



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)

PTU/CC/110

Ref. No. **Sh. D.L. Sharma**, President,
Vardhman Spg. & Gen. Mills Ltd.,
Chandigarh Road, Ludhiana.

Sh. S.L. Kaushal,
Chief Architect, Punjab (Retd),
2865, Sector 42-C, Chandigarh.

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

Er. A. K. Prabhakar,
OSD to Vice Chancellor,
Punjab Technical University, Jalandhar.

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

Er. Ashok Goyal,
CE/N-II, PWD, SCO 61-62, Phase-II,
SAS Nagar, Mohali.

Sh. P. S. Saini,
Superintending Engineer,
PGI, Chandigarh.

Sh. Inderjit Kumar (Special Invitee),
(PH Experts)
House No. 116, Phase 3B/I, Mohali.

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

The Director,
Department of Technical Education, Punjab,
Plot No. 1, Sector-36A, Chandigarh.

Dr. Buta Singh,
Dean (Acadmecis),
Punjab Technical University, Jalandhar.

The Registrar,
Punjab Technical University,
Jalandhar.

Er. Kamaljit Chopra (Sp. Invitee),
(Electrical Expert)
House No. 13, Jyoti Nagar, Jalandhar.

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

Sh. Varinder Kumar,
Executive Engineer, Construction Division-II,
PWD, Kapurthala.

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

Sub : Construction of new campuses of Punjab Technical University – 45th 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 10/02/15

(H. P. Singh)

Executive Engineer

Copy to : **Dr. R. S. Khandpur**, DG, PGSC (Retd), Science House, H. No. 2901, Phase 7,
(Sector 61), Mohali.

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Minutes of the 45th Meeting of the Standing Building Construction Committee held on 22.01.2015 under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC (Retd) at PTU's Mohali campus.

Following were present in the meeting:

1. Sh. S. L. Kaushal, Chief Architect, Punjab (Retd),
2. Sh. Kamaljit Chopra, Chief Electrical Engineer, PSEB (Retd),
3. Sh. Mohanbir Singh, Additional Director, DTE
4. Sh. P.S. Saini, Superintending Engineer, PGI

5. Dr. Buta Singh, Dean/Academics, PTU,
6. Dr. A. P. Singh, Dean (P&D), PTU,
7. Sh. H. P. Singh, Executive Engineer, PTU.

8. Sh. Ashok Goyal, Chief Engineer, North-II, PWD,
9. Sh. Varinder Kumar, XEN, PWD, Div. 2, Kapurthala,
10. Sh. Mahabir Singh, SDE, PWD, Div. 2, Kapurthala.

11. Sh. Pritpal Singh, Senior Engineer, Punjab St Council for Sc. & Technology (PSCST).
12. Sh. K. K. Singla, Process Engineer, PSCST.

From Archigroup Architects, Noida:

13. Sh. Rajiv Aggarwal, Architect
14. Sh. Jeewan Kapur, Architect
15. Sh. Satyendra Sharma, Architect
16. Sh. Linus Lopez, Electrical Consultant,
17. Sh. Sunil Gupta, Air-conditioning consultant.

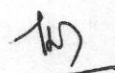
Item No. 45.1 : To confirm the Minutes of 44th meeting of Standing Building Construction Committee held on 20.10.2014.

As no comments had been received, the minutes of 44th meeting of Standing Building Construction Committee held on 20.10.2014 were confirmed.

Item No. 45.2 : Action taken on various items discussed during previous meeting of Standing Building Construction Committee.

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

- The sub-committee constituted for finalization of University's requirements for acoustic treatment finishes and audio video system for the proposed auditorium at main campus, Kapurthala has submitted their report and the same is to be discussed in the present meeting for approval.



- The sub-committee constituted for finalization of University's requirements for type of stone to be used for flooring of circulation area and VIP Banquet area of the proposed auditorium at main campus, Kapurthala has submitted their report and the same is to be discussed in the present meeting for approval.
- Based upon the concept plans approved by the building committee in respect of the proposed auditorium and hostels at main campus, Kapurthala, municipal drawings have been submitted to Chief Town Planner, Punjab for approval.
- The detailed designing of 66 KVA sub-station for main campus, Kapurthala has been taken up by the Architect.

Item No. 45.3: To discuss and approve the requirements, manufacturers/ specifications for acoustic treatment and audio video system for the proposed auditorium at main campus, Kapurthala.

In 44th meeting of the committee, a sub-committee was constituted to finalize University's requirements for acoustic treatment finishes and audio video system for the proposed auditorium at main campus, Kapurthala. The report submitted by the committee was discussed in detail and the same was approved.

Based upon the report submitted by the sub-committee and approved by the Building committee, the following estimates for these works were also approved:-

S. No.	Description of Works	Estimates sanctioned (In lacs of Rs)
1	Acoustic	70.53
2	Chairs	81.00
3	Stage Furnishing	51.99
4	Stage Lighting	36.37
5	Sound Reinforcement (Video)	11.65
Total		251.54

The estimate for the projector was not approved. The Architect was advised to explore the possibility of provision of LED screen in place of the projector. The cost comparison of the projector and LED screen is to put up in the next meeting of the committee. The estimates for speakers and amplifiers and microphones requires to be relooked into, and will be finalized later on.

Item No. 45.4: To discuss and approve the flooring patterns for circulation area and VIP banquet area of the proposed auditorium at main campus, Kapurthala.

In 44th meeting of the committee, a sub-committee was constituted to finalize University's requirements for type of stone to be used for flooring of circulation area and VIP Banquet area of the proposed auditorium at main campus, Kapurthala. The sub-committee in their report has recommended using granite for circulation area and VIP banquet area of the proposed auditorium at main campus, Kapurthala. The building committee also agreed for use of granite stone for these areas and advised Architect to prepare suitable floor patterns and detailed estimates accordingly.

[Handwritten signature]

Item No. 45.5 :

To discuss and finalize the Energy audit report of PTU's main administrative building, main campus, Kapurthla submitted by Punjab State Council for Science and Technology.

The observations/recommendations submitted by Punjab State Council for Science and Technology (PSCST) in their energy audit report were presented by the Architect. After detailed discussions and deliberations, committee has taken the following decisions:-

S. No.	Observations/ Recommendations by PSCST	Decisions taken by the committee
1	Optimize operation of transformers.	Committee felt that the scheme suggested is not commensurate with the savings as additional skilled manpower will be required for switching on/off the transformers. However, it was agreed that switching on of AC system is delayed by 1-2 hours in the morning and switching off advanced by 1-2 hours before the closing time of the office.
2	Optimize the contract demand power supply from PSPCL.	The committee agreed to the proposal. However, it was suggested that extra contract demand power supply available may be used for new buildings (under construction). The Architect was advised to put up the scheme for use of extra contract demand power supply available in the new buildings.
3	Improve overall power factor of complex to unity.	The recommendations have been accepted and PTU was advised to add capacitor banks in existing APFC panels.
4	Replace existing air cooled screw chillers with water cooled screw chiller.	It was informed by the Architect that decision to provide air cooled screw chillers was a calculated and deliberated decision. This decision was taken to save water as there is a shortage of water in the area. The existing system will be continued.
5	Replace 36 watts and 18 watts fluorescent tube lights with 18 watts and 9 watts LED tube lights.	It was agreed that LED lights shall be purchased for all future maintenance requirements and with passage of the time, all lights will automatically be replaced with LED lights.
6	Replace 150W HPSV street lights with 60 watts LED and 70W HPSV with 30 W LED street lights.	It was agreed that LED lights shall be purchased for all future maintenance requirements and with passage of the time, all lights will automatically be replaced with LED lights.
7	Optimize power consumption of lighting by automation.	Before considering the proposal, Committee suggested that implication of sensors proposed must be studied for which PSCST was advised to provide literature/ specifications of the proposed sensors.

Committee suggested for provision of solar power system by PTU in their main campus, Kapurthala with a provision of supplying electricity to main grid system.

It was also suggested by the committee that a senior officer from PTU should be nominated to implement the Energy audit report.

Item No. 45.6 : To discuss and approve the master plan of main campus, Kapurthala after including International Resource Center-Universal Human Values & Ethics (IRC-UHVE) centre established at existing Lal Kothi.

After detailed discussions, committee approved master plan of main campus, Kapurthala after including International Resource Center-Universal Human Values & Ethics (IRC-UHVE) centre established at existing Lal Kothi. However, it has also been decided that this centre should be shifted to the main academic area of the University after completion of construction of the academic area. The buildings presently being used by International Resource Center-Universal Human Values & Ethics may be used for some other purpose. It was also suggested that the existing boundary wall of this centre may be dismantled so that this become a part of the main campus.

Item No. 45.7 : To discuss and approve the layout and estimate for construction of internal road connecting existing road near main gate to International Resource Center-Universal Human Values & Ethics (IRC-UHVE).

After detailed deliberations, committee approved construction of approach road from Administrative building to International Resource Center-Universal Human Values & Ethics (IRC-UHVE) centre from proposed residential area side in the campus. It was decided that paver blocks should be used for construction of this approach road.

Item was discussed with the permission of the Chair.

Item No. 45.8 : Payment of fee to the Architect for preparation of building plans of proposed Auditorium and hostels at main campus, Kapurthala.

After detailed deliberations, committee advised Executive Engineer, PTU to put up the case in the next meeting with details and basis of payments made earlier for similar cases.

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

157