanks to the chair.

