



Er. H.P. Singh  
Executive Engineer

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ  
**PTU** PUNJAB  
TECHNICAL  
UNIVERSITY

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

Ref. No. PTU/CC/266

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.

Er. P. S. Saini,  
Superintending Engineer,  
PGL, Chandigarh.

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

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

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

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

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

The Registrar,  
Punjab Technical University,  
Jalandhar.

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

Sh. Inderjit Kumar (Special Invitee),  
(PH Experts) House No. 116, Phase 3B/1,  
S.A.S. Nagar, Mohali.

Er. Varinder Kumar,  
Executive Engineer, Const. Div-II,  
PWD, Kapurthala.

Dated 30.03.2015

Sub : Construction of new campuses of Punjab Technical University – 46<sup>th</sup> meeting of the  
Standing Building Construction Committee.

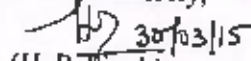
Dear Sir/Madam,

46<sup>th</sup> 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 09.04.2015 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

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

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Punjab Technical University Jalandhar  
Kapurthala Campus : Jalandhar-Kapurthala Highway, Kapurthala-144601  
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# PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Sub : Agenda for the 46<sup>th</sup> meeting of the Standing Building Construction Committee.

- Item No. 46.1 : To confirm the Minutes of 45<sup>th</sup> meeting of Standing Building Construction Committee held on 22.01.2015.
- Item No. 46.2 : Action taken on various items discussed during previous meeting of Standing Building Construction Committee.
- Item No. 46.3 : To discuss and finalize the provision of projector or LED screen for the proposed auditorium at main campus, Kapurthala.
- Item No. 46.4 : To discuss and approve the estimate for speakers, amplifiers and microphones for the proposed auditorium at main campus, Kapurthala.
- Item No. 46.5 : To discuss and finalize the provision of LED lights in place of CFL lights in college buildings and library building (under construction) of Punjab Institute of Technology, main campus, Kapurthala.
- Item No. 46.6 : To discuss and approve the revised layout plan of proposed buildings for Punjab Institute of Technical Teachers Training and Research (PITTTR) at Ladowali Road, Jalandhar.
- Item No. 46.7 : To discuss and finalize the fee payable to the Architect for preparation of building plans of auditorium and hostels proposed at main campus, Kapurthala.
- Item No. 46.8 : To discuss and approve the start of construction works of proposed college buildings at Punjab Institute of Technology at Arniwala and Sikhwala.
- Item No. 46.9 : To discuss and approve the estimate for painting of boundary walls Punjab Institute of Technology, Mansa.
- Item No. 46.10 : To discuss and approve authorization to PWD for taking Environmental Clearance for construction of proposed auditorium and hostels buildings at main campus, Kapurthala.
- Item No. 46.11 : Any other point with the permission of the Chair.

## PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

**Agenda Note for the 46<sup>th</sup> meeting of the Standing Building Construction Committee.**

**Item No. 46.1 : To confirm the Minutes of 45<sup>th</sup> meeting of Standing Building Construction Committee held on 22.01.2015.**

The minutes of 45<sup>th</sup> meeting of Standing Building Construction Committee held on 22.01.2015 were circulated on 10.02.2015. The minutes circulated are to be confirmed.

**Item No. 46.2 : 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:

- Based upon the concept plans approved by the building committee in respect of the proposed auditorium and hostels at main campus, Kapurthala, the municipal drawings have been approved by Chief Town Planner, Punjab.
- The Architect will be making a presentation in the present meeting on cost comparison of projector and LED screen to be provided for the proposed auditorium at main campus, Kapurthala.
- The detailed estimate for provision of speakers, amplifiers and microphones to be provided for the proposed auditorium at main campus, Kapurthala will be presented by the Architect in the present meeting for discussions and approval.
- The issue pertaining to payment to the Architect against preparation of building plans for the proposed auditorium and hostels at main campus, Kapurthala is to be discussed in the present meeting.

**Item No. 46.3: To discuss and finalize the provision of projector or LED screen for the proposed auditorium at main campus, Kapurthala.**

In 45<sup>th</sup> meeting of the committee (agenda item No. 45.3), Architect was advised to explore the possibility of provision of LED screen in place of projector for the proposed auditorium at main campus, Kapurthala. Accordingly, the Architect has forwarded an offer for provision of LED screen for an amount of Rs. 330.75 lacs. (placed at Annexure-A). The Architect will be making a presentation of the comparison of cost of projector and LED screen.

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



**Item No. 46.4:** To discuss and approve the estimate for speakers, amplifiers and microphones for the proposed auditorium at main campus, Kapurthala.

In 45<sup>th</sup> meeting of the committee (agenda item No. 45.3), it was advised by committee that estimates for speakers, amplifiers and microphones for the proposed auditorium at main campus, Kapurthala should be re-examined. The Architect will be making a presentation of the estimates of these items.

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

**Item No. 46.5 :** To discuss and finalize the provision of LED lights in place of CFL lights in college buildings and library building (under construction) of Punjab Institute of Technology, main campus, Kapurthla.

In 45<sup>th</sup> meeting of the committee (agenda item No. 45.5), while discussing the energy audit report of PTU's main administrative building, it was suggested by committee that possibility of providing LED lights in college buildings and library building (under construction) of Punjab Institute of Technology, main campus, Kapurthla may be explored.

In this regard, it is submitted that in the approved estimates and works awarded to the contractors by PWD, there is provision of CFL lights. The extra financial implication for replacing the CFL lights with LED lights has been worked out by PWD and the Architect separately, which are as under. The payback period worked out by the Architect is also shown:

S. No.	Building	Amount as per approved estimate	Additional Financial Implication worked out by		Payback Period
			PWD	Architect	
1	College Building-I and Seminar Hall.	Rs. 63.31 lacs	Rs. 70.81 lacs	Rs. 78.02 lacs	25 years
2	College Building-II and Library	Rs. 104.53 lacs	Rs. 101.46 lacs	Rs. 113.76 lacs	22 years
3	College Building-III, Hostels & Director Office	Rs. 36.23 lacs	Rs. 58.58 lacs		
<b>Total</b>		<b>Rs. 204.07 lacs</b>	<b>Rs. 230.85 lacs</b>		

(Details are placed at Annexure-B)

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

**Item No. 46.6 :** To discuss and approve the revised layout plan of proposed buildings for Punjab Institute of Technical Teachers Training and Research (PITTTR) at Ladowali Road, Jalandhar.

Two acres of land was transferred by Punjab Govt. to PTU at Ladowali road, Jalandhar for establishment of Punjab Institute of Technical Teachers Training and Research (PITTTR). The concept plans for this proposed institute were approved in 37<sup>th</sup> meeting (Agenda item No. 37.3) of the building committee.

*Handwritten signature/initials*

Earlier, it was planned that entrance for this institute will be kept from Master Tara Singh Nagar, which is a residential area. During one of the discussions held with Municipal Corporation, Jalandhar, it was informed by them that building plans will not be approved if entrance of the institute will be from Master Tara Singh Nagar, being residential area and having road width less than the required width. Whereas, on other side of this institute, there exists Guru Nanak Dev University's campus. To have access of proposed PITTR from GNDU side, a meeting was held under the chairmanship of Principal Secretary, Technical Education, Punjab, wherein it was decided that the entrance road from GNDU campus side will be shared between PTU and GNDU but land equivalent to the 50% of the area of the road being shared will be transferred by PTU from its allotted land to GNDU. On the basis of this decision, land area of about 612 Sqm. will be shifted from PTU area to GNDU for sharing of access road. Based upon the revised area available, the Architect has revised the site plan and being presented in the meeting. However, the building plans shall be got approved from Municipal Corporation, Jalandhar with allotted land area of two acres only.

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

**Item No. 46.7 :** To discuss and finalize the fee payable to the Architect for preparation of building plans of auditorium and hostels proposed at main campus, Kapurthala.

In 45<sup>th</sup> meeting of the committee (agenda item No. 45.8), it was advised by the committee that details and basis of payments made earlier for preparation of building plans (similar cases) is put up in the next meeting. In this regard, it is informed that following payments have been made to the Architect against preparation of building plans of various buildings of main campus, Kapurthala:-

S. No.	Description	Covered Area of buildings approved	Amount Paid	Reference approval of Building committee
1	Housing Project (Phase-II)	17428.0 Sqm.	Rs. 6.0 lacs + S. Tax	20.7
2	College buildings-3Nos, Library, seminar hall and hostels.	31928.0 Sqm.	Rs. 10.99 lacs + S. Tax	27.7

Copies of the minutes of the building committees and agreement signed between PTU and the Architect are placed below at Annexure-C.

On the above basis (area of the buildings), the Architect has requested for release of payment of Rs. 10.03 lacs (including service tax) against preparation of building plans of auditorium and hostels (covered area : 25936 Sqm.).

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

**Item No. 46.8 :** To discuss and approve the start of construction works of proposed college buildings at Punjab Institute of Technology at Arniwala and Sikhwala.

In 42<sup>nd</sup> meeting of the building committee (agenda item No. 42.4 and 42.5), committee noted that Punjab Cabinet have approved constitution of new technical university at Bathinda and district Fazilka (Arniwala) and Muktsar Sahib (Sikhwala) will fall under the jurisdiction of the new university. It was opined by the committee that new university may have different requirements for these campuses and thus it was decided to defer the approval of design basis reports of these campuses for the time being.

In this regard, it is brought to the kind notice of the committee that management of Punjab Technical University has decided to go ahead with construction of proposed buildings (Phase-I) and external development works for these campuses.

**Item No. 46.9 :** To discuss and approve the estimate for painting of boundary walls Punjab Institute of Technology, Mansa.

The estimate for construction of boundary wall of Punjab Institute of Technology, Mansa was approved in 30<sup>th</sup> meeting of the building committee (agenda item No. 30.7) for an amount of Rs. 300.0 lacs. Further, the revised estimate for an amount of Rs. 409.27 lacs for this work was approved in 44<sup>th</sup> meeting of the building committee (Agenda item No. 44.6). In these estimates, there was a provision of RCC precast panel for three side walls and CC blocks wall with grills for front wall. There was also a provision of painting of the front wall only (other walls being RCC precast panels) in the initial estimate but the same was not included in the revised estimate. Thus, there is no provision of painting of walls in the approved estimate.

During one of the visit of the Architects to site, they were of the opinion that finish of the precast panels is not up to the level as it was envisaged at the time of preparation of design/estimate. The Architect suggested that complete wall (all the four sides) should be got painted to have better appearance, finish and durability. The Architect has submitted an estimate for an amount of Rs. 36.35 lacs for painting of all the walls of the institute (placed at Annexure-D).

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

**Item No. 46.10 :** To discuss and approve authorization to PWD for taking Environmental Clearance for construction of proposed auditorium and hostels buildings at main campus, Kapurthala.

On the basis of conceptual plans approved by building committee for the proposed auditorium and hostels proposed at main campus, Kapurthala, the building plans for these buildings have been approved by Chief Town Planner, Punjab. Before taking up the construction for these buildings, Environmental clearance (EC) from Ministry of Environment and Forest is to be taken. It is to inform that while submitting application for EC, an undertaking, wherein some commitments towards safety measures during execution, control of pollution, facilities & amenities to workers, social responsibility towards workers engaged etc. is submitted and most of these are

to be made during execution only. Since, the execution of these works is to be done by PWD, it is proposed that EC for these buildings is taken by PWD so that they are aware of the commitments and are followed during execution.

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

**Item No. 46.11: Any other point with the permission of the Chair.**



**ANNEXURE-A**





Ref. No. DIN/VS/LED/1458

Dated: 29.1.2015

**Archie Group Architects**  
A-14, Sector-15,  
Noida - 201301

**Kind Attn: Mr. Rajiv Aggarwal**

**Subject: Offer for LED Video Wall for Auditorium**

Dear Sir,

It is a pleasure for us to provide you with this proposal, addressing your interest in Indoor True Color LED Walls for Auditorium use.

You will find below a detailed response to your requirements.

Delta expertise and history in large volume ODM, design and manufacturing for the most renowned brands in consumer and professional electronic industries, is bringing the supply of LED display into a new area of industrialized solutions for the Industrial Indoor/outdoor display industry.

Delta is very excited about this project and greatly appreciates the opportunity to provide you with a proposal. Please do not hesitate to contact me directly should you have any further questions.

Best regards

For Delta India Electronics Pvt Ltd.

A handwritten signature in black ink, appearing to read 'Vikram Sabharwal', is written over a faint grid background.

**VIKRAM SABHARWAL**  
**National Sales Manager**  
**Display Solution Business Unit**  
**(M) +91-9910048925**

**Delta India Electronics Pvt. Limited, Plot No. 43, Sector - 35,  
Gurgaon - 122 001, Haryana, India. Phone: + 91 124 4169040**



Sl. No.	Description	Make	Qty	Unit	Unit Price in INR	Amount in INR
1	Design, supply, installation, testing and commissioning of LED Video Wall of size 8.64 m X 5.28 m consisting of 6mm LED pixel pitch modules, 3 in 1 SMD having pixel density 6755 pixels per metre; viewing angle of 140 degree horizontal, 110 degree vertical; Contrast: 1000:1; Native brightness: 1500 nits including required mounting structure.	Delta	1	Set	28,500,000.00	28,500,000.00
2	Supply, installation, testing and commissioning of LED Display controller with 1 x DVI Input: Resolution 1280 x 1024, 1024 x 1200, 1600 x 848, 1920 x 720, 2048 x 668 & other user define resolution; Signal Output: RJ45; Maximum Width Output: 2048 pixels; Maximum Height Output: 1200 pixels; Control Port: USB	Delta	1	Nos.	400,000.00	400,000.00
3	Supply, installation, testing and commissioning of Power distributor with LED display power management; RS-485 remote control; Lightning Current surge protection; Weekly timer on/off function; Emergency stop button; Power Capacity: 28KVA.	Delta	1	Nos.	500,000.00	500,000.00
<b>Total Amount</b>						<b>29,400,000.00</b>
<b>VAT @ 12.5%</b>						<b>3,675,000.00</b>
<b>Grand Total</b>						<b>33,075,000.00</b>

Delta India Electronics Pvt. Limited, Plot No. 43, Sector - 35,  
Gurgaon - 122 001, Haryana, India. Phone: + 91 124 4169040