



# PUNJAB TECHNICAL UNIVERSITY

Ladowali Road, Jalandhar-144 001

Ph. 0181-2452347 Fax: 0181-2236884

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Ref. No. P.T.U. Secy-1/S.B.C.C-2/347-354/17697

Dated: 27-06-07

28-06-07

To

- i) Sh. N.S. Kalsi, IAS, Secretary (Employment Generation) Room No. 419, 4<sup>th</sup> Floor, Mini Secretariat, Sector-9, Chandigarh
- ii) Dr. R.S. Khandpur, Director General, Pushpa Gujral Science City, SCO 60-61, 3<sup>rd</sup> Floor, Sector 34, Chandigarh.
- iii) Sh. Chandra Mohan, H.NO. 202, Sector 36-A, Chandigarh.
- iv) Sh. S.L. Kaushal, Advisor (Architecture), 2865, Sector 42-C, Chandigarh.
- v) Sh. A.N. Chowdhry, Chief Engineer, (Const.) PTU, Jalandhar

**Subject : Construction of New Campus of Punjab Technical University-15<sup>th</sup> meeting of the Standing Building Construction Committee.**


Dear Sir

15<sup>th</sup> meeting of the Standing Building Construction Sub Committee shall be held under the Chairmanship of Sh. P. Ram, IAS, Principal Secretary, Technical Education, Punjab at 1200 hrs on 04-07-07 in his office in Mini Secretariat, Punjab, Sector -9 Chandigarh. Agenda and Agenda note for the meeting is enclosed.

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

Thanking you

Yours sincerely

  
(Dr. V. K. Arora)  
Dean Academic

CC :

- i) PS to Principal Secretary, Technical Education, Govt. of Punjab for the kind information of the Principal Secretary please
- ii) Sh. Rajiv Aggarwal of M/s Archigroup Architects, 5/304, Sikka Complex, Preet Vihar Community Centre, Vikas Marg, Delhi
- iii) Sh. N. S. Bhalli, Advisor (Electrical), H.No. 3040, Sector 19-D, Chandigarh.

They are requested to attend the meeting.

**Subject :**           **Agenda for the 15<sup>th</sup> meeting of the Standing Building Construction Committee.**

**Item No. 15-1 :**    Approval of Tender of Sewerage Treatment Plant.

**Item No. 15-2 :**    Approval of Detailed Estimate and Tender of Boundary Wall and Electrical Rooms.

**Item No. 15-3 :**    Approval of award of work of Supply and Installation of Elevators

**Item No. 15-4 :**    To decide specifications of Roads, Parking and Foot Paths around Administration Building.

**Item No. 15-5 :**    To consider the request of M/s IVRCL for Time Extension

**Item No. 15-6 :**    To consider the request Sh. Ashok Kumar Parinja , A.E (Civil), PWD, Irrigation Branch for deputation to PTU as AEE (Public Health).

**Item No. 15-7 :**    Any other item with the permission of the Chair.

**Subject : Agenda Note for 15<sup>th</sup> meeting of the Standing Building Construction Committee.**

**Agenda Item No 15.1 Approval of Tender of Sewerage Treatment Plant**

Six no. agencies as mentioned below were pre-qualified for the work of "Design, Supply, Erection, Testing and commissioning of 30 KLD Sewerage Treatment Plant with Fab Reactor" :-

- 1) M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
- 2) M/s Hydrotech Paryavaran (India) Pvt. Ltd F-31, Industrial Area, Phase-VIII, SAS Nagar, Mohali -160071
- 3) M/s PSLR Engineers Pvt. Ltd. 16/10, Ground Floor Kalkaji, New Delhi-11019
- 4) M/s Orion Engineers, B-45, 1<sup>st</sup> Floor, Lajpat Rai Nagar, New Delhi-110024
- 5) M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
- 6) M/s Shubam Hydrotech Engineers (P) Ltd.D-202, Sector-10, Noida

Tenders were invited for an amount of Rs. 20.00 lakhs with a time limit of 3 months. Blank tenders documents were purchased by the following five agencies :-

- i) M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
- ii) M/s Hydrotech Paryavaran (India) Pvt. Ltd F-31, Industrial Area, Phase-VIII, SAS Nagar, Mohali -160071
- iii) M/s Orion Engineers, B-45, 1<sup>st</sup> Floor, Lajpat Rai Nagar, New Delhi-110024
- vi) M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
- v) M/s Shubam Hydrotech Engineers (P) Ltd.D-202, Sector-10, Noida

Prebid meeting was held on 03-05-07 under the Chairmanship of Dr. R.S. Khandpur in which contractors were requested to quote for construction of an additional room over and above the tender amount.

Tenders were received on 10-05-07 from the following three agencies :-

- 1.M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
2. M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
3. M/s Shubam Hydrotech Engineers (P) Ltd.D-202, Sector-10, Noida

Copies of the financial bids were sent to M/s Archigroup Architects for evaluation vide PTU reference no. PTU/Const/STP-01/261-262/16996 dated 11-05-07. Report was received from them vide their reference no. AA(R)/PTU/2228 dated 14-05-07. The details of bids submitted by the various agencies and as evaluated is detailed below :-

1.M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301	Rs. 2275000.00 L2
2. M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.	Rs. 2350000.00 L3
3. M/s Shubam Hydrotech Engineers (P) Ltd D-202, Sector-10, Noida	Rs. 1983900.00 L1

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M/s Archigroup Architects stated in the report that M/s Shubam Hydrotech Engineers (P) Ltd. D-202, Sector-10, Noida are at L1 position and rates quoted by them are workable. It was recommended that they may be considered favourably for the award of work at a cost of Rs. 1983900.00

Tender Evaluation committee headed by Dr.R.S.Khandpur considered the evaluation report of M/s Archigroup Architects and recommended that the work may be allotted to M/s Shubam Hydrotech Engineers (P) Ltd ,D-202, Sector-10, Noida ,the lowest bidder, for an amount of Rs. 1983900.00 (Rs. Nineteen lac eighty three thousand and nine hundred only). Minutes of the meeting are annexed at Page ...8....  
The Committee may approve award of the work to M/s Shubam Hydrotech Engineers (P) Ltd D-202, Sector-10, Noida

**Agenda Item No. 15-2: Approval of Detailed Estimate and Tender of Boundary Wall, Gates and Electrical Rooms.**

15.2.1 Detailed estimate of the Boundary Wall around the campus of the University, amounting to Rs. 1.43 crores was approved in the 8<sup>th</sup> meeting of the committee. Design had to be revised in view of the approval received from PUDA and District Town Planner ,Kapurthala. The committee in its last meeting approved the revised design and decided to adopt stone cladding as provided on the exterior of the Administration Building. Length has also decreased as " PTU CAPARO School are constructing the boundary around their campus of their own. Revised detailed estimate amounting to Rs. 101.99 lacs incorporating the changes mentioned above has been prepared and is put up for the approval of the Committee.

15.2.2 Tenders for the work for an amount of Rs. 99.50 lacs were invited to be received on 15-06-07 on the basis of conventional NIT already approved by the committee. Time limit of six months has been fixed. Three Agencies as mentioned below purchased the tender documents and submitted the tenders on the appointed date :-

- i) M/s IVRCL Infrastructure & Projects Ltd., Hyderabad
- ii) M/s Star Construction G.T. Road, Jandiala Guru, Amritsar
- iii) M/s Buildwell , 50/7 Friends Colony, Opp. D.A.V College, Jalandhar

Copies of the tenders were forwarded to M/s Archigroup for processing and submission of their Report which has been received vide their letter no. AA(R)/PTU/2291 dated 19-06-07. (Annexure Page 10)

Position of the bids as checked by them is as under :-

i) M/s IVRCL, Hyderabad	Rs. 1,04,19,340.00
ii) M/s Star Construction, Amritsar	Rs. 91,69,515.00
iii) M/s Buildwell, Jalandhar	Rs. 1,01,31,422.00

Amount of work as per BOQ is Rs. 97.75, 620.00

M/s Archigroup have recommended that the contract may be concluded with the lowest bidder i.e M/s Star Construction Co. Jandiala Guru , Amritsar. The offer gives a saving of 6-20% over the BOQ amount.



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Committee may approve the award of the work as recommended by M/s Archigroup Architects to M/s Star Construction Co. Jandiala Guru, Amritsar

**Agenda Item No. 15.3 : Approval of Award of work of Supply and Installation of Elevators**

Expression of Interest for the work was invited through Press but none of the reputed agencies like OTIS and KONE etc applied for prequalification. The Standing Building Construction Committee in its 11<sup>th</sup> meeting held on 31-10-2006, constituted the following committee to contact the reputed agencies who are Principal manufacturers of Elevators and obtain most favourable Price and Terms and Conditions after negotiations with them:-

- i) Dr. V.K.Arora, Dean (Academics)
- ii) Sh.N.S. Bhatti, Advisor, (Electrical)
- iii) Sh. A.N.Chowdhry, Chief Engineer (Construction)
- iv) Sh. Rajiv Aggarwal, Architect M/s Archigroup Architects

The above said committee contacted the representatives of following agencies on 13-11-06 and 14-11-06 at Delhi to ascertain their terms and conditions to evolve minimum common acceptable conditions so that they participate in tenders :-

- i) Sh. Pawan Sharma, Engineer Sales M/s KONE Elevators India Pvt. Ltd
- ii) Sh Kunal Behrani, Engineer, N.S. Sales M/s OTIS India Elevator Company (India) Ltd.
- iii) Sh. Vivek Mishra, M/s Mitsubishi Corporation India Pvt. Ltd.
- iv) Sh. Uday Raj, Manager Sales M/s Thyssenkrupp
- v) Sh. Samuel T.B. Jacob, R.M. M/s Johnson Lifts

On the basis of inputs obtained from above mentioned firms and keeping in view the sustained reputation of agencies regarding the quality of items and after sales service particularly as the site is located away from the city, the committee recommended the following firms for prequalification :

- i) M/s OTIS India Elevator Company (India) Ltd.
- ii) M/s KONE Elevators India Pvt. Ltd.
- iii) M/s Mitsubishi Corporation India Pvt. Ltd.

The pre-qualified agencies were invited to purchase the tenders documents by 07-03-07. M/s OTIS and M/s KONE purchased the blank Tender Documents. Prebid conference was held on 29-04-07 in PTU Campus, Jalandhar under the Chairmanship of Dr. R.S.Khandpur, which was attended by Sh. Gagandeep Singh, Engineer, Sales M/s OTIS only. The date for receipt of tender was fixed as 20-04-07 in the office of M/s Archigroup, Delhi but had to be postponed to 02-05-07 in PTU, Jalandhar because of the following reasons :-

- i) M/s OTIS requested on telephone to postpone tenders as they had not been able to arrange the bank guarantee.
- ii) Sh. Vincet Nagpal of M/s KONE requested that they had not been able to obtain the rates of lift for the front block from their factory and were thus not able to quote.

Consequently tenders were received from M/s OTIS and M/s KONE on 02-05-07. The copies of the financial bids along with the terms and conditions submitted by both the agencies were sent to M/s Archigroup Architects for the evaluation. M/s Archigroup vide their reference no. 2220 dated 09-05-07 intimated that M/s KONE have quoted for three lifts only and they are prima facie rejected and recommended that M/s OTIS be invited for negotiation.

Meeting of the Tender Evaluation Committee was held on 17-05-07 under the chairmanship of Dr. R.S.Khandpur which was attended by Sh. Ripudman Singh of M/s OTIS. He was informed that conditions recommended by them had been incorporated in the N.I.T and in the Prebid meeting in consultation with Sh. Kunal Behrani of M/s OTIS and conditionless tender was expected from M/s OTIS. He was requested to withdraw the conditions put forward by them with the Tender Sh. Ripudaman Singh intimated that Mr. Kunal Behrani who was previously dealing with PTU has been transferred and he was not in a position to take any decision right then. Sh. Ravi Sharma of M/s KONE who was also present, was called and informed the position of their tender. He expressed his willingness to negotiate on the conditions. The Tender Evaluation Committee concluded as under :-

"The Tender Evaluation Committee feels that a lot of time has elapsed but proper tenders have not been received. Normal Tender Procedure has not succeeded in this case. Committee recommends that no alternative is left except to contact the Agencies and obtain offers from them as decided in the meeting held on 31-10-2006".

The minutes of the meeting are attached as annexure on page ...14....

As per decision of the constituted committee for Elevators, Sh. Rajiv Juneja of M/s OTIS and Sh. Ravi Sharma of M/s KONE were requested to attend PTU for negotiations at 12.30 hrs and 14.30 hrs respectively on 28-05-07

Sh. Ravi Sharma had discussions with the committee and agreed to withdraw most of the conditions and promised to submit an undertaking in this regard alongwith quotation for Elevator for (G+3) block in a sealed cover by 31-05-07. However, Mr. Rajiv Juneja vide his fax dated 28-05-07 requested for some more days and was requested to attend PTU Committee on 04-06-07 in Punjab Bhawan, Delhi. He accompanied by Sh. Anand Tiwary attended the meeting but did not agree to withdraw some conditions not suitable to PTU and was not ready to supply the Elevator of the front block as per dimensions of the lift well constructed at site. M/s KONE vide their letter no. KEIPL/038/200704/036 dated 04-06-07 received on 14-06-07 and letter dated 19-06-07 submitted the undertaking for amending the terms and conditions alongwith financial bid for front block. The financial bid was opened by the committee on 20-06-07 and requested their representative on telephone to further amend the conditions and reduce the price of Elevator by 21-06-07 when the committee decided to meet again to decide further action.

M/s KONE vide their letter no. KEIPL/038/200704/036 dated 21-06-07 received through fax intimated that the price offered by them for the Elevator to be installed in the front block is higher as the Elevator Hoistway does not conform to IS Standards and they had to design the Elevator customized for PTU requirements which has a financial implication. Other conditions were agreed by them. Regarding the hoistway M/s Archigroup assured that the lift components have been designed as per IS Standards in the bid document and they have provided many lifts of this type which are functioning satisfactorily. The committee observed :-

- a. M/s OTIS had initially quoted a price of Rs. 70.25 lakhs for all the four elevators while the offer of M/s KONE is Rs. 70.95 lakhs
- b. Terms of M/s OTIS are not acceptable to the University
- c. M/s OTIS have not included the cost of automatic rescue device (ARD) for any of the Elevators. The estimated cost of ARD is about Rs. 1.0-1.25 lakhs per lift and if this is included, the price of M/s OTIS will be about Rs. 74.25 lakhs
- d. M/s OTIS do not provide Vandal proof steel finish as specified in bid documents. However M/s KONE have demanded an additional amount of Rs. 2.5 lakhs over and above the price mentioned in 'a' above
- e. M/s KONE are not prepared to reduce the price further.

The Committee recommended that the offer of M/s KONE be accepted as all the possibilities of procuring the elevators from other reputed agencies have not borne fruitful results. It is mentioned here that the normal procedure of Govt. regarding tenders has also not succeeded.

The Standing Building Construction Committee may consider to approve the work of Elevators to M/s KONE at a price of Rs. 73.45 lakhs

**Agenda Item No. 15.4 : To decide specifications of Roads, Parking and Foot Paths around Administration Building.**

Estimate and tender documents for the construction of Black topped roads and parking and footpaths with Paver Blocks was put up to the committee for approval in the 14<sup>th</sup> meeting held on 03-05-07. It was discussed in the meeting that for road construction and parking, Paver blocks be used instead of adopting black top road specifications. It was decided that the Architects will consult the scientists of Central Road Research Institute (CRR) Delhi and put up the proposal in the next meeting of the committee.

The Architects have consulted the Scientists of CRR and have submitted their report vide their letter no. AA(R)/PTU/2232 dated 14-05-07 (copy annexed page 16). Scientist dealing with Rigid Pavement Division does not recommend Paver Blocks for Road Construction. Scientist dealing with Paver Block Division recommends in favour of Paver Blocks. Since It is a specialized work, he has offered to provide consultancy on normal charges upto tender stage and later for Supervision. He has recommended IRC & ISI codes for this purpose. The codes have been studied and the Architects have recommended to adopt conventional road construction in view of the following :-

- i) Recommendations contained in the IRC code are based on the research conducted abroad and much work has not been done in India.
- ii) Riding quality is reasonably good for slow traffic but is inferior to machine laid bituminous road.
- iii) Skilled labour and qualified Agency is not available in the area.



- iv) Site staff has limited experience for supervision.
- v) Duplicate Drainage system shall have to be provided.

The committee may resolve the issue so that estimate is prepared and tenders are called accordingly.

**Agenda Item No. 15-5: To consider the request of M/s IVRCL for Time Extension**

The work for the construction of Wings A,B & C at PTU Site on Jalandhar-Kapurthala road was allotted to M/s IVRCL I & P Ltd , Hyderabad vide PTU reference no. PTU/Const/001/378-380 dated 20-01-06 for Rs. 29.72 crores with a time period of 10 calendar months for Front Block (G +3) and 18 months for complete work. M/s IVRCL I & P Ltd could not complete the work in time and extension was granted for completing the Front (G+3) Block upto 30<sup>th</sup> April, 2007 and complete work up to December 12<sup>th</sup>, 2007 as approved in the twelveth meeting of the Standing Building Construction Committee held on 26-12-07. The work for the Front Block has been structurally completed and the finishing is in progress. The construction in the Rear Block is going on in the seventh floor.

M/s IVRCL I&P Ltd have now applied for time extension up to 30<sup>th</sup> October, 2007 for the construction of Front Block and up to 30<sup>th</sup> June, 2008 for complete work vide their letter no. IVRCL/PMC/PTU/CM/2007-08/8957 dated 28-04-07 (photocopy annexed on Page 18 ) without imposing any liquidated damages. Comments were sought from M/s Archigroup Architects and they have submitted their report vide reference no. AA(R)/PTU/2224 dated 22.5.2007 ( annexure page 25) Comments by the Superintending Engineer , PTU in annnotated form on the application are annexed at page 27 . He has recommended the time extension on following grounds :-

- i) Time required to complete the balance work is justified
- ii) Decisions regarding finishes etc have been finalized in the month of May, 2007
- iii) Works of other Agencies like A/C, Electrical, Sewerage, Water Supply etc are scheduled to be completed by October end.
- iv) Works of Roads, Sewerage Treatment Plant and Elevators are yet to be awarded.
- v) Arrangement of Power Supply is getting delayed.
- vi) Architectural/Structural details have not been issued completely.

The committee may consider the time extension.

**Item No. 15-6 : To consider the request Sh. Ashok Kumar Parinja , A.E (Civil), PWD, Irrigation Branch for deputation to PTU as AEE (Public Health).**



Application of Sh. Ashok Kumar Parinja, AE PWD, IB has been received through Local Govt., Industries and Commerce Minister for appointment as AEE (Public Health/Civil) in PTU on deputation. Principal Secretary Technical Education has asked for a report on it. (Photocopy annexed at Page 30). Post of AEE (PH) is lying vacant as no suitable candidate appeared in Walk-in-Interview on 29-03-07. Qualification required for the post was BE (Civil)/Diploma (Civil) with Relevant experience as 10 years for B.E and 15 years for Diploma.

Committee may consider the request of Sh. Ashok Parinja.

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**PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**

Dated : 18-05-07

**Subject :** Minutes of the meeting of the Tender Evaluation Committee for the work of Design, Supply, Erection, testing and Commissioning of 30 KLD Sewerage Treatment Plant with Fab Reactor to be provided in the new campus of PTU held on 17-05-07 under the chairmanship of Dr. R.S.Khandpur, Director General, Pushpa Gujral Science City in his office at Chandigarh.

The following were present :-

- i) Sh. A.N.Chowdhry, Chief Engineer, (Const.) PTU
- ii) Er. R.D. Joshi, Advisor (Public Health), H.No. 140, Sector-17, Panchkula, Haryana.
- iii) Sh. T.L.Dhall, Superintending Engineer, PTU, Jalandhar
- iv) Sh. Rajeev Aggarwal, Architect, M/s Archigroup Architects, 5/30-1, Sikka Complex, Preet Vihar Community Centre, Vikas Marg, Delhi

Six no agencies with the below mentioned details were prequalified for the work of Sewerage Treatment Plant in the new campus.

- 1) M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
- 2) M/s Hydrotech Paryavaran (India) Pvt. Ltd F-31, Industrial Area, Phase-VIII, SAS Nagar, Mohali -160071
- 3) M/s PSLR Engineers Pvt. Ltd. 16/10, Ground Floor Kalkaji, New Delhi-11019
- 4) M/s Orion Engineers, B-45, 1<sup>st</sup> Floor, Lajpat Rai Nagar, New Delhi-110024
- 5) M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
- 6) M/s Shubam Hydrotech Engineers (P) Ltd, D-202, Sector-10, Noida

Out of the six pre-qualified agencies blank tenders document were purchased by the following five no. of agencies.

- i) M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
- ii) M/s Hydrotech Paryavaran (India) Pvt. Ltd F-31, Industrial Area, Phase-VIII, SAS Nagar, Mohali -160071
- iii) M/s Orion Engineers, B-45, 1<sup>st</sup> Floor, Lajpat Rai Nagar, New Delhi-110024
- vi) M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
- v) M/s Shubam Hydrotech Engineers (P) Ltd, D-202, Sector-10, Noida

Tenders were received upto 1500 hrs on 10-05-07 and the following three agencies submitted the tenders.

1. M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301
2. M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.
3. M/s Shubam Hydrotech Engineers (P) Ltd, D-202, Sector-10, Noida

Tenders were opened by the committee constituted for the purpose at 1530 hrs on 10-05-07 and the unchecked total of bid as submitted by the agencies is as under :

1. M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301	Rs. 2275000.00
2. M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.	Rs. 2350000.00
3. M/s Shubam Hydrotech Engineers (P) Ltd D-202, Sector-10, Noida	Rs. 1983900.00

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Copies of the financial bid were sent to M/s Archigroup Architects for evaluation vide PTU reference no. PTU/Const/STP-01/261-262/16996 dated 11-05-07

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M/s Archigroup Architects evaluated the tenders and submitted their report vide their reference no. AA(R)/PTU/2228 dated 14-05-07 which was put to the Tender Evaluation Committee (Annexure 'A'). The details of bids submitted by the various agencies is detailed below

1. M/s Pollucon Technologies Ltd D-39, Sector -7, Noida (UP)-21301	Rs. 2275000.00 L2
2. M/s Wintech Engineers, 24-25, South Model Gram, Ludhiana-141002.	Rs. 2350000.00 L3
3. M/s Shubam Hydrotech Engineers (P) Ltd D-202, Sector-10, Noida	Rs. 1983900.00 L1

M/s Archigroup Architect observed regarding the tender of M/s Shubam Hydrotech Engineers (P). Ltd (L1) as under :-

- a) Offer of this vendor is the lowest.
- b) Quoted rates are generally balanced and appear to be reasonable.

M/s Archigroup Architects recommended as under :-

M/s Shubam Hydrotech Engineers (P) Ltd, D-202, Sector-10, Noida are at L1 position. Rates quoted by them are workable. It is recommended that they may be considered favourably for the award of work.

The Committee considered the evaluation report of M/s Archigroup Architects and recommends that the work of Design, Supply, Erection, testing and Commissioning of 30 KLD Treatment Plant with Fab Reactor may be allotted to M/s Shubam Hydrotech Engineers (P) Ltd, D-202, Sector-10, Noida, the lowest bidders for an amount of Rs. 1983900.00 (Rs. Nineteen lac eighty three thousand and nine hundred only).

The meeting ended with thanks to the Chair.

  
(T.L.Dhall)  
Superintending Engineer

**Archigroup Architects (Regd.)**

STUDIO : 5/304, SIKKA COMPLEX, PREET VIHAR COMMUNITY CENTRE, VIKAS MARG, DELHI - 110092 TEL : (91-11) 2250 9766, (91-11) 4242 1201 FAX : (91-11) 2243 0237  
E-MAIL : mail@archigroup.org WEBSITE : www.archigroup.org

Reference No.  
Date

AA (R) /PTU/2291  
June 19, 2007

The Chief Engineer,  
Punjab Technical University  
Ladowali Street,  
Jalandhar

Project: The new campus of the Punjab Technical University, Jalandhar.  
Subject: Bid evaluation report for tenders of the boundary wall, gate and electrical rooms.

Sir,

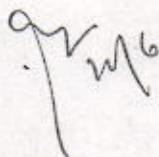
Please find attached with this note, one copy of the bid evaluation report for the above mentioned subject. As mentioned in the report, you may conclude the contract with the lowest bidder i.e. M/s Star Construction Company.

Thanking you

Truly yours,

  
Rajiv Aggarwal

CC: The Registrar, Punjab Technical University, Ladowali Street, Jalandhar





**EVALUATION REPORT FOR THE CONSTRUCTION OF  
THE BOUNDARY WALL GATES AND ELECTRICAL ROOMS AT  
PUNJAB TECHNICAL UNIVERSITY - JALANDHAR**

**1. Scope of contract and estimated cost:**

The work covered under this bid is for the construction of the Boundary Walls, Gates and Electrical Rooms and Related Electrification works on the plot of land measuring 70 acres approximately on Jalandhar - Kapurthala Highway for the new campus of the Punjab Technical University.

- 1.1 The estimated cost of the works is Rs. 9,775,621 excluding all taxes.

**2. Bid invitation process:**

The bids were invited through press and received on 15.06.2007.

**3. Bid response:**

- 3.1 All the 3 contractors who bought the documents submitted the same. The bids were received on 15.06.2007 at 1500 hrs. The names of the three bidders are given below:

- (1) M/s IVRCL.  
(2) M/s Star Const Co ; and  
(3) M/s. Build India Construction Co .

- 3.2 No bids were received late nor were any bids returned unopened.

**4. Bid opening:**

- 4.1 The bids were opened on 15.6.2007 at 1530 hrs. Two of the three bidders' representatives attended the bid opening.

- 4.2 Table of Bid prices as mentioned in the offers and read out at the time of bid opening are as follows:

Sl. No	Name of Bidder	Bid Price (Rs.)	Remarks
1	M/S IVRCL	1,04,19,340/-	No discount offered
2	M/S Star Const. Co	1,01,88,351	10% discount offered
3	M/s. Build India Co.	1,05,58,725	4% discount offered

Amounts in Rs.

## 5. Examination of bids:

- 5.1 The bids have been examined based on the hard-copies of the bids from the respective bidders.
- 5.2 Arithmetical errors: Arithmetical errors have been noticed in the bid of M/s Build India Co where the calculated amount works out to Rs. 1,05,53,565 /- against their offer of Rs. 1,05,58,725/-. The calculated amounts of the other two bidders match the quoted amounts.
- 5.3 The detailed Comparative cost analysis is attached with this note.
- 5.4 Following is the table showing the summary of the comparison of prices between the calculated amounts and the estimated amounts.

SUB HEAD	DESCRIPTION		AMOUNT (IN RS.)	IVRCL	STAR CONSTRUCTION*	BUILD INDIA**
			Amount	Amount	Amount	Amount
SECTION A	CIVIL WORK	Rs.	9,878,610.88	10,278,637.00	10,094,751.00	10,441,165.00
SECTION C	ELECTRICAL WORK	Rs.	99,010.00	139,703.00	93,600.00	112,400.00
	TOTAL	Rs.	9,775,620.88	10,419,340.00	10,188,351.00	10,553,565.00
	Discount offered	Rs. (-)	0	0	1,018,835.10	422,142.60
Quoted price after discount			9,775,620.88	10,419,340.00	9,169,515.90	10,131,422.40

\* Discount offered @ 10% on all quoted rates by Star Construction.

\*\* Discount offered @ 4% on all quoted rates by Build India.

- 5.5 The rates given by M/s Star Construction are the lowest amongst the bidders and are also within the estimated amount.

## 6.0 Recommendation:

- 6.1 It is recommended that the contract may be concluded with M/s Star Construction.

Rajiv Aggarwal, Archigroup Architects (R)  
June 18, 2007.



# **GRAND TOTAL - COMPARATIVE OF BOUNDARY WALL TENDERS**

**Name of Project :** Punjab Technical University, Jalandhar, Punjab.

SUB HEAD	DESCRIPTION	Estimate AMOUNT (IN RS.)	IVRCL Amount	STAR CONSTRUCTION* Amount	BUILD INDIA ** Amount
SECTION A	CIVIL WORK	Rs. 9,676,610.98	10,279,637.00	10,094,751.00	10,441,165.00
SECTION C	ELECTRICAL WORK	Rs. 99,010.00	139,703.00	93,600.00	112,400.00
	<b>TOTAL</b>	Rs. 9,775,620.98	10,419,340.00	10,188,351.00	10,553,565.00
	Discount offered	Rs. (-) 0	0	1,018,835.10	422,142.60
	<b>Quoted price after discount</b>	9,775,620.98	10,419,340.00	9,169,515.90	10,131,422.40

\* Discount offered @ 10% on all quoted rates by Star Construction.

\*\* Discount offered @ 4% on all quoted rates by Build India.

## PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Dated : 21-05-07

**Subject:** Minutes of the Tender Evaluation Committee for the Supply, Testing and Commissioning of Elevators held under the Chairmanship of Dr. R.S.Khandpur Director General, PGSC, in his office at Chandigarh on 17-05-07.

The following were present :

- i) Sh. N.S. Bhatti, Advisor (Electrical), PTU
- ii) Sh. A.N. Chowdhry, Chief Engineer, (Const.) PTU
- iii) Sh. Rajeev Aggarwal, Architect, M/s Archigroup Architects, Delhi
- iv) Sh. T.L. Dhall, Superintending Engineer, PTU, Jalandhar

1. Tenders were invited to be received on 20-04-07 at Delhi from the three pre-qualified Agencies viz M/s Mitsubhish Ltd, M/s OTIS Elevators Pvt Ltd., M/s KONE Elevators (India) Pvt. Ltd. Tender documents were only purchased by M/s OTIS and M/s KONE.  
Prebid meeting was held in PTU, Jalandhar under the chairmanship of Dr. R.S.Khandpur. No representative of M/s KONE attended the meeting. However Sh. Gagandeep Singh Engineer (Sales) attended the meeting on behalf of M/s OTIS Elevators Pvt Ltd. Minutes of prebid meeting were issued vide PTU/XEN/Elevators/38/16602 dated 12-04-07 to both the Agencies. On the date of receipt of tenders all the four members of the committee were present at Delhi, but requests were received on telephone from both the Agencies for postponement of the tenders for which they put forwarded following reasons :-
  - a) M/s Otis Elevators (India) Ltd., could not prepare the Bank Guarantee for Earnest Money
  - b) M/s Kone Elevators India Pvt. Ltd, could not obtain rates of lift in the from block from their factory.
2. Date of receipt of tenders was postponed to 02-05-07, when tenders were received from both the Agencies and were forwarded to M/s Archigroup for processing and submission of report which has been received vide their reference no. AA(R)/PTU/2229 dated 14-05-07 ( copy enclosed). They have recommended that M/s KONE have quoted only for 3 of total 4 elevators included in the tender document, thus their bid is incomplete and has not been considered for further evaluation. They have recommended that the committee may negotiate with M/s OTIS for deviations mentioned in their offer
3. The committee observes that offer of M/s OTIS is also not proper as it is accompanied with many conditions which have financial implications. Some of the conditions are not possible to be accepted. The Agencies were supposed to submit a complete tender without any condition so that negotiations could be carried out with LI agency. Sh. Ripudaman Singh of M/S OTIS was called upon to withdraw all conditions but he replied that it is not possible for him to do so. He was informed that a committee of PTU had consulted Sh. Kunal Behrani, Engineer (Sales) at Delhi and NIT was based upon the conditions largely acceptable to him. Then in the pre-bid all the remaining queries were answered and decisions were taken to which their Representative agreed




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after consulting Sh.Kunal Behrani many times on telephone right during the meeting. As per the adopted tender procedure, tender should have been conditionless. Sh Kunal Behrani was requested by Sh. T.L.Dhall on telephone on 14-05-07 to attend this meeting personally so that tender can be finalized. He expressed his inability to attend personally but assured that his representative who has the authority to negotiate shall attend the meeting. Sh. Ripudaman Singh was unaware of the prebid meeting and informed that Sh. Kunal Behrani has been transferred and he cannot take any decision right then.

Sh. Ravi Sharma of M/s KONE who was also present, was called and informed the position of their tender. He expressed his willingness to negotiate on the conditions.

4. It was reported in the 11<sup>th</sup> meeting of the Standing Building Construction Committee held on 31-10-06, that no reputed Agencies have applied for pre-qualification and the committee deliberated on the issue and constituted a further committee and desired it to contact reputed Agencies, who are the Principal Manufacturers of Elevators and obtain from the most favorable Price and terms and conditions after negotiations the same with them. The committee contacted the Agencies and recommended for the pre-qualification of the Agencies as mentioned above and recommended to incorporate conditions demanded by them in the tender documents so that the Agencies are able to participate. Standing Building Construction Committee in the 12<sup>th</sup> meeting held on 26-12-06, accepted the recommendation of the committee.

The committee feels that lot of time has elapsed but proper tenders have not been received. Normal tender procedure has not succeeded in this case. Committee recommends that no alternative is left except to contact the Agencies and obtain offers from them as decided in the meeting held on 31-10-06

  
21.5.07

(T.L.Dhall)  
Superintending Engineer



# Archigroup Architects (Regd.)

STUDIO : 5/304, SIKKA COMPLEX, PREET VIHAR COMMUNITY CENTRE, VIKAS MARG, DELHI - 110092 TEL: (91-11) 2250 9766, (91-11) 4242 1201 FAX: (91-11) 2243 0237  
E-MAIL : mail@archigroup.org WEBSITE : www.archigroup.org

PTU Construction Cell  
Receipt No. PTU/CA/11/Road/25  
Date 18.05.07  
Sent To .....

Reference No. : AA (R) /PTU/ 2232  
Date : May 14, 2007

FR.  
*Chen*  
19/5

The Chief Engineer,  
Punjab Technical University  
Ladowali Street,  
Jalandhar

Q.S.

Project: The new campus of the Punjab Technical University, Jalandhar.  
Subject: The road work in the campus - Concrete Pavers.

Sir,

This has a reference to the 14<sup>th</sup> meeting of the Standing Building Committee, in which it was decided that the architect will visit the CRRI in Delhi to discuss the suitability of concrete pavers for road construction in the PTU campus. Following are the findings from the 2 meetings at CRRI (drawings of the road lay out were shown during the meetings):

Meeting on May 4<sup>th</sup> 2007: A meeting was held with Mr. R.K. Maheshwari and Mr. J.B. Sengupta, scientists in the Rigid Pavement Division. They both opined that the concrete pavers are suitable for shoulders of the roads only.

Meeting on May 8<sup>th</sup> 2007: A meeting was held with Mr. S.D. Sharma, a scientist in the concrete paver division of the CRRI. He recommended that the concrete pavers are acceptable for roads of different types and suggested that:

- a. The codes IRC - SP63-2004 and IS 15658:2006 in this regard may be studied. Copies of these codes are attached with this note;
- b. Their department in CRRI specializes in road construction with concrete pavers and will be willing to provide its technical input as a consultant upto preparation of tender stage at about Rs. 50 - 60,000/-. They can also provide supervision during construction and charges for the same can be negotiated based on the Terms Of Reference.

The following issues emerge from perusal of the 2 codes:

1. Both the codes are recently formulated in years 2004 and 2006 respectively;
2. The IRC code specifies that:
  - i. the recommendations contained in it are based on the research conducted abroad as not much work has been done in India on pavers for roads;
  - ii. pavers are acceptable for in-city roads but have certain limitations in the form of:
    - a. Higher noise level @ about 5-8 dB (may be acceptable in our case);
    - b. Riding quality is reasonably good for slow speed traffic but is inferior to machine laid bituminous road (is a part limiting factor);
    - c. A very good attention is to be paid to storm water drainage as the water can percolate through the open gaps in the pavers. To achieve this, a perforated



drainage pipe is to be provided along the road-side with connections at appropriate locations to the main storm water drainage. (is a limiting factor due to required technology and economics of duplicate drainage system);

- d. The road has to be constructed by skilled workers due to precision required in the drainage of the sub-grade and the pattern of the blocks in plan (is a limiting factor); etc.
3. For the 80 mm thickness specified in the IRC code for in-city roads, a minimum crushing strength of M40 is specified in the IS code.

Like in any other type of construction, skilled labor and the quality of materials (pavers in this case) are the key components in making a long lasting road. However, it may be ambitious to get the desired results given the infantile stage of the technology in the country due to which:

- a. relatively less skilled labor is available for execution. No qualified agency will be available in the region which may result in poor response / higher quotation from out of the region agencies; and
- b. the site staff will have limited experience in supervising such construction.

The reservations were expressed in the Standing Building Committee meeting that pot-holes develop in the conventional roads over a period of time. In this regard, kindly note that these develop as the water accumulates on surface due to poor slopes / construction. These potholes worsen with time due to movement of vehicles. If the roads are properly specified and constructed, these should not develop specially in the context of a campus measuring only 80 acres. Unlike vehicular movement on city roads, the speed, weight and frequency of the vehicles is not expected to be high with in the campus.

Therefore, it may be appropriate to resort to conventional road construction in the campus rather than venturing into relatively new technology.

Thanking you

Truly yours,

  
Rajiv Aggarwal

CC The Registrar, Punjab Technical University, Ladowali Street, Jalandhar



IVRCL/PAIC/PTU/CM/2007-08/8957  
28<sup>th</sup> April 2007

To  
The Executive Engineer  
Punjab Technical University,  
Ladowali Road,  
Jalandhar - 144 001

D.F.R.  
30.4.07  
Super

**SUB: CONSTRUCTION OF WING A, B, C & CORE AT PTU SITE ON  
JALANDHAR - KAPURTHALA HIGHWAY(CIVIL, ELECTRICAL &  
PH WORKS) - REQUEST FOR FURTHER EXTENSION OF TIME.**

- Ref. 1) LOI No - PTU/CONST/001/378-380 dated 20<sup>th</sup> January, 2006  
2) Your Letter No.PTU/XEN/IVRCL/438-442/14797 dated 4<sup>th</sup> Jan. 2007.  
3) Our Letter No.IVRCL/DZO/PTU/8899 dated 23rd April, 2007.

Dear Sir,

In connection with the subject, we invite your kind attention to your letter cited under reference 2) above, granting us extension of time i) up to 30<sup>th</sup> April, 2007 for the construction of Wing 'C' and ii) up to 31<sup>st</sup> December, 2007 for the construction of Wing 'A', 'B' and Core for the reasons not attributable to us.

With a view to complete the above said works within the extended time & also to avoid further time & cost overrun, we took all the necessary steps including augmentation of additional resource mobilisation. But even after our serious & sincere efforts, the works could not be completed within the revised time frame for the reasons totally beyond our control & not attributable to us. In this context, we would like to submit the following points, explaining the major impediments faced by us and the reasons, which are warranting requirement of additional time for completion of works.

1. **Delay in receipt of various Structural & Architectural Drawings:-** Since inception, we have not been receiving the good for construction drawings in time. Due to non-availability of the above drawings in advance before commencement of various activities, we are unable to carry out the forward planning for proper resource mobilisation to complete the job within scheduled time frame & ultimately the completion of the works is getting extended. Thus the late receipt of the required structural & architectural drawings for all the wings resulting in frequent interruption in the work progress & leading us to demobilize & remobilize of the resources for many items of works. At present, the works is standstill in many fronts like casting of slabs, electrical conduiting, floor finishes, stone cladding, false

**IVRCL INFRASTRUCTURES & PROJECTS LTD**

Delhi Zonal Office: P2, 1<sup>st</sup> Floor, Green Park Extension, New Delhi- 110 016  
Telefax ; 011- 41001049, Ph.No.41001047, Email: [ivrclczo@yahoo.co.in](mailto:ivrclczo@yahoo.co.in)  
Regd. Office: M-22/3RT, Vijayanagar Colony, Hyderabad - 500 057. A. P. India  
Tel.: 91-40-23343678/23343550/23348467/23345130 Fax : 91-40-23345004  
Email: [ivrcl2@hcl.vsnl.net.in](mailto:ivrcl2@hcl.vsnl.net.in) Website: [www.ivrcl.com](http://www.ivrcl.com)







ceiling & etc. for want of approved drawing & details. The details of drawings issued to us after 31<sup>st</sup> October, 2006 are attached herewith as Appendix 'A' and the details of drawings yet to be issued are also attached as Appendix 'B' for your kind attention & reference. On account of non-issue of good for construction drawings in time, the project requires an additional time of around six months. .

2. **Suspension of work due to Revision of Drawings for Floor Finishes:-** You necessitated the change in original pattern/design of expensive decorative floor finishes (comprising of combination of different flooring material with ornamental work) to ordinary floor finishes to avoid extra expenditure in the project. We were issued drawings for the changes in floor finish pattern in a phased manner. The floor finish work was put on hold for this change for almost three months. Revised set of drawings for the same up to 3<sup>rd</sup> Floor of Wing 'C' was issued only on 3<sup>rd</sup> April, 2007. Thus the commencement of this item of works got delayed approximately by 90 days, warranting requirement of additional time for completion.
3. **Suspension of work due to likely Revision of Stone Cladding details:-** You are aware that we mobilized stores and specialized crew for the above stone cladding work. However, we have been instructed by your good self to hold the stone cladding work till further order. In this connection, please refer to our letter No.IVRCL/DZO/8893 dated 19<sup>th</sup> April, 2007. Good for construction drawings for stone cladding works are yet to be issued to us, this works requires around three months time to complete after issue of good for construction drawings.
4. **Delay in A.C. Ducting Work:** A.C. ducting work is in the scope of another agency. We approached your good self number of times in the past to direct AC ducting Agency to complete their work so as to enable us to start false ceiling work & floor finish work. In this connection please refer to our letter No.IVRCL/DZO/8459 dated 10<sup>th</sup> March, 2007, No.IVRCL/PTU/06-07/288 dated 15<sup>th</sup> March, 2007, No.IVRCL/DZO/8607 dated 21<sup>st</sup> March, 2007 and No.IVRCL/DZO/8897 dated 19<sup>th</sup> April, 2007. However, in spite of our repeated persuasion, the AC ducting work could not be completed till date. As a result of this, front for our activities of false ceiling & subsequently floor finish is not made available to us in Wing 'C'. Hence, almost entire internal finishing work is held up on G.F., 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor & 3<sup>rd</sup> Floor in Wing 'C' due to non completion of AC ducting work by other Agency.. We require an additional time of 90 days to complete this false ceiling, flooring and internal finish items of works after the fronts are made available to us.
5. **Interruption in Work Progress in Wing 'C' :-** We mobilized our all resources to complete the work in Wing 'C' within the extended period. However, we could not proceed as planned to complete the above said Wing due to the following reasons which are beyond our control.  
We could not cast third floor slab of Wing 'C' in time for want of structural drawings. The same was issued to us only on 22<sup>nd</sup> December, 2006. Good for

#### **IVRCL INFRASTRUCTURES & PROJECTS LTD**

Delhi Zonal Office: P2, 1<sup>st</sup> Floor, Green Park Extension, New Delhi- 110 016

Telefax ; 011- 41001049, Ph.No.41001047, Email: [ivrcl\\_dzo@yahoo.co.in](mailto:ivrcl_dzo@yahoo.co.in)

Regd. Office: M-22/3RT, Vijayanagar Colony, Hyderabad - 500 057, A. P. India

Tel.: 91-40-23343678/23343550/23348467/23345130 Fax : 91-40-23345004

Email: [ivrcl2@hdi.vsnl.net.in](mailto:ivrcl2@hdi.vsnl.net.in) Website: [www.ivrcl.com](http://www.ivrcl.com)





construction drawings for construction of mummy, staircase and parapet beams were issued to us on 21<sup>st</sup> February, 2007. The revised drawings for floor finish pattern in Wing 'C' were issued on 3<sup>rd</sup> April, 2007. We are not in a position to start the roof insulation as well as roof water proofing work since construction of parapet wall in southern side Wing 'C' is under hold for want of revised drawings of parapet. Pending decision on brick work on terrace and terrace flooring will further delay the water proofing and plumbing work in Wing 'C'.

In view of the above your good self is requested to resolve the pending issues on priority.

5. **Unprecedented Rains:-** Due to change in climatic conditions in the Northern Region, there had been unprecedented & unseasonal heavy showers in Jalandhar during March, 2007. Due to these heavy rains, the entire project schedule was affected unexpectedly & resulted in set back in the progress of work. In this connection please refer our letter No.IVRCL/PTU/06-07/290 dated 14<sup>th</sup> March, 2007. (Copy enclosed).
6. **Delay in Release of Payments:-** As per the contract, 70% of the certified RA Bill amount shall be paid to us within seven working days from the submission of bills and the balance 30% payment shall be paid within 21 days. However, release of RA bill payments have been delayed beyond above stipulated timings in many occasions. The details are attached as Appendix 'C'. It is needless to mention that our work involves regular payment to labourers as well as various vendors/suppliers for the purchase of construction material. Non-receipt of RA Bills payments in time has affected the progress of work to certain extent.

In light of the above said facts, as the reasons for requirement of additional time for completing the project are completely beyond our controls and not at all attributable to us, we request your good self to grant us judiciously an extension of time for further 180 days i.e. up to 30<sup>th</sup> October, 2007 for construction of Wing 'C' and up to 30<sup>th</sup> June, 2008 for the construction of Wing 'A', 'B' & Core, without imposing any Liquidated Damages..

Thanking you and assuring our best services at all the times.

Yours faithfully,

For IVRCL Infrastructures and Projects Ltd.

  
C.J. PAL  
AGM (Projects)

Encl: As above.

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Delhi Zonal Office: P2, 1<sup>st</sup> Floor, Green Park Extension, New Delhi- 110 016  
Telefax : 011- 41001049, Ph.No.41001047, Email: [ivrcldzoo@yahoo.co.in](mailto:ivrcldzoo@yahoo.co.in)  
Regd. Office: M-22/3RT, Vijayanagar Colony, Hyderabad - 500 057. A. P. India  
Tel.: 91-40-23343678/23343550/23348467/23345130 Fax : 91-40-23345004  
Email: [ivrcl2@hd1.vsnl.net.in](mailto:ivrcl2@hd1.vsnl.net.in) Website: [www.ivrcl.com](http://www.ivrcl.com)





APPENDIX- A

**DETAILS OF DRAWINGS ISSUED  
FROM 1<sup>st</sup> NOV., 2006 TO 10<sup>th</sup> APRIL, 2007  
PTU: JALLANDHAR**

Sl.No	Drawing Title	Drawing No.	Revision	Type of Drawing	No. of Drawings	Receiving Date	Remarks
124	Details of toilet T-4	PTU/ARCH/Toilet-DET/SK-1			2	03/11/06	
125	Section through toilets block 'C'	PTU/ARCH/SECTION/SK-2			2	03/11/06	
126	Drainage of Central Landscaped	PTU/ARCH/Drainage/SK-3			2	03/11/06	
127	Normal Lighting & Fire Layout 2 <sup>nd</sup> Floor	PTU/EL/GFC/SF-01		EL/10	2	17/11/06	
128	False Ceiling & Fire Layout (IInd Floor)	PTU/EL/GFC/SF-02		EL/13	2	17/11/06	
129	Power Layout (IInd Floor)	PTU/EL/GFC/SF-03		EL/14	2	17/11/06	
130	Toilet details (VC's Registrar)	PTU/ARCH/WD/8-2		PH/27	2	17/11/06	
131	Toilet details	PTU/ARCH/WD/83		PH/28	2	17/11/06	
132	Normal Lighting & Fire layout (IInd Floor)	PTU/EL/GFC/TF-01		EL/15	2	28/11/06	
133	False Ceiling Lighting & Fire layout (3 <sup>rd</sup> Floor)	PTU/EL/GFC/TF-02		EL/14	2	28/11/06	
134	Power Layout (IInd Floor)	PTU/EL/GFC/TF-03		EL/17	2	28/11/06	
135	False Ceiling First Floor (Wing-C)	PTU/ARCH/WD/16.1		A/87	2	28/11/06	
136	False Ceiling First Floor (Wing A&B)	PTU/ARCH/WD/16.2		A/88	2	28/11/06	
137	False Ceiling IInd Floor (Wing C)	PTU/ARCH/WD/16.3		A/89	2	28/11/06	
138	False Ceiling IInd Floor (Wing A & B)	PTU/ARCH/WD/16.4		A/90	2	28/11/06	
139	Flooring Pattern (Ground Floor)	PTU/ARCH/WD/13.0		A/91	2	30/11/06	
140	Flooring Pattern – First Floor Plan	PTU/ARCH/WD/13.1		A/92	2	30/11/06	
141	Finishing Schedule (Basement, GF & FF)	PTU/ARCH/WD/17		A/93	2	30/11/06	
142	Basement	PTU/EL/BF-02/R2		EL/22	2	01/12/06	
143	Ground Floor Plan Fire Panel location	PTU/EL/GF/FP-01			2	13/12/06	
144	First, Second & Third Floor & Seminar Hall floor layout	PTU/EL/GFC/SH-01			2	13/12/06	
145	Fourth Floor Plan and Slab details	PTU/ST/S-16		S/46	2	22/12/06	✓
146	Terrace slab details non basement area	PTU/ST/S-16A		S/47	2	22/12/06	





147	Fourth Floor Level Sections Basement Area	PTU/ST/S-17/Sh. 1 of 2	S/48	2	22/10/06	
148	Terrace Beam details Non-basement area	PTU/ST/S-18	S/50	2	22/12/06	
149	Fourth/Terrace level Sections Non basement Area	PTU/ST/S-17/Sh.20/2	S/49	2	22/12/06	
150	Flooring Pattern – Second Floor Plan	PTU/ARCH/WD/13-2	A/108	2	04/01/07	
151	Flooring Pattern – Third Floor Plan	PTU/ARCH/WD/13.3	A/109	2	04/01/07	
152	Finishing Schedule (Second & Third Floor)	PTU/ARCH/WD/17.1	A/110	2	04/01/07	
153	Structural Glazing Details	PTU/ARCH/WD/11	A/111	2	04/01/07	
154	Fourth Floor Plan	PTU/ARCH/WD/3.5(R3)	A/112	2	23/01/07	
155	Elevation	PTU/ARCH/WD/4.5(R2)	A/113	2	23/01/07	
156	Partitions & Cup Boards detail	PTU/ARCH/WD/10	A/116	2	5/02/07	
157	Internal Staircase details Wing 'A'	PTU/ARCH/WD/6.3	A/114	2	25/01/07	
158	Internal Staircase details Wing 'B'	PTU/ARCH/WD/6.4	A/115	2	25/01/07	
159	Central Lift Machine Room details	Misc./S-05	3/54	2	12/02/07	
160	Details of Partition & cupboard Second & Third Floor	PTU/ARCH/WD/18.1	A/117	2	21/02/07	
161	Stone Cladding details	PTU/ARCH/WD/14	A/118	2	21/02/07	
162	Details of Cup Board CB3	PTU/ARCH/WD/10A	A/119	2	21/02/07	
164	Mumty Roof plan & Details of Staircase STL S11A	MISC/S-04	S/55	1	21/02/07	
165	Internal Staircase Basement Area	PTU/ST/S-15A	S/56	1	21/02/07	
167	Fifth Floor Plan & Slab details	PTU/ST/S-19	S/57		28/02/07	
168	Sixth Floor Plan & Slab Details	PTU/ST/S-20	S/58		28/02/07	
169	Seventh Floor Plan & Slab Details	PTU/ST/S-21	S/59		28/02/07	
170	Fifth Floor Sections	PTU/ST/S-19-A	S/60		28/02/07	
171	Sixth Floor Sections	PTU/ST/S-20-A	S/61		28/02/07	
172	Seventh Floor Sections	PTU/ST/S-21-A	S/62		28/02/07	
173	Column Schedule (Part-II) Basement Area	PTU/ST-05 PART-2/SH-1/2	S/63		28/02/07	
174	Column Schedule (Part-II) Basement	PTU/ST-05 PART-2/SH-2/2	S/64		28/02/07	





	Area					
175	Revised openings in toilets, electrical room and AHU, Ground Floor Wing 'C'	PTU/ARCH/WD/SK-1		A/120		28/02/07
176	Revised openings in toilets, electrical room and AHU First, 2 <sup>nd</sup> and Third Floor Wing-C	PTU/ARCH/WD/SK-2		A/121		28/02/07
177	Revised Side Elevation	PTU/ARCH/WD/SK-3		A/122		28/02/07
173	Detail of Ventilator in Basement	PTU/ARCH/WD/SK-4		A/123		28/02/07
174	Ground Floor Plan connecting Passage	PTU/ARCH/WD/SK-5		A/124		28/02/07
175	Fourth Floor Lighting & Fire layout	PTU/EL/GFC/4 <sup>th</sup> F-01		EL/25		28/02/07
176	Fourth Floor Power layout	PTU/EL/GFC/4 <sup>th</sup> F-02		EL/26		28/02/07
177	First Floor Power Layout	PTU/EL/GFC/FF-02B		EL/27	2	02/03/07
178	Second Floor Power Layout	PTU/EL/GFC/SF-03A		EL/28	2	02/03/07
179	Third Floor Power Layout	PTU/EL/GFC/TF-03A		EL/29	2	02/03/07
180	Slab Details Part-C	PTU/ST/S-09C		S/65	2	22/03/07
181	Fifth Floor Plan & Slab details	PTU/ST/S-19, R1		S/66	2	22/03/07
182	Sixth Floor Plan & Slab details	PTU/ST/S-20, R1		S/67	2	22/03/07
183	Seventh Floor Plan & Slab detail	PTU/ST/S-21, R1		S/68	2	22/03/07
184	Fifth Floor - Ceiling & Floor layout	PTU/GFC/5 <sup>th</sup> F-01		EL/30	2	26/03/07
185	Sixth Floor Ceiling & Floor layout	PTU/GFC/6 <sup>th</sup> F-01		EL/31	2	26/03/07
186	Ground Floor flooring Pattern	PTU/ARCH/WD/13.R1		A/126	2	26/03/07
187	First Floor Flooring Pattern	PTU/ARCH/WD/13.1 R1		A/127	2	03/04/07
188	Second & Third Floor Flooring Pattern	PTU/ARCH/WD/13.2 R1		A/128	2	03/04/07
189	Site Plan (Admn. & Exam Block) drainage layout	PSE/2/R-1		PH/39	2	03/04/07



**Appendix 'C' (Refer Para 7)**

**DELAY IN RELEASE OF RA BILLS PAYMENTS**  
**PTU JALLANDHAR**

Detail of Bill	Date of Submission	Due Date of Releasing of 70% of Bill as per BOQ	Actual Date Released 70% of the Bill Amount	Delay	Due Date of Releasing of 30% of Bill as per BOQ	Actual Date Released 30% of the Bill Amount	Delay	Balance Amount to be released
1 <sup>st</sup> RA Bill Submitted	22.05.2006	30.05.2006	20.06.2006	21 Days	11.06.2006	22.07.2006	41 Days	
2 <sup>nd</sup> RA Bill Submitted	17.08.2006	26.08.2006	30.08.2006	5 Days	06.09.2006	29.09.2006	23 Days	
3 <sup>rd</sup> RA Bill Submitted	12.09.2006	20.09.2006	29.09.2006	9 Days	02.10.2006	15.02.2007	136 Days	
4 <sup>th</sup> RA Bill Submitted	24.10.2006	01.11.2006	24.11.2006	23 Days	13.11.2006	15.02.2007	94 Days	
5 <sup>th</sup> RA Bill Submitted	29.11.2006	07.12.2006	21.12.2006	14 Days	19.12.2006	15.02.2007	58 Days	
6 <sup>th</sup> RA Bill Submitted	20.12.2006	28.12.2006	10.01.2007	13 Days	10.01.2007	15.02.2007	36 Days	
7 <sup>th</sup> RA Bill Submitted	12.01.2007	20.01.2007	23.01.2007	3 Days	29.01.2007	15.02.2007	16 Days	
8 <sup>th</sup> RA Bill Submitted	20.02.2007	27.02.2007	02.03.2007	2 Days	12.03.2007	10.04.2007	28 Days	
9 <sup>th</sup> RA Bill Submitted	08.03.2007	15.03.2007	23.03.2007	7 Days	28.03.2007	18.04.2007	20 Days	
10 <sup>th</sup> RA Bill Submitted	13.04.2007	20.04.2007						





# Archigroup Architects (Regd.)

STUDIO : 57/304, SHUKA COMPLEX, PREET VIHAR COMMUNITY CENTRE, VIKAS MARG, DELHI - 110092 TEL : (91-11) 2250 9766, (91-11) 4242 2011 FAX : (91-11) 2243 0237  
E-MAIL : mail@archigroup.org WEBSITE : www.archigroup.org

Reference No. : AA (R) /PTU/2224  
Date : May 12, 2007

The Chief Engineer,  
Punjab Technical University  
Ladowali Street,  
Jalandhar

Project: The new campus of the Punjab Technical University, Jalandhar.  
Reference: PTU/Xen/TVRCL/68-69/16843 dated 01-03-2007.

Sir,

With regards to the above mentioned reference along with its attachment, kindly see below our point wise responses to the issues mentioned by M/s IVRCL in their letter:

**1.0 Delay in receipt of various Structural and Architectural Drawings:** While the dates of the drawings submission are correct, it should be noted that the drawings are being submitted ahead of relevant stage of work at site and the work at site has never suffered for want of drawings. The case in point is that while only 4<sup>th</sup> and 5<sup>th</sup> floor slabs are being currently cast in the rear block at site, the relevant structural drawings upto 7<sup>th</sup> floor have already been submitted.

**2.0 Flooring Pattern:** The flooring pattern drawings had been submitted from 30.11.2006 onwards. Subsequently the University decided to review the patterns, which were discussed in our office on March 16<sup>th</sup> 2007. The revised drawings based on the decisions made in this meeting were issued from 26<sup>th</sup> March 2007 onwards.

**3.0 Stone Cladding:** M/s IVRCL requested to increase the stone size from 5"X22" (in the tender) to larger size to expedite the cladding work. Their request also included cost implications. During the process of these discussions, the University decided to review the fundamental decision of stone cladding and explore other possible options. The matter was included in the agenda of the 14<sup>th</sup> Standing Building Committee meeting held on May 3<sup>rd</sup> 2007. Now that the Committee has decided to change the size of stone for cladding and the types of clamps, relevant details will be issued shortly. However, in the mean time, contractor has been given sufficient verbal instructions to continue with the work.

**4.0 Delay in A/C ducting work:** This point does not pertain to us. It may however be noted that the drawings for the false-ceiling had been submitted on 19.09.2006 / 20.11.2006 onwards.

**5.0 Interruption in progress of work:** It may be noted that there are sufficient 'fronts' on which the contractor can proceed in a building as large as the PTU building. The small issues mentioned by the contractor will not add to the completion schedules.



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Mostly the finishing items are being currently executed at site, which warrant certain execution time for the desired outcome. Given the current status of the work at site where many agencies are working simultaneously, co-ordination between agencies is most critical. While we assure you of our best input, the contractor may be urged to speed up the work in right earnest and complete the building as soon as possible.

Thanking you

Truly yours,

  
Rajiv Aggarwal

CC ✓ The Registrar, Punjab Technical University, Ladowali Street, Jalandhar

Subject:

Construction of Wing A,B, C & Core at PTU Site on Jalandhar-Kapurthala Highway (Civil, Electrical & PH Works)- Request for extension of time.

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S.No.	Contents of M/s IVRCL I & P Ltd letter no. PMC/PTU/CM/2007-2008/8957 dated 28 <sup>th</sup> April, 2007	Comments
	In connection with the subject, we invite your kind attention to you letter cited under reference 2) above, granting us extension of time i) up to 30 <sup>th</sup> April, 2007 for the Construction of Wing 'C' and ii) up to 31 December, 2007 for the construction of Wing 'A', 'B' and Core for the reason not attributable to us. With a view to complete the above said works within the extended time and also to avoid further time & cost overrun, we took all the necessary steps including augmentation of additional resource mobilization. But even after our serious & sincere efforts, the works could not be completed within the revised time frame for the reasons totally beyond our control and not attributable to us. In this context, we would like to submit the following points, explaining the major impediments faced by us and the reasons, which are warranting requirement of additional time for completion of works.	The work executed by M/s IVRCL was not in pace with the work programme submitted by them and is far behind the targets. The points raised by M/s IVRCL I & P Ltd are commented as under : Comments were sought from M/s Archigroup and have been received vide their memo AA(R)/PTU/2224, May 12, 2007 and have been incorporated in the comments.
1	<b>Delay in receipt of various Structural and Architectural Drawings :</b> Since inception, we have not been receiving the good for construction drawings in time. Due to non-availability of the above drawings in advance before commencement of various activities, we are unable to carry out the forward planning for proper resource mobilization to complete the job within scheduled time frame and ultimately the completion of the works is getting extended. Thus the late receipt of the required structural and & architectural drawings for all the wings resulting in frequent interruption in the work progress and leading us to demobilize & remobilize of the resources for many items of works. At present, the works is standstill in many fronts like casting of slabs, electrical conduiting, floor finishes, stone cladding, false ceiling & etc, for want of approved drawing & details. The details of drawings issued tous after 31 <sup>st</sup> October, 2006 are attached herewith as Appendix 'A' and the details of drawings yet to be issued are also attached as Appendix 'B' for your kind attention and reference. On account of non-issue of good for construction drawings in time, the project requires an additional time of around six months.	The Good for construction drawings are always issued as per the execution and no drawings were delayed and their work never stopped. The fact is that the required shop drawings for conduits were submitted very late by M/s IVRCL and shop drawings for the Aluminium Joinery and structured Glazing are yet to be submitted by M/s IVRCL. The details of pending drawings have been admitted by the Architect. But these are always paced with the construction which was never interrupted because of non supply of drawings and decisions.
2	<b>Suspension of work due to Revision of Drawings for Floor Finishes:</b> You necessitated the change in original pattern/design of expensive decorative floor finishes ( comprising of combination of different flooring material with ornamental work) to ordinary floor finishes to avoid extra expenditure in the project. We were issued drawings for the changes in floor finish pattern in a phased manner. The floor finish work was put on hold for this change for almost three months. Revised set of drawings for the same up to 3 <sup>rd</sup> Floor of Wings 'C' was issued only on 3 <sup>rd</sup> April, 2007. Thus the commencement of this item of works got delayed approximately by 90 days, warranting requirement of additional time for completion.	The floor pattern drawings were issued to M/s IVRCL on 30-11-06, but they submitted quite late vide their reference no. IVRCL/DZO dated 01-03-07 that the flooring is a N.S. Item. PTU immediately got the drawings revised as per BOQ and the flooring drawings were issued in third week of March and the 1 <sup>st</sup> week of April, 2007



3	<p><b>Suspension of work due to likely Revision of Stone Cladding details :</b> You are aware that we mobilized stores and specialized crew for the above stone cladding work. However, we have been instructed by our good self to hold the stone cladding work till further order. In this connection, please refer to our letter No. IVRCL/DZO/8893 dated 19<sup>th</sup> April, 2007. Good for construction drawings for stone cladding works are yet to be issued to us, this works requires around three months time to complete after issue of good for construction drawings.</p>	<p>The stone cladding drawing was issued on 21-02-07 and M/s IVRCL submitted for change in specifications of the cramps and the size of tiles because of the economy and faster construction in the 2<sup>nd</sup> week of April. The decision was conveyed to them by the PTU in the first week of May, 2007 after approval of the Standing Building Construction Committee.</p>
4	<p><b>Delay in A.C Ducting Works :</b> A.C ducting work is in the scope of another agency, we approached your good self number of times in the past to direct AC ducting Agency to complete their work so as to enable us to start false ceiling work and floor finish work. In this connection please refer to our letter no. IVRCL/DZO/8459 dated 10<sup>th</sup> March, 2007, No. IVRCL/PTU/06-07/288 dated 15<sup>th</sup> March, 2007, No. IVRCL/DZO/8607 dated 21<sup>st</sup> March, 2007 and No. IVRCL/DZO/8897 dated 19<sup>th</sup> April, 2007. However, in spite of our repeated persuasion, the AC ducting work could not be completed till date. As a result of this, from for our activities of false ceiling and subsequently floor finish is not made available to us in Wing 'C'. Hence almost entire internal finishing work is held up on G.F 1<sup>st</sup> Floor, 2<sup>nd</sup> Floor and 3<sup>rd</sup> Floor in Wing 'C' due to non completion of AC ducting work by other Agency. We require an additional time of 90 days to complete this false ceiling, flooring and internal finish items of works after the fronts are made available to us.</p>	<p>It is correct that AC ducting work is in the scope of other agency but they are doing the work as per planning and there is no obstruction to the work of M/s IVRCL I&amp;P Ltd. The false ceiling work was stopped by PTU as it was decided to discuss the type of false ceiling in the meeting of the Standing Building Construction Committee. Final decision was taken in the meeting on 03-05-07 in which Sh. M.S. Rao, General Manager, M/s IVRCL was present.</p>
5	<p><b>Interruption in Work Progress in Wing 'C' :</b> We mobilized our all resources to complete the work in Wing 'C' within the extended period. However, we could not proceed as planned to complete the above said Wing due to the following reasons which are beyond our control. We could not cast third floor slab of Wing 'C' in time for want of structural drawings. The same was issued to us only on 22<sup>nd</sup> December, 2006. Good for construction drawings for construction of munt, staircase and parapet beams were issued to us on 21<sup>st</sup> February, 2007. The revised drawings for floor finish pattern in Wing 'C' were issued on 3<sup>rd</sup> April, 2007. We are not in a position to start the roof insulation as well as roof water proofing work since construction of parapet wall in southern side Wing 'C' is under hold for want of revised drawings for parapet. Pending decision on brick work on terrace and terrace flooring will further delay the water proofing and plumbing work in Wing 'C'. In view of the above your good self is requested to resolve the pending issues on priority.</p>	<p>The structural drawing of the 4<sup>th</sup> floor i.e. roof slab for the wing C was issued on 22-12-06 but the drawing for detail of shuttering and reinforcement was handed over to Sh. Umesh Singh, Project Manager, M/s IVRCL I&amp;P Ltd on 29-11-06 and 10-12-06 respectively at the time when slab of 3<sup>rd</sup> floor was just laid. Regarding revised drawing of the floors, the reasons have already been explained under para (2). The leak proofing of the roof was reviewed on 03-05-07 in the meeting of the Standing Building Construction Committee. The parapet wall was stopped as its structural safety was to be ensured from the Architects and the design has been changed. However revised drawings stand issued.</p>
6	<p><b>Unprecedented Rains :</b> Due to change in climatic condition in the Northern Region, there had been unprecedented and unseasonal heavy showers in Jalandhar during March, 2007. Due to these heavy rains, the entire project schedule was affected unexpectedly and resulted in set back in the progress of work. In this connection please refer our letter no. IVRCL/PTU/06-07/290 dated 14<sup>th</sup> March, 2007 (copy enclosed.)</p>	<p>Rains have not been unprecedented though work remained suspended for a few days due to rains.</p>



7

**Delay in Release of Payments :** As per the contract, 70% of the certified RA bill amount shall be paid to us within seven working days from the submission bills and the balance 30% payment shall be paid within 21 days. However, release of RA bill payments have been delayed beyond above stipulated timings in many occasions. The details are attached as Appendix 'C'. It is needless to mention that our work involves regular payment to labourers as well as various vendors/suppliers for the purchase of construction material. Non-receipt of RA bills payments in time has affected the progress of work to certain extent.

It is correct that 70% of the RA bill amount is to be paid in 7 working days and balance 30% in 21 days. This is subject to the condition that all the information regarding fulfilment of statutory requirements shall be supplied by the company along the bill. Some of the bills have been received in complete and have been returned for amendments vide i/o letter no. 219-220 dated 05-09-06, 271-272 dated 03-10-06 and 296-297 dated 13-10-06. The delay in 70% of the payments of the bills is very minor but remaining 30% payments have been delayed.

The comments are concluded as under :-

- i) The reasons given by M/s IVRCL I&P Ltd are not completely sufficient and they could have executed the work at a better pace.
- ii) The time requested by M/s IVRCL to complete the balance work is justified
- iii) Decisions regarding finishes etc have been finalized in the month of May, 2007
- iv) Works of other agencies like A/C, Electrical, Sewerage, Water Supply are scheduled to be completed by October end.
- v) Works of Roads, Sewerage Treatment Plant and Elevators are yet to be allotted.
- vi) Arrangement of Power Supply is getting delayed
- vii) Architectural/Structural details have not been issued completely.

In view of the above, it is recommended that extension may please be granted to M/s IVRCL I&P, Ltd upto 30-10-07 for the front block and upto 30-06-08 for the rear (G + 7) block in the interest of work.

*[Signature]*  
20.5.07  
Superintending Engineer

Chief Engineer

Vogel

4/31

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Office of Local Govt., Industries & Commerce Minister, Punjab

Principal Secretary to Govt. of Punjab, Deptt. of Technical Education, may please find the enclosed application of Sh. Ashok with the request to appoint him on deputation as AEE (Public Health/Civil) in the Punjab Technical University, Jalandhar. His bio-data has been mentioned by him in his application. The request may, please be acceded to under intimation to the undersigned.

P.S.T.E.

LGICM

Regm/P.T.U may please  
examine and let me have a report.

Registration P.T.U

May kindly see  
2/2/15

M/c

Chairman Standing Committee

for CE (Const Cell)



21/5/07  
15/5/07  
21/5/07

21/5/07  
15/5/07

831  
21/5/07  
15/5/07

(THROUGH PROPER CHANNEL)

To

**The Registrar,  
Punjab Technical University,  
Jalandhar.**

**Subject: Application for willingness on deputation as Assistant Executive Engineer (Public Health/Civil).**

I have come to know from the reliable source that PTU is to be filling some post of Assistant Executive Engineers (Public Health/Civil) on deputation. I am willing you go on deputation in PTU as Assistant Executive Engineer (Public Health/Civil). My Bio-data, qualification and experience are as under:-

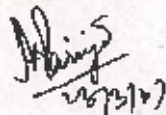
- |  |  |
|--|--|
| 1. Name                                      | : <b>ASHOK KUMAR PARINJA</b>   |
| 2. Father's Name                             | : <b>Sh. BISHAMBER NATH PARINJA</b>  |
| 3. Date of Birth                             | : <b>02/03/1955</b>  |
| 4. Education Qualifications                  | : <b>B.A. Part II.<br/>Diploma in Civil Engineering.<br/>Deptt. Professional Exam.<br/>Deptt. Revenue Exam.</b>  |
| 5. Experience                                | : <b>Total + 31 years</b>  |
| (a) Sectional Officer (Civil) on Adhoc Basis | : <b>22/08/1975 to 03/07/1976(FN) PWD Panchayati Raj Deptt. Punjab.</b>  |
| (b) Junior Engineer (Civil)                  | : <b>03/07/1976(AN) to 31/12/1995 in PWD Irrigation Deptt. Pb. Including 3 years in deputation with Punjab Small Industries and Export Corporation Limited i.e. from 08/05/1992 to 19/05/1995.</b> |
| (c) Assistant Engineer (Civil)               | : <b>01/01/1996 to date.</b>   |

I have sufficient knowledge/ experience in the works relating to buildings/ Roads, water supply and maintenance works. You are therefore requested to give me a change to serve in PTU on deputation.

Hoping for sympathetic consideration please.

Thanking you.

Yours faithfully,



**(ASHOK KUMAR PARINJA)**

**Assistant Engineer,**

**O/O Executive Engineer,**

**Discharge Division (I.B.),**

**S.A.S. Nagar (Mohali).**

**Contact Nos.: 9814042966 (M), 0181 227 4926 (R)**

Advance Copy To:

1) The Registrar, Punjab Technical University, Jalandhar;

2) Chief Engineer/ Drainage, Irrigation works Punjab, Chandigarh;

for Information and necessary action please.