



Er. H. P. Singh
Executive Engineer

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਕਪੂਰਠਲਾ
PTU PUNJAB
TECHNICAL
UNIVERSITY
1549, Lingga, Punjab Technical University, Jalandhar
(Punjab Act No. 1 of 1997)

Dated 08.01.2015

Ref. No.

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

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

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

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

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

Er. Kamaljit Chopra (Sp. Invitee),
(Electrical Expert)
13, Jyoti Nagar, Jalandhar.

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

**Sub : Construction of new campuses of Punjab Technical University - 45th meeting of
the Standing Building Construction Committee.**

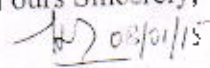
Dear Sir/Madam,

45th meeting of the Standing Building Construction Committee shall be held under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC (Retd) at 1130 hours on 22.01.2015 at PTU's Mohali campus at C-102/B, Industrial Area, Phase VII, (Sector-119), Mohali - 160 059 (Punjab). Agenda and Agenda note for the meeting are enclosed.

You are requested to make it convenient to attend the meeting.

Thanking you

Yours Sincerely,


(H. P. Singh)

Executive Engineer

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

Punjab Technical University Jalandhar

Kapurthala Campus : Jalandhar-Kapurthala Highway, Kapurthala-144601

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Sub : Agenda for the 45th meeting of the Standing Building Construction Committee.

- Item No. 45.1 : To confirm the Minutes of 44th meeting of Standing Building Construction Committee held on 20.10.2014.
- Item No. 45.2 : Action taken on various items discussed during previous meeting of Standing Building Construction Committee.
- 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.
- 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.
- Item No. 45.5 : To discuss and finalize the Energy audit report of PTU's main administrative building, main campus, Kapurthala submitted by Punjab State Council for Science and Technology.
- 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) established at existing Lal Kothi.
- 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).
- Item No. 45.8 : Any other point with the permission of the Chair.



PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Agenda Note for the 45th meeting of the Standing Building Construction Committee.

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

The minutes of 44th meeting of Standing Building Construction Committee held on 20.10.2014 were circulated on 27.10.2014. The minutes circulated are to be confirmed.

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

Actions taken on various items discussed during previous meeting of Standing Building Construction Committee are as under:

- 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 committee has submitted their report (placed at Annexure-A). Based upon this report, the Architect will be making the presentation.

The matter is placed before the Committee for discussions and approval please.



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 committee has submitted their report (placed at Annexure-B). Based upon this report, the Architect will be making the presentation.

The matter is placed before the Committee for discussions and approval please.

Item No. 45.5 : To discuss and finalize the Energy audit report of PTU's main administrative building, main campus, Kapurthala submitted by Punjab State Council for Science and Technology.

In 39th meeting of the committee, it was decided that Energy audit of PTU's main administrative building, main campus, Kapurthala will be got done from Punjab State Council for Science and Technology. Accordingly, the energy audit has been done by Punjab State Council for Science and Technology and submitted draft audit report (placed at Annexure-C). The observations/recommendations made by Punjab State Council for Science and Technology in their audit report will be presented by the Architect.

The matter is placed before the Committee for discussions and approval of the report please.

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.

Punjab Technical University has established International Resource Center-Universal Human Values & Ethics (IRC-UHVE) centre after renovation of existing building of Lal Kothi at main campus, Kapurthala. The Architect will be making a presentation on the master plan of main campus, Kapurthala after including this centre in the plan.

The matter is placed before the Committee for discussions and approval of the revised master plan please.

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).

Punjab Technical University has established International Resource Center-Universal Human Values & Ethics (IRC-UHVE) centre after modifying the existing building of

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Lal Kothi at main campus, Kapurthala. Presently, there is no access road to this centre from the main campus. Architect will be making a presentation of the layout and estimate for an approach road to this centre from the main administrative building.

The matter is placed before the Committee for discussions and approval of layout and estimate of the proposed approach road please.

Item No. 45.8 : **Any other point with the permission of the Chair.**

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ANNEXURE-A

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of the meeting held on 12.11.2014 in the office of Superintending Engineer, PGI, Chandigarh to finalize the University's requirements in respect of acoustic treatment finishes and Audio Video System for the proposed auditorium at PTU's main campus, Kapurthala.

1.0 In terms of OSD to VC/PTU's order dated 04.11.2014, a committee consisting of following members was constituted to finalize University (PTU)'s requirements in respect of acoustic treatment finishes and Audio Video System for the proposed auditorium at PTU's main campus, Kapurthala:

1. Dr. Buta Singh, Dean/Academics, PTU
2. Sh. P.S. Saini, Superintending Engineer, PGI, Chandigarh
3. Executive Engineer, PTU
4. Executive Engineer, PWD, Construction Division 2, Kapurthala
5. Sh. Rajiv Aggarawal, Architect.

2.0 Following members were present in the meeting held in this regard on 12.11.2014 :

1. Dr. Buta Singh, Dean/Academics, PTU (On telephone)
 2. Sh. P.S. Saini, Superintending Engineer, PGI, Chandigarh
 3. Er. H. P. Singh, Executive Engineer, PTU
 4. Sh. Mahabir Singh, SDO/PWD on behalf of Executive Engineer, PWD, Construction Division 2, Kapurthala
 5. Sh. Rajiv Aggarawal, Architect.
 6. Sh. Jeewan Kapur, Architect
 7. Sh. Satyendra Sharma, Architect
 8. Sh. Nitin Gupta, Sound Reinforcement expert
- } Archigroup Architects, Noida.

3.0 After detailed discussions and deliberations, committee recommends the following:-

1. Acoustics:

Internal finishes including the materials to be used were discussed and the following were agreed considering the least maintenance and the economics:

- i. Wall paneling up to Dado: Wood based panels with linear perforations. It was agreed that panels with grooves at 32/64mm c/c would be used.
- ii. Wall paneling above Dado: Fibral Stoff Panels
- iii. False-ceiling – glass wool based acoustical ceiling tiles.
- iv. Chairs: Godrej chairs may be preferred.



2. Audio Video systems:

- i. Video: Option 2 would be adopted (copy placed below).
- ii. Microphones and fittings: the numbers would be changed as follows:

a. Gooseneck	4
b. Wireless hand held	5
c. Lapel microphone	2
d. Headset microphone	Not required
e. Wide band antenna	2
f. Omni directional antenna UHF 2	
g. Dynamic vocal microphone	4
h. Dynamic instrument microphone	2
i. DI Box	2

Other time shall remain the same

- iii. Projector: to be brought in the middle of the auditorium using a projector lift the lumen requirement and cost estimate shall be revised by the Architect accordingly.
- iv. Sound: Option 1 of line array system to be adopted (copy placed below).

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ANNEXURE-B

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of the meeting held on 21.11.2014 under the Chairmanship of Dr. A. P. Singh, Dean/RIC, PTU in his to finalize the University's requirements for type of stone to be used for flooring in circulation area for the proposed auditorium at PTU's main campus, Kapurthala.

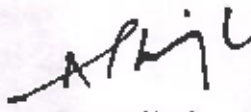
1.0 In terms of OSD to VC/PTU's order dated 04.11.2014, a committee consisting of following members was constituted to finalize University (PTU)'s requirements for type of stone to be used for flooring in circulation area and VIP banquet area for the proposed auditorium at PTU's main campus, Kapurthala:

1. Dr. A. P. Singh, Dean/RIC, PTU
2. Dr. Rajneesh Sachdev, Registrar, PTU,
3. Executive Engineer, PTU
4. Executive Engineer, PWD, Construction Division 2, Kapurthala
5. Sh. Rajiv Aggarawal, Architect.

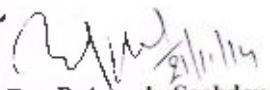
2.0 Following members were present in the meeting held in this regard on 21.11.2014 :

1. Dr. A. P. Singh, Dean/RIC, PTU
2. Dr. Rajneesh Sachdev, Registrar, PTU,
3. Er. H. P. Singh, Executive Engineer, PTU
4. Sh. Mahabir Singh, SDO/PWD on behalf of Executive Engineer, PWD, Construction Division 2, Kapurthala
5. Sh. Rajiv Aggarawal, Architect.] Archigroup Architects, Noida.
6. Sh. Nitin, Architect

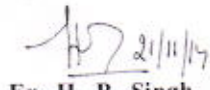
3.0 After detailed discussions and deliberations, committee recommends use of complete granite stone for flooring in circulation area and VIP banquet area for the proposed auditorium at PTU's main campus, Kapurthala.



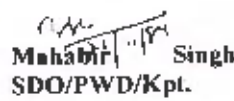
Dr. A. P. Singh
Dean/RIC/PTU



Dr. Rajneesh Sachdev,
Registrar, PTU.



Er. H. P. Singh,
E.E./PTU



Mahabir Singh
SDO/PWD/Kpt.



Rajiv Aggarawal,
Architect

ANNEXURE-C



Construction Cell

Receipt No. 902. 05/11/14

From To: ehd'

Phone : 91-172-2792325,2795001

Fax : 91-172-2793143

Website : www.pscst.gov.in

Punjab State Council for Science & Technology

A Scientific & Industrial Research Organization approved by DSIR & Central Govt.
under Clause (ii) of Sub-Section (1) of Section 35 of Income Tax Act, 1961

(A State Govt. Undertaking)

MGSIPA Complex, Institutional Area, Sector 26, Post Box No. 727, Chandigarh-160 019 (India)

Ref. No. : PSCST/02/369

Dated 30/10/2014

Registrar,
Punjab Technical University,
Jalandhar-Kapurthala Highway,
Kapurthala

Subject: Energy Audit of PTU's Administrative Building at Kapurthala.

I am grateful to Punjab Technical University (PTU) for awarding the work of carrying out detailed energy audit of its complex at Kapurthala. PSCST has completed the field audit and has recommended 8 energy saving options based on the energy conservation measures (ECM) identified during audit. A summary of annual savings identified is as below:

Short term energy saving proposals (5 nos.)

- Annual Savings with zero investment (2 nos.) : Rs. 8.60 lacs
- Annual Savings with investment of Rs. 2.0 lacs (3 nos.) : Rs. 2.64 lacs

Long term energy saving proposals

- Annual Savings with investment of Rs. 47.55 lacs (3 nos.) : Rs. 20.52 lacs

I am enclosing copy of draft detailed energy audit report for perusal and comments. Further, before finalizing the report, findings & comments can be discussed with implementation team at mutual convenient date & venue, preferably in mid November, 2014.

With regards,

DA: Draft Report


29/10/14
Additional Director