



Dr. V. K. Arora
Ph.D. (Cal), Adv. Dip. Biomformatics
IICT (Hyd.) & C-DAC Pune
Dean (Academics)
Dean (Plg. & Development)
Dean (Research & Coordination)

PTU PUNJAB
TECHNICAL
UNIVERSITY

18/1

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/Const./S.B.C.C -02/68-75/1782

Date: 02-04-08

1. Sh.N.S.Kalsi, IAS,
Joint Secretary (CS),
Room No.193-A/Z, North Block,
Ministry of Home Affair-Govt.of India,
New Delhi-1.
 2. Dr.R.S.Khandpur, DG, PGSC
SCO 60-61, Sector 34-A, Chandigarh.
 3. Sh.Chandra Mohan Member BOG,
Chandigarh.
 4. Sh.S.L.Kaushal,
Advisor (Architecture), PTU-Jalandhar.
 5. Sh.A.N.Chowdhry, Chief Engineer,
PTU-Jalandhar.
- Subject:-** Construction of New Campus of Punjab Technical University-19th Meeting
of the Standing Building Construction Committee.

Dear Sir,

Nineteenth Meeting of the Standing Building Construction Committee shall be held under the Chairmanship of Ms. Tejinder Kaur, IAS, Principal Secretary, Technical Education Punjab at 11.30 A.M. on 11/ 04/2008 in her office in Mini Secretariat, Sector-9 Chandigarh.

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

Thanking you,

Yours sincerely,

(Dr.V.K.Arora),
Dean Academic.

C.C

1. PS to Principal Secretary, Technical Education, Govt. of Punjab for kind information
Of the Principal Secretary, please
2. Sh.N.S.Bhatti, Advisor(Electrical) H.No.3040, Sector 19-D Chandigarh.
3. Sh.Rajiv Aggarwal, M/S Archigroup, 5/304, Sikku Complex, Preet Vihar,
Community Centre, Vikas Marg-Delhi.

They are
requested to
Kindly attend the
Meeting.

Encl- Agenda and Agenda Note.

PUNJAB TECHNICAL UNIVERSITY JALANDHAR.

SUBJECT:- **Agenda for the 19th Meeting of the Standing Building Construction Committee.**

- Item No.19.1:** Approval of Landscaping Plan/Detailed Estimate and Tender.
- Item No.19.2 :** Approval of Tender of Fountain Work.
- Item No.19.3:** Extension of Time Period of Contract of M/S IVRCL,Civil Contractor.
- Item No.19.4:** Construction of Buildings of Phase II.
- Item No.19.5:** Extension of Services of Engineering Staff.
- Item No.19.6:** Creation of Post of Executive Engineer (Electrical)for three months and appointment of Sh.Manmohan Singh Boparai Superintending Engineer (Retd.) PSEB against the post.
- Item No.19.7:** Any other point with the permission of chair.

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PUNJAB TECHNICAL UNIVERSITY JALANDHAR.

Subject:- Agenda note for the 19th Meeting of the Standing Building Construction Committee.

Agenda Item NO. 19.1 :Approval of Landscaping Plan /Detailed Estimate & Tender.

19.1.1: Landscaping Plan / Detailed Estimate were discussed in the last meeting of the Committee. It was decided that trees may be selected in consultation with Sh.Chandra Mohan and the recast estimate may be put up to the Sub Committee (Headed by Dr. R.S.Khandpur) constituted by the Govt. Needful has been done accordingly and estimate amounting to Rs. 13.92 lacs approved by the Sub Committee (Annexure "A" Page 5). Break up is as under :-

Plantation of 801 trees	Rs. 2.96 lac.
Plantation of 2370 shrubs	Rs. 4.80 lac
Plantation of 6280 Ground covers.	Rs. 3.41 lac
Plantation of 5294 Sqm. Grasss	Rs. 2.27 lac
One Supervisor for 12 months	Rs. 0.48 lac.
Total:-	<u>Rs. 13.92 lac.</u>

The committee may approve the estimate.

19.1.2 :It was decided in the last meeting of the committee that tenders may be invited on the basis of the estimate mentioned at 19.1.1 above. Accordingly tenders were invited by publicity through press and received on 29/02/2008. NIT of the PWD B&R has been followed and tenders were invited from the contractors who have done similar work in Govt. Organizations. Four Agencies purchased the tender documents. However three Agencies submitted the tenders as detailed below :-

Sr.NO.	Name of Agency	Quoted Face value of tender	Checked value of tender.
1	Sh. Surjit Singh Negi Contractor, Jalandhar	Rs 1269043/-	Rs 1264776/-
2	Sh. Rakesh Mahajan, Chandigarh	Rs 1358414/-	Rs 1222510/-
3	Sh. Manoj Kumar, Delhi	Rs 1349059/-	Rs 1349059/-

Tender have been evaluated by the Tender Evaluation Committee headed by Dr.R.S.Khandpur in the meeting held on 05/03/2008. The Committee has recommended the award of work to the lowest Agency Sh. Rakesh Mahajan, Chandigarh for Rs. 1222510/- .Minutes are attached as (Annexure "B" Page 7).

The Committee may approve the tender.

Agenda Item No. 19.2 Approval of Tender of Fountain Work.

The tenders for fountain work on turnkey basis were invited through Press to be received on 31/1/2008. Eight number agencies purchased the tender documents. A prebid meeting was held on 25/01/2008 with the representatives of the three number agencies who attended the meeting. The minutes of the meeting were issued to all the eight number agencies and the date for receiving the tenders was postponed to 07/02/2008. Five number agencies submitted their tenders on the due date which were opened by the Committee constituted for opening of tenders. Details are as under:-

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Sr.No.	Name of Agency	Quoted face value of tender.
1.	M/S Sun Engineering Company, Chandigarh.	Rs. 12,40,000/-
2.	M/S Imperial Green Tech. Mohali.	Rs. 9,76,000/-
3.	M/S Madhu Irrigation Tech. Chandigarh.	Rs. 9,85,000/-
4.	M/S Startech Engg. Con. Delhi.	Rs. 9,18,000/-
5.	M/S Water Tech. India Mohali.	Rs. 8,02,550/-

The financial bid part of the tenders were sent to M/S Archigroup Architects for evaluation. M/S Archigroup submitted their recommendation vide their Reference No. AA @ /PTU/2574 dated 15/2/2008 and recommended that M/S Water Tech India Mohali, the lowest contractor should be awarded the job as the rates quoted by them are about 20% lower than the estimate cost of Rs. 1000000/-

The tenders were put up to the Tender Evaluation Committee headed by Dr. R.S. Khandpur in the meeting held on 05/03/2008. The Committee has recommended the award of work to the lowest agency M/S Water Tech. India Mohali for Rs. 8,02,550/-. Minutes are attached as (Annexure "B" Page 7).

The Committee may approve the tender.

Agenda Item No.19.3 :- Extension of time period of contract of M/S IVRCL, Civil Contractor.

The work for the Construction of Wings A,B,C and Core in the New Campus of PTU was allotted to M/S IVRCL I&P Ltd. vide PTU Reference No. PTU/Constr./001/378-380 dated 20/1/2006 for a time limit of 10 months for the Front C Wing and 18 months for the Rear A,B and Core Wing.

Now M/S IVRCL I&P Ltd. vide their Reference NO. IVRCL/PTU/07-08/464 dated 4/1/2008 and IVRCL/I&P/PTU/08-09/38 dated 1/3/2008 have applied for time extension upto 15/2/2008 for the Front block and upto 31/10/2008 for the Rear Block.

Superintending Engineer has submitted his recommendation commenting upon the reasons of delay in annotated form Annexure "C" Page 10. He has recommended the grant of Extension as requested by the Agency on the following grounds.

- a) Red Stone Cladding in the Core Area has been changed to White Stone Cladding vide letter no. PTU/SITE/SE/SPI/1001 dated 20/10/2007 and time is involved in fixing fresh Vendors. Supplies have started arriving at Site and time shall be involved for the Cladding.
- b) There has been a Vendor problem in the supply of Expansion Joint Material and it has been recently decided to change the colour of Exposed Expansion Joint Material. The Vendor is yet to start the manufacturing as per changed colour.
- c) Stone Cladding Work in Jams of all the openings which was not originally shown in drawings involves more time. This activity has also delayed the false ceiling and internal finishing work.
- d) The winter has been very severe this year.
- e) The Agency has put in delay in payments as a reason for Extension.
- f) It has been decided vide letter No. PTU/SE/IVRCL/765-768/1254 dated 10/03/2006 to provide Solvent based Water Repellent on Stone Cladded facade. This activity requires a time of at least two months.

The Front Block has been completed. The Rear Block has been structurally completed and the finishing work i.e. laying of floors, stone cladding work, fixing of joinery etc. is in progress. The work done upto 15/2/2008 is for Rs. 19.03 crores against the allotted amount of Rs. 29.72 crores. The first extension was granted upto 30/4/2007 and 31/12/2007 respectively for Wing C and Wing A,B and Core. Second extension was granted for Wing C upto 31/12/2007 and upto 30/6/2008 for Wing A,B and Core (Photocopies attached as Annexure "D" Page 17 & "E" Page 18).

As per Clause No.6.10 Page 0078 of the Contract Agreement(Photocopy enclosed as Annexure "F" Page 19), Competent authority to grant time extension is Standing Building Construction Committee and the issue may be decided.

Agenda Item No 19.4 : Construction of Buildings of Phase II

BOG in its last meeting has approved the Construction of following Buildings of Phase II:-

Guest House	Rs 2.42 Crore
Residence Type I - 16 Units(50 Sqm)	Rs 1.28 Crore
Residence Type II - 20 Units(80 Sqm)	Rs 2.70 Crore
Residence Type III - 20 Units(100 Sqm)	Rs 3.30 Crore
Residence Type IV - 6 Units(120 Sqm)	Rs 1.38 Crore
Residence Type V - 4 Units(2000 Sft)	Rs 1.48 Crore
Total	Rs 12.56 Crore

Above costs are inclusive of internal PH & E I services. Cost of external services , roads & landscaping shall be extra. Cost of Guest House indicated above is for 20 rooms & 2VIP suits with a prevision of 8 rooms for further extension. It has now been decided to construct the complete building with 28 rooms at this stage only. Architects have been requested to take further action in the matter so that tenders are invited.

This is for the information of the committee.

Agenda Item NO. 19.5 : Extension of Services of Staff of Construction Cell.

19.5.1 Posts of Staff of Construction Cell stand approved by this Committee and staff has been appointed on contract basis after following proper procedure of selection. Extension in the service period of the staff strands accorded by the University as under :-

Sr.No.	Name	Designation	From	To
1	Sh.Amarjit Singh Soni	AEE Electrical)	04/10/07	3/4/08
2.	Sh.R.S.Bal	AEE (Civil)	01/07/07	31/12/07
3.	Sh.V.D.Sharma	AEE (Civil)	16/10/07	15/04/08
4.	Sh.V.K.Dadu	Assistant Engineer(A.C.)	23/10/07	11/01/08
5.	Sh.Chhakinder Singh	----do----(civil)	11/7/07	10/01/08

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6.	Sh. Paramvir Singh Chatha.	Supervisor (civil)	13/10/07	31/01/08
7.	Sh. Baldev Singh	Quantity Surveyor (civil)	15/09/07	14/03/08
8.	Sh. Ram Parkash	Sr. Auditor	09/06/07	08/12/07
9.	Sh. Dilbag Singh	Quantity Surveyor (Civil)	09/10/07	08/04/08

The Committee may rectify the extensions.

19.5.2 Construction of the Administration Building is expected to go on till the end of October after which accounts are to be finalized. Construction of Buildings of Phase-II has been proposed to be started. Services of the following staff are required for at least one year more and extensions need to be approved for one year w.e.f. dates indicated below:-

Sr.NO.	Name	Designation	Date
1.	Sh. A.N. Chowdhry	Chief Engineer	9/3/2008
2.	Sh. N.S. Bhatti	Advisor (Electrical)	9/3/2008
3.	Sh. Amarjeet Singh Soni.	AEE (Electrical)	4/4/2008
4.	Sh. R.S. Bal	AEE (Civil)	01/01/2008
5.	Sh. V.D. Sharma	AEE (Civil)	16/4/2008
6.	Sh. Chhakinder Singh	AE (Civil)	11/1/2008
7.	Sh. Lal Singh	AE (Civil)	14/05/2008
8.	Sh. Resham Chand	AE (AC)	01/05/2008
9.	Sh. Shingara Singh Safri	AE (Electrical)	12/04/2008
10.	Sh. Sunil Bhasin	AE (Civil)	17/04/2008
11.	Sh. Remesh Chander Sharma	AE (PH)	11/04/2008
12.	Sh. Baldev Singh	Quantity Surveyor	15/3/2008
13.	Sh. Ram Parkash	Sr. Auditor	9/12/2007
14.	Sh. Dilbag Singh	Quantity Surveyor	9/4/2008
15.	Sh. Surinder Pal	Pvt. Secretary	02/05/2008

The Committee may approve the extensions.

Agenda Item No. 19.6:- Creation of Post of Executive Engineer (Electrical) for three months and appointment of Sh. Manmohan Singh Boparai Superintending Engineer (Retd.) PSEB against the post.

The work of External Electrical Works, Internal Electrical Works and Air Conditioning are in progress and are at final stage. A.E. and AEE's of Electrical Discipline are in position to supervise these works. A post of Executive Engineer (Electrical) with a consolidated salary of Rs. 15000/- per month on contractual basis is proposed to be created. Sh. Manmohan Singh Boparai Superintending Engineer (Retd.) PSEB has applied for the post. Copy of his application alongwith his biodata is enclosed at (Annexure "G" Page 22).

The Committee may approve the creation of the post and the appointment of Sh. Manmohan Singh Boparai against it.

Punjab Technical University, Jalandhar

SUBJECT : Landscaping of New Campus of P.T.U.

Proposal for landscaping of P.T.U. was received from M/s Archigroup Architects. It was prepared by their Landscaping Architect, Sh. Manohar Morgaonkar. The proposal has been examined by Dr. P. K. Sharma, Advisor (Horticulture) of PTU. Registrar, PTU has also studied it and given her views. Estimate as per the proposal was put up to Standing Building Construction Committee in its last meeting held on 10.01.2008 in which it was decided that selection of trees be discussed with Sh. Chandra Mohan and the estimate based on that may be approved by the Architectural Sub Committee. Accordingly the proposal has been discussed in the meetings of the Committee held on 01.02.2008 and 04.02.2008 in which Sh. Gnan Chand Executive Engineer (Horticulture), PWD B&R Mohali was specially invited. He is responsible for the work of important buildings of Punjab Government in Chandigarh.

Based on the discussions and inputs as above, it is proposed to plant trees and shrubs on the roads and parking around the under Construction Administration Building and along the boundary wall. Details of the proposed trees and shrubs are contained in the attached list. In the front lawn of the building Green Grass is proposed to be planted. Estimate of the work consisting Rs. 13.92 lac is also enclosed. In the estimate cost of plantation and up keep for nine months to look after the survival of trees through one summer & one winter is provided and thereafter annual maintenance shall start up. Break up of the cost is as under:

Plantation of 801 trees	Rs. 2.96 lac
Plantation of 2370 shrubs	Rs. 4.80 lac
Plantation of 6280 Ground Covers	Rs. 3.41 lac
Plantation of 5294 sqm grass	Rs. 2.27 lac
One Supervisor for 12 months	Rs. 0.48 lac
TOTAL	Rs. 13.92 lac

Above is put up for approval so that tenders are invited and the current plantation season is availed.

g. mohar

Chand
Chief Engineer 7/2
PTU-Jalandhar

[Signature]

R-SK

[Signature]

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Trees

1.	Approach Roads to the Administrative Building	Outside - Kusum Inside - Mangnolia Grandiflora
2.	Along the Rear Wall	Grevillea-robusta (Silver Oak)
3.	Side Wall of Caparo School	Chakarassia-tabularis
4.	<ul style="list-style-type: none"> Front Wall (480 Meters on both sides of Main Entrance) Remaining length of 612 meters 	<ul style="list-style-type: none"> Amaltas Cassia-javanica
5.	Wall towards Sardar Swaran Singh Institute	No trees due to High Tension wire
6.	Parking	Neem
7.	Wall of Service Block	Cadamba

Shrubs / Creepers

1.	Along front & rear wall	Bougainvillea - Red & White in module of 100 meters
2.	Along Caparo School	Pyrostegia (Golden Shower)
3.	Along Sardar Swaran Singh Institute	Clerodendrum splendens & Chandni
4.	Along side of approach roads	Bougainvillea in 26 groups of Red & White (7 no. in each)
5.	Front Rotary	Ground covers in pattern & Ficus-panda
6.	Water Body	Shrubs of Ficus Panda at the back & hedge at the front.
7.	Along the path in the front lawn	Hamelia, Tecoma & Gardenia etc. on both sides
8.	Inside around Service Block	Quisqualis-indica
9.	Lawn	Grass of Selection No. 1 quality on both sides of the centre line of the building.

[Signature]
Chief Engineer
PTU-Jalandhar

[Signature]
18/2



T. L. Dhall

ANNEXURE - "B"

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Ref No: 150/SE/01/2008-2009/1624

Date: 20/01/08

File

Chowdhry

24/15

KS

1. Dr. V.K. Arora,
Dean Academics PTU.
2. ✓ Sh. A.N. Chowdhry,
Chief Engineer,
PTU-Jalandhar.
3. Sh. N.S. Bhatti,
Advisor Electrical,
H.No. 304, Sector-19,
Chandigarh.
4. Sh. Daljit Singh,
Superintending Engineer,
Constn. Circle No. 2 PWD B&R,
Jalandhar.

Subject: Minutes of the Tender Evaluation Committee held under the Chairmanship of Dr. R.S. Khandpur, Director General, PGSC on 5/3/2008 in his office at Chandigarh.

My Dear,

Please find enclosed herewith minutes of the above said meeting for your kind information and further necessary action.

Thanking you,

Yours sincerely,

T.L. Dhall

(T.L. Dhall) 20/3/08
Superintending Engineer.

Encl. As above.

C.C. Private Secretary to Director General PGSC Chandigarh for the kind information of Dr. R.S. Khandpur Director General, P.G.S.C.

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Minutes of the Tender Evaluation Committee held under the Chairmanship of Dr R.S.Khandpur, Director General, P.G.C.C on 5/3/2008 in his office at Chandigarh.

The following were present :-

1. Dr. V.K. Arora Dean Academics PTU.
2. Sh. A.N. Chowdhry, Chief Engineer PTU.
3. Sh. N.S. Bhatti Advisor Electrical PTU.
4. Sh. Daljit Singh, Superintending Engineer, PWD B&R Construction Circle No. 2 Jalandhar.
5. Sh. T.L. Dhall, Superintending Engineer PTU.

Mr. T.L. Dhall, Superintending Engineer, PTU submitted the following details regarding tenders to the Committee.

(1) Tender for Design, Engineering, Supply, Installation, Testing and Commissioning of Fountains and associated Pumps lights and other fittings at the New Campus of PTU on TURNKEY BASIS.

Lumpsum Tenders were invited through press for this work to be received on 31/01/2008 and Prebid meeting was fixed to be held on 25/01/2008 under the Chairmanship of Sh. A.N. Chowdhry, Chief Engineer at the site of PTU.

Eight Nos. agencies purchased the tenders. The Prebid meeting was held as per schedule and Representatives of the following agencies attended the Prebid meeting.


- (1) M/S Madhu Irrigation Tech. Chandigarh.
- (2) M/S Water Tech. India Mohali.
- (3) M/S Impearl Green Tech. Mohali.

The minutes of the Prebid meeting were issued to all the eight agencies and the date to receive the tenders was postponed to 7/2/2008.

The following five Nos. Contractors submitted the tenders by due date and time and were opened by the Committee constituted for the purpose by the PTU.

(1) M/S Sun Engineering Co.	Rs.	12.40	lacs.
(2) M/S Impearl Green Tech.	Rs.	9.76	lacs.
(3) M/S Madhu Irrigation Tech.	Rs.	9.85	lacs.
(4) N S Star Tech. Engg. Con (P) Ltd.	Rs.	9.18	lacs.
(5) M/S Water Tech. India	Rs.	8.0255	lacs.

All the above said agencies deposited the required earnest money of Rs. 20000/- and no agency put any condition in the tenders. The Prebid part of the tenders was sent to M/S Archigroup Architects vide PTU reference No. PTU/SE/F/239-241/781 dated 8/2/2008 for evaluation of tenders.



(16/11) (9)

M/S Archigroup vide their reference NO.AA @ PTU/2574 dated 15/2/2008 submitted their evaluation report (Copy attached) and recommend that work may be allotted to M/S Water Tech.India Mohali, the lowest contractor who has quoted about 20% lower than the estimated cost i.e. Rs. 10,00,000 -.

The Committee recommended the award of work to M/S Water Tech.India Mohali, the lowest contractor as recommended by M/S Archigroup Architects for Rs 8.0255 Laes.

Tenders for Landscaping Work (Plantation and upkeep of Trees, Shrubs, Ground Covers and Selection NO. 1 Grass) in the New Campus of P.T.U.

It was explained by Sh. T L Dhall Supertending Engineer that the DNIT for this work has been based on the DNIT adopted by Pb. Govt in Pb. PWD B & R. Tenders for the above said work were invited through Press to be received on 29/02/2008. Four Nos. eligible contractors purchased the blank Tender Documents.

Tenders were submitted by the following three agencies by the due date which were opened by a Committee constituted for the purpose by the P.T.U.

Sr. No.	Name of Contractors	Bid Amount	Checked Amount
1/3	Sh. Surjit Singh Nagi Contractors	Rs. 1269043/-	Rs 1264776/-
2/3	Sh. Rakesh Mahajan Chandigarh	Rs. 1358414/-	Rs. 1222510/-
3/3	Sh. Manoj Kumar Delhi.	Rs. 1349059/-	Rs. 1349059/-

All the three contractors submitted the required Earnest Money of Rs. 28000/- and no condition was put by any of the contractors in the tender.

The estimated cost for this work is Rs. 13.92 laes. Sh. Rakesh Mahajan the lowest contractor was requested by the Committee to offer rebate. He stated that his rates are quite reasonable and he is unable to give any further rebate.

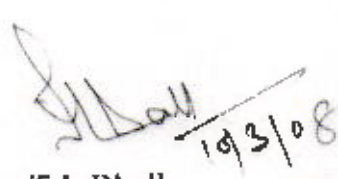
The rates quoted by Sh. Rakesh Mahajan gives a saving of Rs 12.18% over the estimate.

The Committee recommended that work may be allotted to Sh. Rakesh Mahajan the lowest contractor for Rs 1222510/-.

Tenders for Providing and Installation of 2 Nos. Shade Net Green Houses in the New Campus of P.T.U.

The Committee decided that there has been substantial increase in the cost of the materials required to make the Green House. The estimate needs to be updated and fresh quotations may be invited.

The meeting ended with thanks to the chair.


T L Dhall
Superintending Engineer
PTU Jalandhar



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) 2250 9766
E-MAIL : mail@archigroup.org WEBSITE : www.archigroup.org

Reference No. : AA (R) /PTU/2574
Date : February 15, 2008

The Chief Engineer,
Punjab Technical University
86 Green Park,
Jalandhar

Project: The new campus of the Punjab Technical University, Jalandhar.
Subject: Evaluation Report of tenders for the Fountain works.
Reference: Your letter no. PTU/SE/F/239-41/783 dated Feb 12th 2008

Dear Sir,

Please find the evaluation report attached with this note for your kind reference and necessary further action.

Thanking you,

Truly yours,

Rajiv Aggarwal

Encl: as above.

CC: The Dean Academics, Punjab Technical University, Ladowali Street, Jalandhar

Name of the Project : Construction of New Campus at PTU
Name of Work : Designing, Engineering, Supply, Installation, Testing and Commissioning of Fountains and Associated Pumps and lights and other fittings at the New Campus of the Punjab Technical University on Jalandhar kapurthala Highway, Punjab on turnkey basis.
Date : February 15, 2008

Tender Scrutiny Report:

1. The submission date of tenders was extended from the original 31.01.08 to 7.02.08 as per the decision taken in the pre-bid meeting held on 25.1.08.
2. Of the total 8 contractors who bought the documents, 5 contractors submitted the tenders on the stipulated date i.e. on 7.02.2008 at 3.00 PM and the same were opened in the presence of the committee members namely Sh. T.L.Dhall (SE), Mr. S.K.Mishra (COF) and Mr. S.S. Walia (Asstt Officer) in the presence of contractors at 330 PM on the same day.
3. The quotations had been invited on the LS basis. The table below gives the details of the names and un-audited quoted amounts:

S.No.	Name of the Contractor	Quoted amount in INR
1	M/s Sun Engineering Company, Chandigarh	12,40,000
2	M/s Imperial Green Tech, Mohali	9,76,000
3	M/s Madhu Irrigation Tech, Chandigarh	9,85,000
4	M/s Startech Enggcon, Delhi	9,18,000
5	M/s Water Tech India, Mohali	8,02,550

4. It is reported that all the tenders are condition-less.
5. The quotation of M/s Water Tech India, Mohali at Rs. 8,02,550/- is the lowest and about 20% lower than the estimated cost of Rs. 10,00,000/-.
6. It is recommended that M/s Water Tech India, Mohali, should be awarded the job. The applicable taxes shall be paid or deducted as per the tender document.


Rajiv Aggarwal
15.02.2008

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

Contents of M/S IVRCL I&P Ltd letter No.IVRCL/I&P/PTU/08-09/38 dated 1/3/2008. Comments.

- REF:- 1) Your letter No.PTU/Const/001/378-380 dated 20th Jan. 2006.
 2) Your letter No.PTU/XEN/IVRCL/438-442/14797 Dt. 4th Jan.07
 3) Our letter NO.IVRCL/DZO/PTU/8899 Dated 23rd April,2007
 4) Your letter No.PTU/SE/IVRCL/256-263/18032 dated 31/07/2007

Dear Sir,

In continuation to our letter No.IVRCL/PTU/07-08/464 dated 04/08 and above mentioned references, we invited your kind attention to the following points for granting us further time extension for the wing A,B & Core upto 31st Oct.2008 and Wing C upto 15th Feb.2008

With a view to complete the above said works within the extended time, we took all the necessary steps including augmentation of additional resource mobilization. But even after our best since efforts, the works are not expected to be completed within the revised time frame for the reasons beyond our control and not attributable to us. In this contest 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 for Change in Specifications:-

The Red Stone Cladding in the core area has been changed to white Stone Cladding which measures 2000 Sq mtrs. The decision was conveyed vide your letter No.PTU/SITE/SE/SP/1001 dated 20/10/2007 and we have to fix fresh vendors which took long time thus resulting in delay in completion.

2. Delay in receipt of decisions and drawings:-

Red Stone Cladding has been changed to White Stone Cladding by the Architect to give visual effect. The change has been approved by the Architectural Sub Committee headed by Dr.R.S.Khandpur and finally approved by the Standing Building Construction Committee. Supplies have started arriving at site.

Perusal of the Annexure shows that most of the drawings stand issued by the

<p>Core area railing drawing No.PTU/SK-38 received on 25/02/08 Which have delayed the work. The Details are attached as Annexure "A" Details of drawings received late.</p>	<p>end of Sept.2007.The drawings issued late are not a cause for delay.</p>
<p>3. Interruption in work in B-Block The University directed that the B-Block Second Floor shall be occupied for their use in Unfinished Conditions for about two months which is against the normal procedure of execution of work which shall result in delay for completion of work as many activities of works shall be held up because of this.</p>	<p>Portion of the B-Block has been decided not to be occupied.</p>
<p>4. Vendor Problem:- The approved Vendor of Expansion Joint which is specialized item is not delivering materials as per agreed schedule which is beyond our control, now we are trying for other approved vendors for early completion.</p>	<p>This is problem of the Agency and there is no hindrance from the University.</p>
<p>5. Nature of Construction of the Building:- Sequence of Construction of this building is different from routine buildings. The outer works and inner works can be executed simultaneously in normal building. In this building the outer work has to be done first as the Cladding work had been designed for jams of all openings which delay the joinery, false ceiling and internal finishing works which have to be executed after the completion of stone cladding work.</p>	<p>The Cladding Work in Jams of the openings does involves more time.</p>
<p>6. Cladding Work. Red Stone cladding work itself is a time Consumed and specialized job and the specialized man power is not available here. We are engaging man power from outside which is not available in abundance as there is boom of civil construction in our country.</p>	<p>This is problem of the Agency and there is no hindrance from the University.</p>
<p>7.Adverse Weather Conditions in the Month of Nov,Dec.2007 and Jan.2008. The weather this time was extremely cold and has broken records of last many years which has resulted in low efficiency of labour during this adverse season. Structural Glazing work for the C-Block was delayed as the Silicon</p>	<p>The winter has been really severe this year and extension on account of such an act of God is admissible as per agreement.</p>

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Adhesive which is used for jointing of glass took much longer time for drying and setting because of the cold weather.

8. Delay in Payments for Running Account Bills & Secured Advance Bills:-

Delay in R/A Bill Payment also one of the main cause which effected the progress of the work. The details are attached as Annexure "B". In light of the above mentioned points, it is clear that completion of Project in Stipulated time period is beyond our control and delays are not attributable to us. We request your goodness to grant us an extension of time without imposing any liquidated damages for further 120 days i.e. upto 31 Oct. 2008 for the completion of construction of wing A.B & Core and upto 15/02/08 for wing C which has already been completed by 15/02/08.

We will put all our efforts to complete wing A.B and Core well before October 2008. This is our last request for time extension and we will not request for any more time extension.

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

For IVRCL Infrastructures & Projects Ltd.
Sd/- K. PRASADA RAO.

PROJECT MANAGER.

There had been delay in payments but the delay has not been abnormal.

Wing C viz. front block has been virtually completed by 15/02/2008.

The A.B and Core Block were scheduled to be originally completed by 31/08/2007 and Wing C by 31/12/2006. The first extension was granted upto 30/4/2007 and 31/12/2007 respectively for Wing C and Wing A.B and Core vide letter No. PTU/XEN/IVRCL/438-442/14797 dated 4/1/2007. Second extension was granted for Wing C upto 31/12/2007 and upto 30/6/2008 for Wing A.B and Core vide letter No. PTU/SE/IVRCL/256-63/18032 dated 31/7/2007. The extensions have been granted after obtaining approval of the Standing Building Construction Committee.

After the receipt of the request for extension from the Agency, it has been decided to provide Solvent Based Water Repellent on the Stone Cladded façade. M/S IVRCL have been intimated in this regard vide PTU Reference No. PTU/SE/IVRCL/765-768/1254 Dated 10/03/2006. A Specialized Agency is required to be fixed by M/S IVRCL for this activity and a time of atleast two months is required for this. This work is to be done on the whole of the building so the work for the front "C" block may be considered as work being done for A.B and Core i.e. Rear Block.

In view of what is stated above, extension as requested by the Agency is recommended in the interest of the work.

(T.L. Dhall)

Superintending Engineer,

PTU, Jalandhar

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DETAILS OF DRAWINGS ISSUED
FROM 10TH NOV 2007 TO 3RD MARCH 2008
PTU-JALLANDHAR

ANNEXURE - A

SL. NO.	Drawing Title	Drawing No.	Revision	Type of Drawing	No. of Drawing	Receiving date	Remarks
269	First Floor Flooring Pattern	PTU/ARCH/WD/13.11		A/178	2	10/9/2007	
270	M/C Room/Mounty Level plan 1 Slab Details	MISC/S-08		A/179	2	10/9/2007	
271	M/C Room/Mounty Level plan 2 Slab Details	MISC/S-08A		A/180	2	10/092007	
272	M/C Room/Mounty Level plan 2 Slab Details	MISC/S-08B		A/181	2	10/092007	
273	M/C Room/Mounty Level	MISC/S-08C		A/182	2	10/092007	
274	ELECTRICAL ROOM (PANEL) LOCATION GROUND FLOOR G+7	PTU/GFC/AB-ER		EL/52	2	10/092007	
275	SFFXP-400 FLOOR TO FLOOR CONDITION SHEET 1-4	SIL/IVRCL/55 6/07/03-4809		A/183	2	27/09/2007	
276	SFFXP-600 FLOOR TO FLOOR CONDITION	SIL/IVRCL/55 6/07/03-4810		A/184	2	27/09/2007	
277	SWWRT-600, FLOOR TO WALL CONDITIONS	SIL/IVRCL/55 6/07/03-4811		A/185	2	27/09/2007	
278	SWWRT-400, WALL TO WALL CONDITIONS	SIL/IVRCL/55 6/07/03-4812		A/186	2	27/09/2007	
279	SWWRT-400, VERTICLE WALL TO WALL CONDITIONS	SIL/IVRCL/55 6/07/09-5278		A/187	2	27/09/2007	
280	MODEL SWWRT-600 VERTICLE WALL TO WALL JOINT	SIL/IVRCL/55 6/07/03-4813		A/188	2	27/09/2007	
281	MODEL SWWRT-600 VERTICLE WALL TO WALL EXTENSION JOINT	SIL/IVRCL/55 6/07/09-5279		A/189	2	27/09/2007	
282	MODEL SWWRT-400 VERTICLE WALL TO WALL CORNER LOCATION DETAILS	SIL/IVRCL/55 6/07/03-4814		A/190	2	27/09/2007	
283	MODEL SWWRT-400 VERTICLE WALL TO WALL CORNER(EXTERNAL) LOCATION DETAILS	SIL/IVRCL/55 6/07/09-5280		A/191	2	27/09/2007	
284	MODEL SWWRT-600 VERTICLE WALL TO WALL CORNER LOCATION DETAILS	SIL/IVRCL/55 6/07/03-4815		A/192	2	27/09/2007	
285	MODEL SWWRT-600 VERTICLE WALL TO WALL CORNER(EXTERNAL) LOCATION DETAILS	SIL/IVRCL/55 6/07/09-5281		A/193	2	27/09/2007	
286	MODEL SCCT-400 CEILING TO CEILING DETAILS	SIL/IVRCL/55 6/07/03-4816		A/194	2	27/09/2007	
267	MODEL SCCT-600 CEILING TO CEILING DETAILS	SIL/IVRCL/55 6/07/03-4817		A/195	2	27/09/2007	

288	MODEL SCWCT-400 CEILING TO WALL DETAILS	SIL/IVRCL/55 6/07/08-5244	A/196	2	27/09/2007
289	MODEL SCWCT-600 CEILING TO WALL DETAILS	SIL/IVRCL/55 6/07/08-5245	A/197	2	27/09/2007
290	MODEL SCWCT-400 CEILING WALL CORNERLOCATION DETAILS	SIL/IVRCL/55 6/07/09-5203	A/197	2	27/09/2007
291	MODEL SCWCT-600	SIL/IVRCL/55 6/07/09-5284	A/198	2	27/09/2007
292	MODEL SRRLF-400	SIL/IVRCL/55 6/07/03-4818	A/199	2	27/09/2007
293	MODEL SRRLF-600 ROOF TO ROOF	SIL/IVRCL/55 6/07/03-4819	A/200	2	27/09/2007
294	MODEL SRMLF-600 WALL TO ROOF	SIL/IVRCL/55 6/07/03-4820	A/201	2	27/09/2007
295	BILL OF QTY OF EXPENSION JOINT	1 NO SHEET	A/202-203	2	27/09/2007
296	GROUND FLOOR PLAN	SHEET 1-3	A/204	2	27/09/2007
297	FIRST FLOOR PLAN	SHEET 1-3	A/205	2	27/09/2007
298	SECOND FLOOR PLAN	SHEET 1-2	A/206	2	27/09/2007
299	THIRD FLOOR PLAN	SHEET 1-2	A/207	2	27/09/2007
300	FOURTH FLOOR PLAN	SHEET 1-2	A/208	2	27/09/2007
301	FIFTH FLOOR PLAN	SHEET 1-1	A/209	2	27/09/2007
302	SIXTH FLOOR PLAN	SHEET 1-1	A/210	2	27/09/2007
303	SEVENTH FLOOR PLAN	SHEET 1-1	A/211	2	27/09/2007
304	TERRECE FLOOR PLAN	SHEET 1-1	A/212	2	27/09/2007
305	DETAIL OF GRILL GATE	PTU/ARCH/ WD/14.5 R	A/214	2	25/10/2007
306	DETAIL OF RAILING	PTU/SK-19	A/213	2	25/10/2007
307	DEAN'S TOILET	PTU/SK-20	A/215	2	26/10/2007
308	FIRST FLOOR PLAN(REAR WING)	PTU/ARCH/ WD/16.2 R	A/216	2	26/10/2007
309	DETAIL OF DADO IN VC LOBBY		A/222	2	4/12/2007
310	LIFT WELL PLAN	ELEV./07		1	20/12/2007
311	LIFT WELL PLAN	ELEV./08		1	20/12/2007
312	LIFT WELL PLAN	ELEV./09		1	20/12/2007
313	LIFT WELL PLAN	ELEV./010		1	20/12/2007
314	LIFT WELL PLAN	ELEV./11		1	20/12/2007
315	LIFT WELL PLAN	ELEV./12		1	20/12/2007
316	LIFT WELL PLAN	ELEV./13		1	20/12/2007
317	GENERAL ARREGMENT DRAWING	KEI/56448	NO OF PAGES	4	20/12/2007
318	MUNTY/MC ROOM		A/223	2	26/12/2007
319	DETAIL OF RAILING IN CARRIDOR REAR WING	PTU/SK-38	A/224	2	25/02/08
320	A.C. CONTROL ROOM	PTU/SK-39	AC/31		26/12/2007

IVRCL INFRASTRUCTURES & PROJECTS LIMITED, PTU SITE, KAPURTHALA
DETAIL OF PAYMENTS OF RA BILLS FROM 01.07.07 TO 28.02.07

Detail of Bill	Date of Submission	Due Date of Releasing of 70% of Bill As per Boq	Actual Date Released of 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
11 th RA Bill	14.05.07	21.05.07	13.06.07	23 Days	04.06.07	19.07.07	45 days
12th RA Bill	19.06.07	26.06.07	28.06.07	2 Days	10.07.07	19.07.07	09 Days
13th RA Bill	02.08.07	08.08.07	31.08.07	24 days	22.08.07	13.09.07	19 days
14th RA Bill	27.08.07	03.09.07	13.09.07	18 days	16.09.07	03.10.07	17 days
15 th RA Bill	18.09.07	25.09.07	19.10.07	24 days	09.10.07	31.10.07	21 days
16th RA Bill	11.10.07	18.10.07	02.11.07	15 Days	01.11.07	01.01.08	61 DAYS
17th RA Bill	27.11.07	03.12.07	14.12.07	11 Days	18.12.07	01.01.08	13 days
18th RA Bill	14.12.07	21.12.07	08.01.08	18 days	04.01.08	18.01.08	14 days
19th RA Bill	25.01.08	31.01.08	15.02.08	15 days			

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IVRCL INFRASTRUCTURES & PROJECTS LIMITED, PTU SITE, KAPURTHALA
DETAIL OF PAYMENTS OF SECURED ADVANCE BILLS FROM 01.07.07 TO 28.02.07

Detail of Bill	Date of Submission	Actual Date Released of payment
10 th Secured Advance Bill	20.08.07	11.09.07
11 th Secured Advance Bill	01.12.07	12.12.07
12 th Secured Advance Bill	11.12.07	22.12.07
13 th Secured Advance Bill	27.12.07	10.01.07
14 th Secured Advance Bill	15.02.07	

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ANNEXURE - D

15/21

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ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/Xen/IVRCL/438-442/14799

Date: 4.1.07

Sh. M.S Rao
General Manager (P)
M/S IVRCL I&P Ltd.
Delhi Zond Office, B- 117, 2nd floor
Sector 5, NOIDA UP

File no.

Subject :- Construction of Wing A, B & C at PTU site on Jalandhar Kapurthala Highway (Civil, Electrical and PH Works) - Extension of time.

Reference :- Your letter no IVRCL/PMC/PTU/2006-07/7276 dtd. 20/11/2006.

Dear Sir

With reference to the subject mentioned above and the quoted reference, time extension is granted upto 30/04/07 for the Construction of Wing 'C' and upto 31/12/07 for the construction of Wing A, B, and Core to complete the work under clause 6.10, 6.11 and 6.12 page 0079 of the contract agreement subject to the following conditions:-

- No direct or indirect escalation shall be allowed during the extended period and thus the rates of cement and steel shall stand frozen on 30/11/06 for Wing 'C' and on 31/07/07 for wings A, B and Core.
- The Agency shall complete the work by this extended period and no further time extension shall be granted.

You are requested to expedite the progress of work and complete it within the time limit in all respects as per terms and conditions of the Contract Agreement.

Thanking you

Yours sincerely

(T.L. Dhall) 4.1.07
Executive Engineer

CC:

- Sh. R.S. Ball AEE (Civil)
- Sh. Amarjeet Singh AEE (Electrical)
- Sh. D.L. Kochar AEE (PH)
- Project Manager M/S IVRCL I&P Ltd. PTU site.

Received by
4/1/07

Site Office : Jalandhar Kapurthala Highway , KAPURTHALA-144601. Telefax : 0181-5574006

e-mail : tarsemdhall@gmail.com



T. L. Dhall
Superintending Engineer

PTU PUNJAB
TECHNICAL
UNIVERSITY

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/PE/IVRCL/256-262/18032 11/12

Date 31-7-07

To

M/s IVRCL, Infrastructures and Projects Ltd.
4/F, 8-2-596, IVRCL Towers Road No. 10, Banjara Hills
Hyderabad- 500 034

Subject: Construction of Wing A, B and C and Core at PTU Site on Jalandhar
Kapurthala Highway - Request for extension in time

Dear Sir,

M/s IVRCL I & P Ltd vide their letter No. IVRCL/PMC/PTU/CM/2007-08/8957 dated 28/4/07 have requested for the extension of time for 180 days i.e. upto 30th October, 2007 for the Construction of Wing C (Front Block) and upto 30th June, 2008 for the construction of Wing A, B and Core (Rear Block). The matter was discussed by the Standing Building Construction Committee in the meeting held on 4-7-07 wherein it was felt that M/s IVRCL may not be able to complete the work by the dates requested by them. Sh. S.K. Sen, DGM and Sh. K. Parsad Rao, Project Manager of M/s IVRCL were requested to explain their point of view to the Committee, where they stated that they shall be able to complete and handover the Front Block by 31/12/07 and Rear Block complete in all respect by 30/6/08 upto which extension may be granted as per terms & conditions of the Contract Agreement.

The committee decided to grant the time extension as per their request as mentioned above and made it clear to them that this will be the last time extension by which the work may be completed and handed over.

In view of the above, time extension is hereby granted to M/s IVRCL I & P Ltd upto 31/12/07 for the Front Block and upto 30/6/08 for the Rear Block in continuation of PTU letter No. PTU/XEN/IVRCL/438-442/14797 dated 4-1-07 vide which the last extension was granted. This is made clear that no more time extension shall be granted and it may be ensured that the work is completed in all respect by these dates.

Yours sincerely,

T.L. Dhall
30.7.07
(T.L. Dhall)
Superintending Engineer
CC

- i) Dr. V.K. Arora, Dean Academic, PTU, Jalandhar
- ii) Sh. A.N. Chowdhry, Chief Engineer (Const.), PTU, Jalandhar
- iii) Sh. S.K. Mishra, COF, PTU, Jalandhar.
- iv) M/s IVRCL I&P Ltd., Delhi Zonal Office, B-117, 1st Floor, Sector 5, Noida
- v) Project Manager, M/s IVRCL I&P Ltd, PTU site.
- vi) Sh. V.D. Sharma, AEE (Civil), PTU Site
- vii) Sh. A.S. Soni, AEE (Electrical), PTU Site

5.4 Claims, disputes and other matters in question relating to the performance of the Work or the Interpretation of the Contract Documents shall be referred in writing to the Engineer, who will review the referred matter, and convey his decision to the contractor.

5.5 The Engineer shall invite the consultants and contractor as necessary for the co-ordination meetings at which the contractor shall present progress reports, plans and everything that may be required to assess the work status and related matters.

6 Time schedule and delays

6.1 Contract time: The time of completion of the different blocks shall be as follows:

- a. Wing A, Wing B and Core (Basement + G + 7 floors) - 18 calendar months from the date of Commencement; and
- b. Wing C (G + 3 floors) - 10 calendar months from the date of Commencement.

6.2 Commencement of works: The contractor shall commence performance of the work on ward of LOI.

6.3 Time is the essence of the contract and contractor shall undertake to complete the work within stipulated time. In the event the contractor does not complete the work the Employer shall suffer irreparable financial losses and damage which the contractor shall have to make good subject to the terms and conditions of the formal agreement.

6.4 The contractor shall have complete control of the works and shall effectively direct and supervise the work so as to ensure conformity with the contract documents and completion of the works within the time stipulated. He shall be solely responsible for construction means, and methods, techniques sequences and procedures and for coordinating various parts of the works, whether performed by him or by any sub- contractors.

6.5 The totality of this project covered by this contract shall be completed in all respects within the stipulated time. The contractor shall guarantee completion of the works within the stipulated time, or any extension thereof pursuant to general conditions of contract.

6.6 Within 5 days of the award of the contract, the contractor shall furnish the Engineer a detailed program chart for the works, critical path analysis, procurement schedules and all related manpower and other resource schedules (using MS PERT). The schedule shall be reviewed

For IVRCL Infrastructures & Projects Ltd.

Authorised Signatory

Archigroup Architects (P)
December 2005

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by the Engineer, amended if necessary and approved for the implementation by the contractor.

- 6.7 The contractor shall adhere closely to the approved schedule, closely monitor progress of work, promptly report and delays and submit catch up action plans to make good such delays to the Engineer.
- 6.8 Any delays due to any reason **whatsoever** shall be the responsibility of the contractor and shall attract penalties.
- 6.9 Within one fortnight of the occurrence of any of the following, which the contractor might regard as impediments in the progress of work, the contractor shall apply in writing to the Engineer for extension of time, setting out the reasons for delays sought to be condoned. The contractor shall not be entitled to extension of time if he fails to apply as above.
- a. Addition, alteration or substitution ordered in the work, which could have a significant time impact and issued to the contractor an official change order only.
 - b. Act of god or force majeure, i.e. a situation arising out of any occurrence totally beyond the control of the contractor, and explicitly excluding consequences of actions of the contractor or his staff or agents.
 - c. Forced closure of the works by a general political strike and unrest not related to contractor's labour or personnel.
- 6.10 The contractor's application for extension of time in any of the above circumstances shall be considered by the BOG Committee and its decision shall be final and binding.
- 6.11 The granting of any extension of time shall not entitle the contractor to claim any additional remuneration or consideration whatever for costs incurred as a result of such delays or due to cost escalation.
- 6.12 The contractor shall also be liable for all incidental costs and expenses incurred by the Employer on account of the delays including fees payable to the consultants for the entire overrun period until final completion.
- 6.13 Compensation For Delay: The time allowed for carrying out the work as entered in the Tender shall be strictly observed by the Contractor and shall be reckoned from the date on which the order to commence work is given to the Contractor. The work shall throughout the stipulated period of the Contract be proceeded with all due diligence (time being deemed to be the essence of the Contract on the part of the Contractor) and the Contractor shall pay as Liquidated Damages and

For IVRCL Infrastructures & Projects Ltd

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not by way of penalty an amount equal to one percent or such smaller amount as the Engineer may decide, on the value of accepted Tender for every week or part of a week that the work remains uncommenced or unfinished after the expiry of the completion date. And further to ensure good progress during the execution of the work the Contractor shall be bound in all cases in which the time allowed for any work exceeds one month to complete one fourth of the work before one fourth of the whole time allowed under Contract has elapsed; and one half of the work before one half of such time has elapsed and three fourth of the work before three fourth of such time has elapsed. Provided always that the entire amount of compensation to be paid under the provisions of the clause shall not exceed ten percent of the value of the accepted Tender. BOG Committee may on representation from the Contractor reduce the amount of compensation and its decision in writing shall be final.

- 6.14 The Contractor may make a representation to the BOG Committee to reduce the amount of penalty and its decision in this regard shall be final. Any money due to the Contractor or lying to his credit with the PTU will be adjusted from the amount of extra expenses incurred.

7 Employers right to take over work or terminate contract

- 7.1 The Employer shall be entitled to take possession of the site and works and to remove the contractor giving the contractor seven days notice under any of the following circumstances.

7.1.1 If in the opinion of the Engineer, the contractor has failed to proceed with the work with due diligence and failed to make such progress as would enable the works to be completed within the stipulated time.

7.1.2 The contractor has suspended the work in contravention of the conditions of the contract and failed to resume the work within seven days of receipt of such notice from the Engineer.

7.1.3 The contractor has abandoned the work.

7.1.4 The contractor has neglected or failed persistently to implement instructions of the Engineer after due written warnings.

7.1.5 The contractor has sub-let or assigned the work or any part thereof without the written consent of the Engineer.

7.1.6 The contractor has become or is adjudged to be insolvent.

7.2 Use of completed portions: Subject to "6.1" above the Employer shall have the right to take possession of and use any completed or partially completed portion of the work notwithstanding that the time for completing the entire work may not have expired. Taking such

For IVRCL Infrastructure

Geets L M

Chand

July

Signature

ANNEXURE - "G"

16/26

As derived by Honble Vc, may ²²
be included in the Agenda
of the next meeting of
the Committee Cheng
2/3

To

Q.S.

The Vice-Chancellor

Punjab Tech. University
Jalandhar,

Sir,

Respectfully it is submitted as under:

1. That I have come to know from
some reliable source that a post of
Executive Engineer is lying vacant under
your kind control. I offer my services
for the same and request your good self
to kindly appoint me against the said
post. I shall be highly thankful to
you.

D-A. Bivdata/Documents
attached.

dt 31.3.08

yours Sincerely
Mam Mohan Singh Boparai

(Mam Mohan Singh Boparai)
176-II Golden Ave. JAL
Mob. 98158 21822

BIO-DATA

Name : **MANMOHAN SINGH BOPARAI**

Father's Name : **S. Jawala Singh**

Date of Birth : **06-12-1941**

Educational Qualification : **B.Sc (Hons Physics)
B.E. (Electrical)**

Additional Qualification : **S.G.P.C. Scholarship Holder**

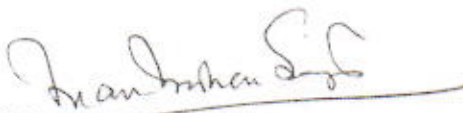
Experience : **Retired as Director/Superintending Engineer from Punjab State Electricity Board, having experience in Construction/Erection of Hydroelectric Power Houses for which appreciation letter from Chairman, Punjab State Electricity Board was received. Have experience in Erection/Distribution of High Tension / Low Tension Lines.**

Permanent Address : **H.No. 176, Phase-II,
Golden Avenue, Jalandhar.**

Contact No. : **98158-21822**

Place : Jalandhar

Date : _____


(MANMOHAN SINGH BOPARAI)

(24)

10/28



ੴ ਸਤਿਗੁਰ ਪ੍ਰਸਾਦਿ ॥

ਰਬ ਨੰ. ੧੬੬

ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ

ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ।

ਧਾਰਮਿਕ ਪ੍ਰੀਖਿਆ ਸਾਲ ੧੯੫੬-੫੭

ਦਰਜਾ ਪਹਿਲਾ (ਮਿਥਲ ਤਕ ਦੇ ਵਿਦਿਆਰਥੀ)

ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ	ਅਨੁਮੋਦਣ ਮਿਲੇ	ਸਪੁਰ	ਸੂਰਜਵਾਲਾ ਮੰਦਿਰ
ਪਿੰਡ ਗੁਰੀਰ ਜ਼ਿਲਾ ਜਲੰਧਰ	ਵਿਦਿਆਰਥੀ	ਖਾਲਸਾ ਹਾਈ ਸਕੂਲ ਲੁਧਿਆਣਾ (ਜਲੰਧਰ)	
ਨੰ. ਨਵੰਬਰ ੧੯੫੬ ਵਿਚ ਹੋਈ ਧਾਰਮਿਕ ਪ੍ਰੀਖਿਆ		੨੦੧	ਨੰਬਰ ਲੈ ਕੇ ਪਾਸ ਕੀਤੀ ਹੈ ਅਤੇ ਸ਼੍ਰੋਮਣੀ
ਗੁ. ਪ੍ਰ. ਕਮੇਟੀ ਪਾਸੋਂ ੬) ਮਾਸਿਕ ਦੋ ਸਾਲ ਲਈ ਵਜ਼ੀਫ਼ਾ ਪ੍ਰਾਪਤ ਕੀਤਾ ਹੈ।			

(Signature)
 ਸਕੱਤਰ (ਟਰਸਟਸ),
 ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ,
 ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ।

ਮਿਤੀ ੧ ਜਨਵਰੀ ੧੯੫੭

T. S. MADAN
Chairman



Phone | 3548 (O)
3189 (R)

Telegram: ELECBOARD

D. O. No. 1171/K /REP-2070

PUNJAB STATE ELECTRICITY BOARD
THE MALL, PATIALA-147001.

Dated 26/7/75

SUB: APPRECIATION OF SERVICES.

-oOo-

My dear Sir,

I feel pleasure in conveying you the appreciation of the Board for completing the works in connection with the renovation programme of Shanan Power House within a period of less than 3 1/2 days, though, a shut down for the purpose was taken for eight days.

With best wishes

Yours Sincerely,

(Er. T.S. Madan)

Er. M.S. Boparai, AEE
Shanan Power House,
Joginder Nagar.

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Punjab State Electricity Board

(as per The Secy. Estt. Gaz. Section I)

Office Order No. 1190 /BEG

Date: 15/12/99

Punjab State Electricity Board is pleased to retire the following Engg. officers from service of Board w.e.f. 31.12.99 A.N. on attaining the age of superannuation :-

S.No.	Name, Code & DOB (Era.)	Posting
1.	V K Gupta, (449) (16.12.41)	Chief Engineer/Metering, Patiala
2.	D P Gambhir, (688) (15.12.41)	Chief Engineer/O&M GNDTP, Bathinda
3.	Satwant Singh Sandhu, (931) (07.12.41)	Dy. CE/Civil to Member/T Patiala
4.	Harjit Singh, (896) (08.12.41)	Dy. CE/PR&C Patiala
5.	M S Boparai, (974) (06.12.41)	Director/Fuel Efficiency & Trg. Lahra Mohabbat
6.	Jawinder Singh Sidhu, (1034) (10.12.41)	S E T L SC Circle Patiala
7.	Bakhshish Singh Ghuman (1289) (11.12.41)	Add. SE Dy. Director ISB Patiala
8.	O P Bansal, (1359) (10.12.41)	Add. SE TRW Patiala

Note:- In case any disciplinary case/outstanding amount crops up at a later stage, the retirement will not affect the disciplinary proceedings/recovery of outstanding amount.

Chander
Dy. Secretary/Ser. Secy. 12.99
for Secretary, PSED, Patiala

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**Nineteenth meeting of the Standing Building Construction Committee dated 11/04/2008****Table Agenda Point No. 19.1****Revised Estimate/Enhancement of Contract amount for the Construction of Boundary Wall, Gaurd and HT Panel Room at PTU Site.**

Detailed estimate for the construction of Boundary Wall and allied works was approved for Rs. 101.99/- Lacs in the 15th meeting of this committee. Tender of the work for an amount of Rs. 9169515=90 paise was approved to be allotted in favour of M/S Star construction co Jandiala Guru in the same meeting. The work is nearing completion. Amount of the executed work is coming to Rs. 106,047,55/- approximately due to the following reasons:-

1) Increase in the quantity of Earth Work

The original amount of earth work i.e excavation and back filling was of Rs. 246580/- where as in actual execution it has increased to Rs. 412023/- because of the reason that the soil under the front Wall is a temporary fill to a depth greater than depth as per drawings and firm soil is available at more depth. In this regard the site was inspected by the Chief Engineer PTU when the excavation work was going on. Different depths had to be provided for the isolated columns for taking the foundations to the firm ground (Inspection note recorded by the Chief Engineer PTU issued vide PTU/Const./Admn-03/455-456 dated 17/10/2007 is attached as Annexure -1).

2) R.C.C.Work

As explained under Point No.1 the foundations of the columns had to be taken deeper than the designed ones because of non availability of firm soil, resulting in increase in RCC work from Rs.3742541/- to Rs. 3910373/- for the front wall.

3) Brick Work

As explained under Point 1, the bricks work also increased from Rs. 3122400/- to Rs. 3416330/- as the foundations had to be taken deeper for the front wall.

4) Steel Work:-

The steel work for grills and gates was of Rs. 705800/- in the original contract which increased to Rs.1382212/- M/S Archigroup Architects the Consultants for the Project explained the reason for the excess as error in calculations of quantity of the structural steel.

5) N.S.Items:-

The following items were not included in the schedule of work in the Contract agreement:-

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1) Supplying and fixing barbed wire
Fencing around Electric Metering Room
(Requirement of PSEB). | Rs. 19835/- |
| 2) Providing and laying Brick on edge
flooring for approach to Metering Room
(Requirement of PSEB). | Rs. 33750/- |
| 3) Providing and fixing of C.I.Jali for drainage. | Rs. 7840/- |
| 4) Removal of old Concrete Blocks
(Fixed for demarcation when land was acquired,
Angle Iron posts and barbed wire fixed over the
blocks were not available when site were taken over) | Rs.31440/- |

Total= Rs. 92865/-

6) Difference in Basic Rate of cost for Cement and Reinforcement Steel:-

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As per the Contract Agreement the basic rates of cement and steel are fixed as under:-

Cement Rs. 220/- Per Bag

Reinforcement Steel Rs. 31000/- Per.M.T.

During actual execution of work the rates of cement and steel increased from the basic rates fixed in contract agreement. The difference of actual purchase rate by the agency from the authorized dealers and the basic rate is payable to the agency which has been verified from the actual vouchers.

The detail is given below:-

Additional Cost of Cement =Rs. 59090/-

Additional Cost of Reinforcement Steel. =Rs.204635/-

Total =Rs. 263725

The summary of excess expenditure is as mentioned below:-

Sr.No.	Item of work Rs/-	Amount as per contract Rs/-	Amount as per actual execution Rs/-	Excess Rs/-
1	Earth work	246580.00	412023.00	165443.00
2.	R.C.C. Work	3742541.00	3910373.00	167832.00
3.	Brick Work	3122400.00	3416330.00	293930.00
4.	Structural Steel	705800.00	138212.00	676412.00
	Sub total			1303617.00
	Less 10% rebate as per the Contract			130361.00
	Net Total 1 to 4			1173256/-
5.	N.S.Items	-	92865.00	92865.00
6.	Different in cost of cement and steel	-	263725.00	263725.00
7.	Savings in other item of work			(-) 94607.00
8.	Total Excess			1435239.00 (15.65%)

The above said variations have been approved by the **Variations and Deviation Committee**, the minutes of which were issued vide PTU/SE/M/823-827/1729 dated 27/03/2008.(Annexure- 2).

The committee may approve the Enhancement of Contract amount and the Revised detailed Estimate to Rs/- 10604755/- which is required as stated above.



Punjab Technical University, Jalandhar

Inspection Note

Subject:- Note regarding inspection on 12th Oct, 2007.

Inspection of the Campus was conducted in the company of the SE, staff and the staff of the contractors. Following points may be noted for compliance:

1. Foundations of the pillars of front boundary wall from the Caparo School side up to the main gate were inspected. It was observed that depths more than shown in design have been dug to reach firm soil. Depths are different for different pillars as height of mounds on the alignment is varying. Depths decided were found OK. The AEE shall check 100% depths of all pillars and SE may counter check some pillars at random before the pits are filled. For identification, all pillars may be numbered.
2. Some gravel for road construction stood collected. Grading of gravel may be checked before further supplies are received.
3. Since VC entry side is to be completed by 15th Dec, 2007, Manholes around the passage should be completed by 21.10.07 as promised by the contractor. Lime mortar chamber may be removed immediately and filled with earth and compacted. Stone cladding and glazing of Rear block on VC entry side has also to be completed by 15th Dec, 2007.
4. Kolah adjoining the lift towards the rear block may be laid immediately.
5. Lift equipment was reported to be reaching by 15th Oct, 2007. Therefore plastering & wiring of lift well to be completed immediately, so that M/s Kone are able to work in the lift well.
6. Cladding of walls in stairs was in progress. Quality was observed to be satisfactory.
7. It was reported by the contractor that stainless steel railing is expected by 15th Oct, which may be ensured. Electric manhole below the stairs may be completed immediately.
8. Colour of structural glazing sections shall be put up to the Architect for approval on 16th Oct. However the architect has advised the colour which is being separately intimated.

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9. The contractor was advised to complete the cladding of jambs immediately, so that glazing is installed to complete the rooms and put locks in a systematic manner. Similarly toilets may be completed and locked so that the same are not misused by the labour.
10. Service block was inspected jointly with Sh. N.S. Bhatli Advisor- Electrical. Good work has been done. Equipment was being installed.
11. AEE- Electrical reported that PSEB are proposing an over head line instead of underground due to problem of right of way along the canal. Site was inspected and it was felt that underground cable may not be feasible. AEE was advised to get the estimate from PSEB expedited.
12. Top of compound wall at the corner near the metering room just touches the road. SE may inspect the site and suggest a solution, may be of barbed wire.

Chief Engineer

Cc To:

1. Superintending Engineer, Punjab Technical University, Jalandhar
2. Advisor- Electrical, Punjab Technical University, Jalandhar

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref No PTU/SE/m/823-827/1729

Date 27/03/08
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1. Sh.A.N.Chowdhry,
Chief Engineer,
PTU-Jalandhar.
2. Sh.N.S.Bhatti,
Advisor Electrical -PTU,
H.No.3040 Sector 19-D,
Chandigarh.
3. Sh.Rajiv Aggarwal,
M/S Archigroup Architects,
5/304,Sikka Complex,
Preet Vihar Community Centre,
Vikas Marg-Delhi.

Subject: Minutes of the meeting of the Committee for the approval of Deviations and Variations in the items to be executed to allow N.S.Items and deciding conflicts in the Contract Agreement of construction held under the Chairmanship of Dr.V.K.Arora Dean Academics on 11/3/2008 at PTU-Site.

Dear Sir,

Please find enclosed herewith minutes of the above said meeting regarding VARIATIONS in the works of Underground Water Tank, External Sewerage, Drainage and Rain Harvesting System and the Boundary Wall for your kind information and further necessary action.

Thanking you,

Yours sincerely,

(T.L.Dhall) 27/3/08
Superintending Engineer.

C.C. COF-PTU-Jalandhar.

2. Sh.V.D.Sharma,AEE (Civil) PTU-Site.
- Encl.Minutes of the meeting- 9 Sheets.

Received Letter
31/3/08

Received
31/3/08

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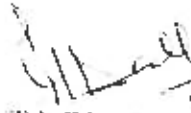
Minutes of the Meeting of the Committee for the approval of Deviations and Variations in the items to be executed to allow N.S.Items and deciding conflicts in the Contract Agreement of Construction held under the Chairmanship of Dr.V.K.Arora Dean Academics on 11/3/2008 at PTU-Site.

The following were present:-

1. Sh.A.N.Chowdhry Chief Engineer PTU.
2. Sh.N.S.Bhatti Advisor Electrical PTU.
3. Sh.Rajiv Aggarwal Architect M/S Archigroup Architects New Delhi.
4. T.L.Dhall Superintending Engineer PTU-Jalandhar.

Variations for the following works were discussed:-

1. **Construction of Underground Water Tank:-**
The variations in different items of work discussed are enclosed as per Annexure "A". The total amount of variations is Rs.1,25,826/- approximately against the contract amount of Rs. 38,24,500/-. The overall expenditure on the work including Deviations and Variations is anticipated to be within the contract amount. The Committee approved the variations as per Annexure "A".
2. **External Sewerage, Drainage and Rain Harvesting System in New Campus of PTU.**
The total amount of the variation is Rs.1,38,328/- as per Annexure "B" approximately against the contract amount of Rs. 47,24,586/-. The overall expenditure on the work including deviations and variations is anticipated to be within the contract amount.
The Committee approved the variations as per Annexure "B".
3. **Construction of Boundary Wall :-**
The estimated cost for this work is Rs. 101,98,724/- and the contract amount is Rs. 91,69,515.90. The variations in different items of work enclosed as per Annexure "C". There shall be overall excess in this work for Rs. 12,26,431/- approximately. The reasons for variations are explained against the item of work. The Committee approved the variations and decided that the case may be put in the Standing Building Construction Committee for the enhancement of contract amount from Rs. 91,69,515.90 to Rs. 103,95,946/90 and the running payment of the contractor shall be made upto Rs.91.70 lacs.


(T.L.Dhall)
Superintending Engineer,
PTU-Jalandhar.

DETAIL OF VARIATIONS(BOUNDARY WALL)

Sr No.	BOQ No.	Item	Description of item.	Qty. as per BOQ	Qty. as Design, drawing executed at site.	per Difference	Rate	Amount	Remarks.
1	1.1		Earth work in excavation in foundation trenches on drains(not exceeding 1.5m in width or 10 Sqm on plan)including dressing of sides and ramming of bottom, left	1889 cum	3603.52 cum	1714.52 cum	100/- cum (less 10% rebate)	154307/-	The increase in quantity is of the reason that there is soft soil under the front boundary wall and foundations had to be taken deeper than the designed one. The site was got inspected by the Chief Engineer and inspection note issued by the Chief Engineer vide reference No. 455-45 dated 17-10-87 is enclosed herewith as Annexure -X
2	2.26		Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc.	1689 cum	2221.41 cum	532.41 cum	20/- (less 10% rebate)	9584/-	Minor Variation.
3	5.42.2.2		Providing and laying imposition, machine batched machine mixed and machine vibrated design mix cement concrete of specified grade etc. M-20 RCC for beams, plinth beams, girders etc.	10 cum	13.59 cum	3.59	5000/- (less 10% rebate)	16155/-	Minor Variation.

4.	5.14.1	Centering and shuttering including strutting, propping etc. and removal of form for foundation, footings, bases of columns etc. for mass concrete.	1035 Sqm	1139.51 sqm.	104.51 Sqm.	80/- (Less rebate 10%)	7525/-	Minor Variation.
5	13.84	12mm thick cement plaster (1:6) mix.	68 Sqm.	203.75 Sqm.	135.75 Sqm.	65/- (less 10% rebate)	7942/-	Minor Variation.
6.	13.9	15mm thick cement plaster 1:6 mix.	68 Sqm.	118.80 Sqm.	50.80 Sqm.	75/- (less 10% rebate)	3429/-	Minor Variation.
7.	13.24.1	6mm cement plaster on ceiling	55 Sqm.	68.54 Sqm.	13.54 Sqm.	65/- (less 10% rebate)	792/-	The Variation is minor
8.	25.8.1	Providing & Laying integral cement based water proofing treatment with av. No. thickness of 120mm and minimum thickness of khuras as 65mm	52 Sqm.	61.40 Sqm.	9.4 Sqm.	4.00 (less 10% rebate)	3384/-	The Variation is minor.
9.	7.4	Structural Steel work in single section, built up section, tabular section plate, flat etc. including cutting, hoisting, fixing in position & applying a providing coat of approved steel primer all complete.	13500 Kg	27245 Kg	13745 /-Kg.	50/- Kg. (less 10% rebate)	618525/-	Sh. Rajiv Aggarwal explained that this variation is due to calculation mistake while calculating the quantities.

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10	5.14.6	Centring, Shuttering including strutting, propping etc & removal of form for columns, pillars, piers abutments posts, struts.	1125 Sqm.	1450.24 Sqm.	325.24 Sqm.	150/- (less 10% rebate)	43907/-	Explained in point No.1
11	4.1	Bricks work with F.P.S. bricks of 1st quality in foundation and plinth C.M.1:5	1250 cum	1372.17 cum	122.17 cum	2400/- (less 10% rebate)	263888/-	Explained in point No.1
12	1.6 N.S.	Diluting and injecting chemical emulsion for pre constructional anti termite treatment complete.	28 Sqm.	69.30 Sqm.	41.30 Sqm.	50/- Sqm (le ss rebate 10%)	1859/-	Minor Variation.
13	11.4	Cement concrete flooring 1:2:4 finished with a floating coat of neat cement 50mm thick.	40 Sqm.	22.06 Sqm.	200/-	200/- Sqm (le ss rebate 10%)	3971/-	Variation due to less calculation only for one room
14	13.70	White Washing New Work.	178 Sqm.	212.54	34.54	10/- Sqm (le ss rebate 10%)	301/-	Minor Variation.
15	5.4.2.1	Providing and laying in position machine based machine mixed & vibrated design mix concrete for RCC-M-20 grade.	243 cum	271.89 cum	28.89	3800/- (less rebate 10%)	98804/-	Explained in point No.1
						+	1230402 /-	
						(-)	3971/-	

G. Total : 14,26,431/-