



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/219/25206

Dated 17/3/11

Sh. Chander Mohan,
House No. 202, Sector 36-A, Chandigarh.

Sh. S.L. Kaushal,
Advisor/Architecture,
2865, Sector 42-C, Chandigarh.

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

Dr. Nachattar Singh,
Advisor to VC and Dean (P&D),
Punjab Technical University, Jalandhar.

Sh. H.S. Bains,
Registrar, Punjab Technical University, Jalandhar.

Dr. Buta Singh (Special Invitee),
Dean (Academics), Punjab Technical University, Jalandhar.

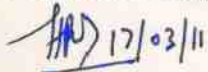
Sub : Construction of new campus of Punjab Technical University – 23rd meeting of the Standing Building Construction Committee.

Dear Sir,

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,

 17/03/11

(H. P. Singh)
Executive Engineer

Copy to :

- i. Dr. R. S. Khandpur, Director General, PGSC, SCO 60-61, Sector 34-A, Chandigarh for kind information please.
- ii. Sh. Rajiv Aggarwal, M/s Archigroup Architects, A-14, Sector-15, Noida -201301 for kind information and necessary action please.

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Punjab Technical University Jalandhar

Kapurthala Campus : Jalandhar-Kapurthala Highway, Post Bag No. 01, Kapurthala.

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PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of the 23rd Meeting of the Building Construction Committee held on 15.03.2011 under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC in his office at Chandigarh.

Present :

1. Sh. Chander Mohan, Member, BOG
2. Sh. S.L. Kaushal, Chief Architect (Retd.), Punjab
3. Sh. Mohanbir Singh, Additional Director, DoTE, Punjab
(Representing Director, Technical Education and Industrial Training, Punjab).
4. Sh. H.S. Bains, Registrar, PTU
5. Dr. Buta Singh, Dean (Academics), PTU
6. Sh. H. P. Singh, Executive Engineer, PTU
7. Sh. Rajiv Aggarawal, Architect, Archigroup Architects, Delhi.

Item No. 23.1 : To confirm the Minutes of 22nd meeting of Standing Building Construction Committee held on 09.02.2011.

The minutes of 22nd meeting of Standing Building Construction Committee held on 09.02.2011 were confirmed by all the members.

Item No. 23.2 : Action taken on various items discussed during 22nd meeting of Standing Building Construction Committee.

The action taken/latest position of various items discussed during the previous meetings of Standing Building Construction committee is as under:-

- The press advertisement for recruitment of one Asstt. Executive Engineer (Civil) and one Asstt. Engineer (Civil) required for construction cell will be published alongwith press advertisement being published for other posts.
- It was informed by EE that nomination of committee for finalization of requirement of staff quarters and their specifications and finishes will be taken up after finalization of requirements and plans of other proposed campus at Main campus, Mansa and Mohali.

However, the Committee was of the view that PTU may finalize the requirements of staff quarters and their specifications but the works may be taken up as and when required. It has also advised that a survey may be conducted to ascertain whether PTU officers/staff are willing to stay at PTU campus or not.

- EE informed that the Architect visited PTU's main campus on 16.02.2011 & 17.02.2011 and had detailed discussions with Dean/Academics and finalized the various requirements for the proposed building for PIT at Kapurthala..

Item No. 23.3 : To discuss and finalize the layout plans and other details of the proposed building for establishment of Punjab Institute of Technology at University Campus, Kapurthala.

The requirements for establishment of Punjab Institute of Technology at University Campus, Kapurthala were finalized during 21st meeting of Standing Building Construction Committee and conceptual plan based upon these requirements were approved in principle during the 22nd meeting.

During 22nd meeting, it was decided that Dean/Academics may study the proposed plans to ensure that all the requirements for establishment of campus for PG courses are met in the proposed building plans. It was also agreed that a discussions may be held between the Architect and PTU team to finalize the further requirements/provisions to be made in the institute before putting up the same before the 'Standing Building Construction Committee'. The Architect visited PTU's main campus on 16.02.2011 & 17.02.2011 and had detailed discussions with Dean/Academics. It was decided to have the following provisions:

- Provision for electric load of 25 KW per lab for ground floor; 20 KW per lab for first floor and 15 KW per lab for all subsequent floors may be kept. However, connected load will be taken, as required.
- Data networking to be provided for all the spaces.
- Water supply and disposal points at a couple of locations may be considered for all the labs except for the computer labs.
- The plans as proposed meet the requirements of the university and may be considered for approval.
- No basement to be provided in this building so that heavy machines can be installed on ground floor;
- Provision of double basement (two floors) may be considered in the parking area and under adjoining building in the subsequent phases for about 1000 cars (350 @ each basement and 300 on the surface)
- A central library of about 30-35,000 sft may be considered to form the academic hub. This building may include a students' canteen on ground floor. A few small convenient shops like photocopier, stationery etc. may also be included. The concept similar to the one in the Guru Gobind Singh Indraprastha University may be considered. The architects will prepare a conceptual plan including the library building in the master plan for discussion in the next Standing Building Committee meeting.
- Two seminar halls of 150 seats each and one of 250 may be considered in the whole master plan in place of four seminar halls of 150 seats each proposed earlier. Construction of one seminar hall of 150 seats will be included in this phase of construction.

Based upon the above finalized requirements, the Architect presented the revised layout plans of the institute in the present meeting.

After discussions and deliberations, the plans presented by the Architect were approved subject to the following:-

- i. Seminar hall will be shifted to left side to the extent possible.
- ii. Toilet blocks protruding inside the library will be taken out so that layout of the library remains in true oval shape for better aesthetic look.

In addition to the above, following was also decided:

- i. Presently, construction of two towers, library cum canteen building and one seminar hall will be taken up. Library will have G+2 floors without basement.
- ii. No basement is to be constructed for Ist block (housing Mechanical Department Lab at ground floor) and whereas, all other blocks will have the basements.
- iii. Parking area will have two tier basements for parking. This will take care of future requirements of parking. However, construction of these basements will be taken up subsequently.
- iv. Finishing (Outside and Inside) of the buildings will be decided in due course of time.
- v. Library will be air-conditioned preferably with AC towers. There should be 24x7 power back-up for Library. The possibility of provision of heating system in the building may be considered.
- vi. Provision for Air-conditioning of canteen in future may be kept.
- vii. No water body is to be provided in the seminar hall.

The architects were advised to start work on the services.

Item No. 23.4 : To discuss and finalize the procedure to be adopted for appointment of Architect for Architectural services for establishment of new Punjab Institute of Technology at Mansa, Ludhiana & Barnala and PTU's Regional Campus at Mohali.

The procedure to be adopted for appointment of Architect for Architectural services for establishment of new Punjab Institute of Technology at Mansa, Ludhiana & Barnala and PTU's Regional Campus at Mohali and other future works was discussed in detail. After examining the various options presented in the meeting, it was decided that appointment of the Architect will be done on the basis of 'Quality and Cost Based Selection'. It was also informed that while appointing Architect, World Bank is also following the similar procedure. Recently, tenders floated by SLIET for appointment of Architect also have the similar basis of selection.

Broadly, the following procedure will be followed:

- Bids from interested Architects will be invited through press advertisement in two packets - one containing Technical Bid and other Financial Bid.
- Technical Bids will be opened in 1st phase and based upon their profile like Relevant Experience of the firm, Organization structure, Key officials and their professional experience etc., scores/marks will be given.
- The Financial bids of the Architects having scored minimum qualifying marks will be opened. The financial bids of the Architect not qualified will be returned unopened.



- The overall score of the Architect (Technical and Financial) will be calculated as under:

The marks obtained in Technical bid evaluation will be treated as Technical scores (S_T) and whereas, financial scores (S_F) will be calculated as under:

$$S_F = 100 \times \frac{F_m}{F}$$

F_m – Lowest bid received.

F - Price quoted by the bidder under consideration.

Following weightage will be considered for working out the overall scores:

Weightage for Technical scores : 0.80

Weightage for Financial scores : 0.20

The overall scores (S_o) of the bidders shall be calculated as under:

$$S_o = 0.80 \times S_T + 0.20 \times S_F$$

The firm/Architect achieving the highest overall scores will be considered for award of work/negotiations.

However, it was advised to Executive Engineer/PTU to prepare a draft tender document for the above containing detailed criteria for evaluation of the credentials, marking system and short-listing etc. It was suggested that some weightage may be kept for presentation by the architects in the Evaluation Criteria.

The draft tender document will be discussed and considered for approval in the next meeting of Standing Building Construction Committee.

Item No. 23.5 : Provision of 'First Aid Room' at PTU's main campus:

Noted.

Following additional points were also discussed with the permission of Chair:

Item No. 23.6 : Standardization of Boundary Wall Pattern/Design for all the institutes of PTU:

It was brought to the notice of the committee that PTU is in the process of establishing Punjab Institute of Technology and Punjab Institute of Management at various locations in Punjab. Land for establishment of these institutes is being made available by Punjab Govt. It was proposed that PTU may be allowed to follow the pattern/design of the boundary wall for all the new institutes as has been adopted for PTU's main campus at Jalandhar-Kapurthala Road. This was agreed to by the Committee.



Item No. 23.7 : To approve recruitment of technical staff for Construction cell:

It was brought to the notice of the committee that PTU is in the process of establishing Punjab Institute of Technology and Punjab Institute of Management at various locations in Punjab. Land for establishment of PIT at Mansa is being made available by Punjab Govt in few days and construction of boundary wall will be taken up on priority for this institute. It was proposed that one Assistant Engineer (Civil) may also be recruited for this work. This was agreed to by the Committee.

