



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/EC/961

Dated 27.10.2014

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.

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

Er. Jaswant Singh Pabla (Sp. Invitee),
(Electrical Expert)
House No. 2631, Sector-79, Mohali.

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

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

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

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

The Registrar,
Punjab Technical University,
Jalandhar.

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, First Floor, Sector-15, Noida -201301.

Sub : Construction of new campuses of Punjab Technical University – 44th 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
27/10/14

(H. P. Singh)

Executive Engineer

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

The Secretary to VC - for kind information of Hon'ble V.C.
By the office send

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PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of the 44th Meeting of the Standing Building Construction Committee held on 20.10.2014 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. A. N. Chowdhry, Chief Engineer, PWD (Retd),
3. Sh. H. P. Singh, Executive Engineer, PTU.

From Archigroup Architects, Noida:

4. Sh. Rajiv Aggarwal, Architect
5. Sh. Jeewan Kapur, Architect
6. Ms. Perna Sharma, Architect
7. Sh. Nitin Gupta, Consultant, Video Projection and Sound Reinforcement system
8. Sh. Ajay Wats, Consultant, Acoustic and Street Lighting.

Item No. 44.1 : To confirm the Minutes of 43rd meeting of Standing Building Construction Committee held on 01.08.2014.

As no comments had been received, the minutes of 43rd meeting of Standing Building Construction Committee held on 01.08.2014 were confirmed.

Item No. 44.2 : Action taken on various items discussed during previous meetings 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 manufacturers/specifications for acoustic treatment for proposed auditorium at main campus, Kapurthala are to be presented in the present meeting for discussions and approval.
- The flooring patterns for circulation area and VIP Banquet hall of auditorium proposed to be constructed at main campus, Kapurthala are to be presented by the Architect in the present meeting for discussions and approval.
- The comments offered by the committee for Stage lighting system, Sound reinforcement system and audio video system have been incorporated in the design/scheme and the detailed estimate is being presented in this meeting.

1. Dr. A. P. Singh, Dean/P&D, PTU
2. Dr. Rajmohan Sachdev, Registrar, PTU
3. Executive Engineer, PTU
4. Executive Engineer, PWD, Construction Division 2, Kapurthala
5. Sh. Rajiv Aggarwal, Architect

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Item No. 44.3: To discuss and approve the manufacturers/specifications for acoustic treatment and audio video system for the proposed auditorium at main campus, Kapurthala.

The Architect presented the various options available in respect of the materials, specifications, their finishes, costs etc. for acoustic treatment and audio video system. After detailed discussions and deliberation, the committee was of the opinion that before taking any decision in this regard, University must finalize its requirements for acoustic treatment finishes and audio video system. Accordingly, the committee decided to appoint following sub-committee to finalize the University's requirements in respect of acoustic treatment finishes and Audio Video System:-

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.

Item No. 44.4: To discuss and approve rough cost estimate for proposed auditorium at main campus, Kapurthala.

After detailed discussions and deliberations, the committee approved the rough cost estimate based upon plinth area rates of CPWD for Civil, Electrical, Public Health, Fire fighting and air-conditioning works amounting to Rs. 1720.59 lacs. As regards, the estimates for other specialized items such as Acoustic treatment, Stage lighting, Sound reinforcement system, Audio video presentation etc. the same shall be finalized after receipt of requirements from University (Agenda item No. 44.3 above).

However, for the time being, payment to the Architect may be released by considering 70% of this cost (Rs. 1720.59 lacs) as detailed estimates being prepared on the basis of Punjab PWD CSR are always lower than the estimates prepared on the basis of plinth area rates of CPWD.

Item No. 44.5 : To discuss and approve the flooring patterns for circulation area and VIP Banquet area of auditorium proposed to be constructed at main campus, Kapurthala.

The Architect presented various flooring patterns by using kota stone, marble, granite and their combinations alongwith their cost implications. The committee is of the view that some hard stone should be used for these areas. However, there is a huge difference in the cost of kota/marble stone and granite stone. After detailed discussions and deliberation, the committee is of the opinion that before taking any decisions in this regard, it will be appropriate that University finalizes its requirements for the type of the stone to be used for these areas. Accordingly, the committee decided to appoint following sub-committee to finalize the University's requirements for the type of the stone to be used for these areas:-

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

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Item No. 44.6 : To discuss and approve the revised estimate for construction of boundary wall of Punjab Institute of Technology, Mansa.

The Architect informed committee that there has been increase in the cost of work of boundary wall of PIT, Mansa on account of the followings:

1. The estimate approved in 30th meeting (Agenda item No. 30.7) of the Standing Building Construction Committee for this work for an amount of Rs. 300.0 lacs was based upon a tentative design prepared by the Architect and there has been a substantial change in the design as per actual site conditions/geo-technical investigations. There has been substantial increase in size of the foundations from that considered at the time of preparation of original estimate.
2. The length of boundary wall has increased from 4224 metre to 4870 metre on account of a mistake by the Architect at the time of preparation of original estimate as length of boundary wall for one site was not included in the estimate. Moreover, there has been increase in length of boundary wall as per site conditions. Additional boundary wall is being constructed all-around one acre of land, which has not been acquired by Punjab Govt. and this land is falling in between PTU's land.

After reviewing the earlier decisions taken by the committee in this regard and considering the reasons for increase in the cost, committee approved the revised estimated cost for the boundary wall works of PIT Mansa for an amount of Rs. 409.27 lacs. plus price variations payable to the contractor as decided earlier. It was also agreed by the committee that works may be got executed from the existing contractor at already accepted rates to avoid trespasses, encroachments and misuse of the area as without completing the boundary wall works, the whole area will remain open.

Item No. 44.7 : To discuss and approve the design basis reports submitted by the Architect for Structure, Electrical and Public Health works in respect of Punjab Institute of Technology, Arniwala, Fazilka.

After detailed discussions and deliberations, committee decided as under:

1. Structure:

The report presented by the Architect has been approved.

2. Electrical Works:

- i. As the maximum demand load is only 40 KW for the proposed construction, LT connection will be taken.

- ii. Provision of DG set of 25KVA capacity.

[Handwritten signature]

3. Public Health Works:

a) Water supply system:

- i. Provision of Underground reservoir (UGR)
- ii. Treatment of raw water near UGR.
- iii. Pumping of water after treatment directly to overhead PVC tanks to be installed at terrace of the building.

b) Sewerage system:

- i. Provision of 15 KLD overhead STP with FAB technology.

In addition to the above, committee reviewed its earlier decisions taken for PIT Arniwala and decided as under:

- i. Plinth level of the buildings should be kept minimum 300mm above the main highway running in front of the institute.
- ii. The buildings proposed to be constructed now should be constructed in front area of the campus.
- iii. No filling of earth is to be done for open areas around the buildings.

Following table item was discussed with the permission of Chair:

Item No. 44.8 To discuss and approve the Electric load of Hostels and auditorium proposed to be constructed at main campus, Kapurthala.

In 42nd meeting of the committee, it was decided that calculation of electric loads for proposed hostels and auditorium may be re-examined. Accordingly, the same has reviewed and presented by the Architect in the meeting. After detailed discussions and deliberations, committee approved the following:-

- i. Total demand load of 1123 KVA.
- ii. Provision of 3 transformers of capacity 400 KVA each.

As the total demand load of the University has increased to more than 4 MVA, the committee directed that planning for 66 KVA sub-station is done on priority. Location proposed by the Architect for housing 66 KVA sub-station in about 1000 Sqm. area near the existing metering house was also approved by the committee.

Executive Engineer

Copy to: Dr. R. S. K. The meeting ended with a vote of thanks to the chair.
(Sector 61), Mohali.



Punjab Technical University Jalandhar

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