



A. N. Chowdhry
Chief Engineer (Construction)

19/1

PTU PUNJAB
TECHNICAL
UNIVERSITY

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. P.TU/CONSR/S.B.C.C-02/82-92/2054

Date: 22-04-2008
23

1. Sh.N.S.Kalsi IAS, Joint Director (CS)
Room No.193-A/Z, North Block,
Ministry of Home Affair-Govt.of India,
New Delhi-1.
2. Dr.R.S.Khandpur, Director General,
Pushpa Gujral Science City,
SCO 60-61, 3rd Floor, Sector 34-Chandigarh.
3. Sh.Chandra Mohan, Member BOG,
H.No.202 Sector 36-A Chandigarh.
4. Sh.S.L.Kaushal, Advisor (Architecture)
2865 Sector 42-C Chandigarh.
5. Dr.V.K.Arora, Dean Academics PTU-Jalandhar.

Subject: Minutes of the 19th Meeting of the Standing Building Construction Committee held on 11/4/2008 under the Chair personship of Ms.Tajinder Kaur IAS, Principal Secretary, Technical Education Govt.of Punjab in her office on 11/4/2008 at Chandigarh.

Dear Sir,

Please find enclosed herewith the minutes mentioned in the subject cited above.

Thanking you,

Yours sincerely,

(A.N.Chowdhry)
Chief Engineer,
C.C.

1. P.S.to Vice Chancellor PTU-Jalandhar alongwith the copy of the Agenda.
2. Sh.N.S.Bhatti Advisor(Electrical) 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.
4. Sh.N.K.Nagpal Additional Director, Technical Education Punjab, Sector-36, Plot No.1, 2nd Floor Chandigarh.
5. Sh.T.L.Dhall,Superinceding Engineer PTU-Jalandhar.
6. C.O.F.PTU-Jalandhar.

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

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Subject:- Minutes of the 19th meeting of the Standing Building Construction Committee held on 11th April, 2008 under the Chairpersonship of Ms. Tejinder Kaur I.A.S., Principal Secretary, Technical Education, Govt of Pb, in her office at Chandigarh.

Present:-

1. Sh. Chandera Mohan, Member BOG
2. Dr. V K Arora, Dean (Academics), PTU
3. Sh. S L Kaushal, Advisor (Architecture), PTU
4. Sh. A N Chowdhry Chief Engineer (Construction), PTU

Dr. R S Khandpur expressed his inability to attend the meeting as he had to attend another meeting convened by Science, Technology & Environment Minister.

Attendance:-

1. Sh. N K Nagpal Additional Director Technical Education, Pb
2. Sh. N S Bhatti, Advisor (Electrical), PTU
3. Sh. T L Dhall, SE, PTU
4. Sh. Rajiv Aggarwal Architect, M/s Archigroup, Delhi
5. Ms. June Roy Ghatak Architect, M/s Archigroup, Delhi

Before taking up the regular Agenda, Sh. A N Chowdhry welcomed the chairperson on behalf of the members, this being her first meeting. It was explained that this committee has been constituted by the BOG and is responsible for monitoring all issues arising in the project in the current phase as well as to take decisions on any subsequent work. A Sub Committee with Dr. R S Khandpur as Chairman has been constituted by the Govt for resolving issues regarding Architecture and Technical Design of the systems and estimates.

Sh. Rajiv Aggarwal Architect then explained the concept of the project. Regarding the progress, it was explained that in 1st phase the work of Administration Building has been awarded to M/s IVRCL, Hyderabad. Four storey front Block has been completed and Eight Storey Rear Block has been structurally completed and finishing is in progress. Allied works of External Electrification, Public Health Engineering, Air Conditioning & Road work etc. are also in progress and are in final stage.

The Agenda was there after taken up as under:-

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

- 19.1.1. The Committee approved the detailed estimate amounting to Rs. 13.92 lacs.
- 19.1.2. The Committee approved the tender in favour of the lowest Agency, Sh. Rakesh Mahajan, Chandigarh for Rs. 12,22,510/- (L1 Contractor)

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

The Committee approved the tender in favour of M/S Water Tech., India Mohali for an amount of Rs. 8,02,550/- and directed that filtration of water must be effective. (L1 contractor)

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

The Committee deliberated at length upon this issue and reached the conclusion that a final extension be granted and in the event of failure of the Agency to complete the work in all respects by that date, no further extension shall be granted.

Sarvshri Pratish Barden Sr. DGM, P A Chowdhry AGM and I. S. V. S. R. Gupta of M/s IVRCL, who were waiting outside were called in and requested to explain their view point. They explained the reasons for the extension and assured that they will be able to complete the work by 31/10/2008 up to which they have applied for time extension. They were requested to give an undertaking in this regard, which was submitted by them (Copy Enclosed).

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The committee approved time extension up to 31/10/2008. The Committee advised the University to ensure timely payments to the Agency.

Agenda Item No. 19.4: Construction of Buildings of Phase II

Agenda Item was approved. It was suggested by the Committee that Convention Center costing about Rs. 15.00 Crores, the design of which already stands approved, may be constructed along with these Buildings. In that case cost of work shall be around Rs. 30 crores and good national level Agencies shall come forward for tendering. It will be quite desirable for the quality of the work and contract management as only one Agency shall be involved. For the work of Rs. 13 crore, no such agency may come forward. If however, the University decides not to take up the Convention Centre at this stage, the work may be grouped into three groups.

On query by the Chairperson, it was submitted by Sh. Rajiv Aggarwal that Architecture of all the buildings except Residences type III & V have been approved. Architecture of these residences is being considered by the Architecture Sub Committee in the afternoon and on its finalization, tender document shall be prepared. The Chairperson desired that the programme of construction may be put up in the next meeting.

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

19.5.1 The Committee ratified the already granted extensions as put forward in the agenda.

19.5.2 The Committee approved the extensions for one year as projected in the Agenda.

19.5.3 It was brought to the notice of the Committee that university grants extensions for six months at a time and further extensions are subsequently delayed and salaries of the employees are held up. It was decided that University shall grant extensions for one year.

19.5.4 Sh. A N Chowdhry Chief Engineer submitted that enhancement in pay facilities, increments and other facilities etc. decided by the Committee in the 16th meeting have not been granted. Mr. T L Dhall intimated the Committee that the other employees of the University who are on contract basis are being given pay rises from time to time. The staff is feeling frustrated, particularly due to abnormal hike in prices in general. It was decided that University may consider a pay raise of the construction staff at least from the dates the above extensions are granted.

19.5.5 The Committee was further informed that post of a Supdt, P S and clerk are vacant. It is proposed to appoint a senior Auditor against the vacancy of P S & other two vacancies are also proposed to be filled. The Committee approved the proposal.

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

Proposal was not approved by the Committee as the nature of the project is primarily of Civil Engineering and small Electrical Component is being satisfactorily looked after by Sh. N S Bhatti, Advisor (Electrical) and the other staff. It does not appear that officer of the level of Executive Engineer is necessary.

Table Agenda Item No. 19.1: Revised Estimate/Enhancement of Contract amount for the Construction of Boundary Wall, Guard and HT Panel Room at PTU Site.

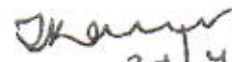
Enclosed table agenda was put up in the meeting which was approved by the Committee.

Meeting ended with thanks to the chair.

Submitted for approval please.

PSFE


Dr. V K Arora
(Dean Academics)


21/4/08

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To

The Superintending Engineer,
P.T.U.,
Jalandhar.

Sub: Construction of wing A,B,C, & Core at PTU site on Jalandhar-Kapurthala Highway – regarding time extension.

Sir,

Refer to our discussion in the Standing Building Construction Committee held on 11th April, 2008, chaired by Mrs. Tejinder Kaur, Principal Secretary to Govt., Punjab, Department of Technical Education & Industrial Training, on the above mentioned subject, we confirm that we will complete the wing A,B and Core in all respect by 31st October, 2008. We have already completed Wing C (G+3) by 15.02.2008.

In this respect our honest request is to release all the backlog and future payments at the earliest possible to expedite the above said work within the mentioned time period.

Thanking you and assuring you our best services.

Dated: 11.4.2008
Place: Chandigarh

Yours sincerely,

P.C. Bardhan

(P.C. Bardhan)
Senior D.G.M.
IVRCL Infrastructure &
Projects Ltd.

Jha
11/4/08
C.P. S.T.E. (Pb)
SE (PTU)

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:-

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.



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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. Kotalh 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. Bhatti 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

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19/9

No PTU/SE/01/823-827/1729

Date 21/9/11

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.

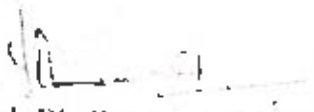
Subject: Minutes of the meeting of the Committee for the approval of Deviations and Variations in the items to be executed to allow N.S.Items and deciding conflicts in the Contract Agreement of construction held under the Chairmanship of Dr.V.K.Arora Dean Academics on 11/3/2008 at PTU-Site.

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)
Superintending Engineer.

C.C. COF-PTU-Jalandhar.

2. Sh.V.D.Sharma,AEE (Civil) PTU-Site.

Encl.Minutes of the meeting- 9 Sheets.

Received
31/3/08

Received
31/3/11

19/10


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 dated 17.10.07 is enclosed herewith as Annexure - A
2	2.2b		Filling available excavated earth (excluding rock in trenches, plinth, sides of foundations etc.	1689 cum	2221.4 cum	532.41 cum	20/- (less 10% rebate)	9584/-	Minor Variation.
3	5.42.2.2		Providing and laying imposition machine hatched machine mixed and machine vibrated design mix cement concrete of specified grade etc M-20 R.C.C. for beams, plinth beams, etc.	10 cum	13.59 cum	3.59	5000/- (less 10% rebate)	16155/-	Minor Variation.

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4.	5.14.1	Centering and shuttering including sootting, 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)	792 -	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 curing, hoisting, fixing in position & applying a providing cost of approved steel panel of 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.

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 10% rebate)	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/-	

Total 12.2