



A. N. Chowdhry
Chief Engineer (Construction)

22/6

PTU PUNJAB
TECHNICAL
UNIVERSITY
ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. Prul/Const/ G.B.C.C. -02/354-359 /8646

Date : 17-06-2009

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,
H.No.202 Sector-36 A Chandigarh.
4. Sh.S.L.Kaushal,
Advisor (Architecture),
2865 Sector 42-C Chandigarh.
5. Ms.Sarojini Gautam Sharda, PCS,
Registrar PTU-Jalandhar.

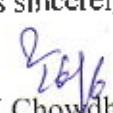
Subject: Construction of New Campus of PTU-20th Meeting of the Standing Building Construction Committee.

Dear Sir,

20th Meeting of the Standing Building Construction Committee shall be held under the Chairmanship of Ms.Tejinder Kaur, IAS, Principal Secretary, Technical Education Punjab at 10.30 A.M. on 22/6/2009 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,


(A.N. Chowdhry)
Chief Engineer-PTU
C.C.

1. PS to Principal Secretary, Technical Education, Govt. of Punjab for kind information of the Principal Secretary please.

Encl. Agenda and Agenda Note.

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PUNJAB TECHNICAL UNIVERSITY-JALANDHAR

SUBJECT: **Agenda for the 20th Meeting of the Standing Building Construction Committee.**

- Item No.20.1 Extension of Time period of Contract of M/S IVRCL,Civil Contractor.
- Item No.20.2 Approval of Tender of Bituminous Road Work at the Gate -
Rs.1,91,585/-
- Item No.20.3 Approval of Detailed Estimate of Landscaping Work of Additional
Area Around Administration Building in New Campus of PTU.
- Item No.20.4 Status of Phase-II of Construction.
- Item No.20.5 Extension of Services of Staff of Construction Cell.
- Item No.20.6 Recasting of Committees regarding Design/Construction Procedures.
- Item No.20.7 Lumpsum Payment of Rs.6.00 lacs to M/S Archigroup Delhi for extra
work for submission of drawings of Phase-II for approval from
JDA,PPCB and Environment Clearance.
- Item No.20.8 Any other point with the permission of Chair.

PUNJAB TECHNICAL UNIVERSITY-JALANDHAR

Subject:- Agenda note for the 20th Meeting of the standing Building Construction Committee.

Agenda Item No. 20.1 :- Extension of Time period of Contract of M/S IVRCL, Civil Contractor.

The work of Construction of Wing A, B, C and Core in the New Campus of PTU was allotted to M/S IVRCL I&P Ltd vide Ref No. PTU/Const/001/378-380 dated 20/01/2006 for a time limit of 10 months for the Front C Wing and 18 months for the Rear A, B and Core Wings. Last extension in the time limit as applied by the Agency upto 15/2/2008 for the Front Block and upto 31/10/2008 for the Rear Block was approved by the Committee in its 19th meeting held on 11/04/2008.

The Agency could not complete the work by the extended date and submitted applications for time extensions as under:-

- (i) Vide No.IVRCL/PTU/08-09/59 dated 22/10/2008 upto 31/12/2008.
- (ii) Vide No.IVRCL/PTU/08-09/67 dated 29/12/2008 upto 31/01/2009.
- (iii) Vide No.IVRCL/PTU/08-09/70 dated 05/02/2009 upto 28/02/2009.
- (iv) Vide No.IVRCL/PTU/08-09/70-A Dated 27/02/2009 upto 31/03/2009.

The work has been virtually completed by 31/03/2009. Comments by the Executive Engineer in annotated form on the reasons put forward by the Agency are enclosed as Annexure-'A' (Page 5).

As per Clause No.6 Page 078 of the Contract Agreement (Annexure 'B' Page 8), competent authority to grant time extension is this Committee.

Put up for the decision of the Committee.

Agenda Item No. 20.2 :- Approval of Tender of Bituminous Road Work at the Gate-Rs.1,91,585/-

Bituminous Road work at the Gate of the University could not be completed in full width as removal of trees in the forest land along the Jalandhar Kapurthala got delayed due to late receipt of clearance for G O I. For the completion of the work tenders were invited and received on 10/02/09. Two Agencies submitted the tenders & Photocopy of comparative statement is attached as Annexure 'C' (Page 11). Lowest offer of M/S Satish Aggarwal at Rs 1,91,585/- gives a saving of Rs 5161/- i.e. 2.62 % over the present day analytical rates.

Committee may approve the award of work to the lowest tenderer as mentioned above .

Agenda Item No. 20.3:- Approval of Detailed Estimate of Landscaping Works of Additional Area Around Administration Building in New Campus of PTU.

The proposal of landscaping of additional area around Administration Building comprising of grassing of 10 m wide strip along the front diversifying roads and plantation of remaining trees and bushes stands approved by the Architectural Sub Committee in its meeting held on 18/11/2008. Detailed estimate amounting to Rs. 18,31,500/- also stands approved by the Sub Committee in its meeting held on 24/02/2009. Selection of trees & bushes is as per plan of the Architects. Tenders have been invited to be received on 2/7/2009.

The Committee may approve the detailed estimate so that work is carried out.

Agenda Item No.20.4:- Status of Phase-II of Construction.

It is proposed to start construction of Residences for Staff, Registrar's Residence, V.C.'s Residence, Guest House, Convention Centre and Sports Complex. The Project is likely to cost Rs.40.00 crores. Before starting construction the approval of drawings from Jalandhar Development Authority and Environmental Clearances from State Environment Impact Assessment Authority are required. Drawings and reports for submission to Jalandhar Development Authority are awaited from Architect. Notice for prequalification of civil agencies has been advertised.

This is for the information of the Committee.

Agenda Item No.20.5 :- Extension of Services of Staff of Construction Cell.

Extension in the services of the staff mentioned below stand approved upto 31/01/2009. Further extensions are required upto 31/03/2010 except in the case of at Sr. No. 7 below who has left and whose extension is required upto 31/03/2009.

Sr. No.	Name	Designation	Date
1	Sh. A. N. Chowdhry	Chief Engineer	31-03-2010
2	Sh. N. S. Bhatti	Advisor (Electrical)	31-03-2010
3	Sh. Amarjeet Singh Soni	AEE (Electrical)	31-03-2010
4	Sh. R. S. Ball	AEE (Civil)	31-03-2010
5	Sh. V. D. Sharma	AEE (Civil)	31-03-2010
6	Sh. Resham Chand	AE (AC)	31-03-2010
7	Sh. Shingara Singh Safri	AE (Electrical)	31-03-2009
8	Sh. Sunil Bhasin	AE (Civil)	31-03-2010
9	Sh. Remesh Chander Sharma	AE (PH)	31-03-2010
10	Sh. Baldev Singh	Quantity Surveyor	31-03-2010
11	Sh. Ram Parkash	Sr. Auditor	31-03-2010
12	Sh. Dilbag Singh	Quantity Surveyor	31-03-2010
13	Sh. Surinder Pal	Pvt. Secretary	31-03-2010

At present the staff is engaged in finalization of accounts and planning of Phase-II. Accounts are likely to be finalized by the end of August when requirement of staff engaged on the job shall be reviewed. Such a staff has consented to go on leave without pay till their services are required for construction of Phase-II.

Committee may approve the extension of the staff upto the date mentioned against each.

Agenda Item NO.20.6 :-Recasting of Committees regarding Design/Construction Procedures.

Following Committees regarding Design/Construction Procedures stand constituted with Dr.R.S.Khandpur D.G.,PGSC and member BOG as Chairman and work of Phase-I has been completed with the stearmanship of these Committees:-

1. Architectural Sub Committee.
2. Committee for the approval of N.S.Items.
3. Tender Evaluation Committee.
4. Pre-bid Committee.

Dr.R.S.Khandpur has desired to be relieved of the Chairmanship of the Committees but has agreed to be a member of the Committees. It is proposed to appoint V.C.as Chairman of these Committees and appoint Dr.R.S.Khandpur as member in addition to other members.

Put up for the approval of the Committee.

Agenda Item No.20.7 :- Lumpsum Payment of Rs.6.00 lac to M/S Archigroup Delhi for extra work for submission of drawings of Phase-II to JDA for approval and PCB for Environment Clearance.

Before starting construction above approvals are mandatory. We have given an undertaking to State Level Environment Impact Assessment Authority that Environment Clearance shall be obtained before starting construction and on this undertaking, violation on our behalf of in case of Phase-I was condoned.

Architects were requested to supply plans vide Reference No.PTU/const/Phase-II/160/3618 dated 04/09/2008. Four sets of plans indicating following requirement of JDA were asked for vide NO.PTU/const/Phase-II/277/6869 dated 17/03/2009:-

- (a) Site Plan.
- (b) Plans, Elevations and sections of proposed Buildings.
- (c) Water Supply, drainage plans, Scheme for fire safety and electrical system for air conditioning.

Architects vide their Reference No.AA (R)/PTU/3002 dated 08/04/2009 (Annexure 'D' Page 15) submitted that supply of drawings is not in their scope and demanded extra fee for it which works out to Rs.12.00 lacs approximately. A meeting was convened with them under the Chairmanship of Dean (Academics) on 21/04/2009 in which they were intimated that preparation of Drawings and Reports is already contained in the Agreement and there is no question of paying any additional fees. They were informed of the same position vide Ref.No.PTU/const/PH-II/309/7651 dated 24/04/2009.(Annexure 'E' Page 16). A Photo copy of the Clause 2.0 of the Contract Agreement defining scope of the work is enclosed as Annexure 'F' Page 17.

When the plans were not forthcoming a meeting was convened with them under the Chairmanship of V.C.on 12/05/2009 in which above position was explained. Sh.S.L.Kaushal Advisor (Architecture) who has been associated with the Project right from the beginning stated in the meeting that much work is not involved which has to be done in any case for the preparation of the final plans. However Sh.S.S.Bais,Principal Chitkara School of Planning and Architecture Rajpura stated that Municipal drawings are different and payment of Architects on man-hour basis can be considered.

V .C.constituted a Committee comprising of Sh.S.L.Kaushal Advisor (Architecture),Sh.S.S Bais,Principal Chitkara School of Planning and Architecture,Rajpura and Sh.A.N.Chowdhry,Chief Engineer to consider the issue. The report of the Committee is as under:-

"The Committee met on 5/6/2009 at Chandigarh. It is observed that preparation of Drawings for Municipal (JDA) approval is not in the scope of the Architect as per the Agreement. Architect has to do extra work and has to prepare as many as 28 drawings as reported by him. For extra work ,extra fee was negotiated with him. The Committee recommends that lumpsum amount of Rs.6.00 Lacs may be paid to him which is acceptable to him."

The recommendation of the Committee is acceptable to the University. However as per decision of the Board of the Governors in its 23rd meeting, Building Construction Committee has been authorized to approve all expenditure inconnection with construction.

The Committee may therefore approve the payment of Rs..6.00 lacs to M/S Archigroup, Architect New Delhi.

Agenda Item No.20.8:- Any other point with the permission of Chair.

ANNOATED REPLY

- 5 -
ANNEXURE - A

22/7

Question

Subject: Construction of Wing A,B & C at PTU site, Jal. Kapurthala Highway-
-Request for Extension of Time limit upto 31/3/09.

Name of Agency:- M/S IVRCL I&P Ltd

Dear Sir,

All the major Cement works have since been completed and the house keeping works is in progress. 98% of the total work has been completed. Work amount i.e. 40 lakhs is balance due to sister agencies. Due to non completion of some works of other agencies and the non approval of rates for the NS Item the following mentioned works were incomplete.

Incontinuation to our letter NO.IVRCL/PTU/08-09/38 Dated 01/03/08, we invited your kind attention to the following points for granting us further time extension for wing A,B and Core upto 31st December 2008 and further requested vide no. IVRCL/PTU/08-09/067 dated 29/12/2008 for extension upto 31/01/2009 and letter no. IVRCL/PTU/08-09/70 dated 5/2/09 for extension upto 28/2/09 & letter no. IVRCL/PTU/08-09/70 dated 27/2/09 for extension upto 31/3/09.

The work of construction of Wing A,B,C & Core Area in New Campus of PTU on Jalandhar Kapurthala Road was allotted to M/S IVRCL I&P Ltd.vide letter No.PTU/XEN/Const/001/378-380 Dated 20/01/06 . The last extension in time limit was granted upto 15/2/2008 for the front block G+3 (Four storey building) and upto 31/10/2008 for the rear G+7 (Eight storey + basement)The front C Block (G+3) was virtually completed by 15/2/2008 and the University started functioning there as per its requirements and convenience. The Rear Block including basement i.e.G+7 was not completed by the agency upto extended date i.e. 30/10/2008. Comments regarding Letter of IVRCL I&P Ltd.No.PTU/08-09/59 Dated 22/10/2008 and further extension upto 31/1/2009 vide No.IVRCL/PTU/08-09/67 D6.29/12/2008 and letter no. IVRCL/PTU/08-09/70 dated 5/2/09 for extension upto 28/2/09 & letter no. IVRCL/PTU/08-09/70 dated 27/2/09 for extension upto 31/3/09 are given as under in annotated from:-.

Application dated 22/10/2008

1. The lift agency has not yet given clearance for the lift wall cladding work, due to which the total cladding works is incomplete in all the lifts (i.e.)Passenger Lifts and Goods Lift.

1. Agreed-The lift agency M/S Kone Elevator India Pvt. Ltd. delayed clearance for cladding work on walls of goods lift and lift in G+3.Clearance was given by M/S Kone Elevator India Pvt Ltd on 25/3/2009 but the agency could not complete remaining work upto the last date of extension viz.31/10/2008.

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2. The approval for Basement Expansion Joint work has been issued vide your letter No.PTU/SE/IVRCL/1189 Dt.26/09/08 but rate for this NS item is not yet approved. In absence of approval of rate for N.S.item, we are not in a position to place the order for the required materials. The urgency for approval of rate was already expressed vide our letter NO.IVRCL/PTU/08-09/56 dt.10/10/08.
3. Similarly the NS rate analysis for Race way stands submitted vide our letter No.IVRCL/PTU/08-09/51 dt.24/09/08. But the race has not so far been approved which has again resulted delay in procurement of material for raceway.
4. The unexpected high intensity rains during July and August has interruptedly disturbed our internal and external works.
5. The A.C.agency has not given clearance for the false ceiling work in some part, so false ceiling and painting works is balance.
6. We are not in a position to test the electrical system in fully as there is not PSEB supply available at the site as on today.
- 7.The disbursement of our RA bills from your side was abnormally delayed than the stipulated time as per the Contract Agreement. Thus the delayed payment had affected abnormally delay in procurement of materials. The payment details were enclosed as per annexure -I.

2. M/S IVRCL I&P were supposed to submit shop Drawing for expansion Joint which were submitted at a later stage on 12/09/2008 and the approval for the same was given vide no. PTU/SE/IVRCL/1189 dated 26/09/08. The approval for N. S. item rate of expansion joint was also sanctioned vide No. PTU/IVRCL/1162-68 dated 25/11/08.
3. Not agreed. N.S. rate were submitted by IVRCL vide No.IVRCL/PTU/08-09/57 dated 24/9/2008 and the same was sanctioned vide No .PTU/SE/IVRCL/1262-66/5103 Dated 25/28-11-08 after proper verification of rates from the market.
4. Not agreed. Rainy season has been normal.
5. Not agreed. Agency to whom Air Conditioning work is allotted could not give clearance for false ceiling to be done by M/S IVRCL I&P Ltd.because of the non availability of power in G+7. M/S Suvidha Engineer India Pvt Ltd completed Air Conditioning work on 15/2/09, so M/S IVRCL I&P Ltd. required more time beyond 15/2/09 to complete false ceiling work.
6. Not agreed.M/S IVRCL I&P Ltd.never asked in writing for providing three phase electric supply . The same would have been given as the Generators stand installed/commissioned at site.
7. Agreed.

Application dated 29/12/2008.

8. Due to extreme prevailing cold weather and extreme fog in the end of December 08, the progress of work has hampered significantly.

9. The decision for providing external special quality paint instead of snocem in shafts was conveyed very late. The rate of special quality paint was submitted by us vide No.IVRCL/PTU/08-09/30 Dt.5/5/2008 and approved vide No.PTU/SE/Wing/1106-1110 dt.14/8/2008

10. The University started functioning in G+3 in February, 2008, so as the construction work in G+7 block was in progress University started to shift material which hampered the progress of work as the work had to be executed with high precautionary measures to avoid any accident with the labour shifting University material through same stairs which are also used for construction purpose.

Application Dated 5/2/2009

11. Expansion joint material is not available in India and is being imported which is likely to reach the site by 7/2/2009.

8. Winter season was normal.

9. Not agreed, because only snocem has been got done in shafts.

10. Work has been hampered to some extent but agency should have completed the work by 31/10/2008 and such a situation could have been avoided..

Not agreed, it was well known that expansion joint material was to be got imported, agency should have arranged the same earlier.

Handwritten signature
15/5/09

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

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

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For IPRC Infrastructure & Services Ltd.
Authorized Signatory
Archigroup Architects (P) Ltd.
December 2005

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 IV RCL Infrastructure

22/13

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 05-10-2001 BY 60322
UCBAW

CONSTRUCTION OF ROADS :- Bituminous Work of Laying 75mm thick B.M. and 30mm thick S.D.B.C. over tack coat in Punjab Technical University Campus on Jalandhar Kapurthala Road.

S.No.	Description	Present Day		M/S Contractor	Rakesh Kumar	M/S Satish Construction (P) Ltd.	Aggarwal Road
		Rate	Amtl.	Rate	Amtl.	Rate	Amtl.
1.	Tack Coat@ 5 Kg/10 sqm. 75mm thick B.M.	19.60	5880/-	20/-	6000/-	19/-	5700/-
2.		2452/-	122600/-	2500/-	125000/-	2410/-	120500/-
3.	30mm thick SDBC	3103/-	68266/-	3100/-	68200/-	3060/-	67320/-
	Total:- Rs.		1,96,746/-		1,99,200/-	Rebate @ 1%	1,93,520/- <u>1935.20</u>
						Say Rs.	1,91,584.80 <u>1,91,585.00</u>

Lowest = M/S Salish Aggarwal Road Construction Pvt.Ltd.=1,91,585/-

Saving over present day rate = 1,96,746 (-) 1,91,585 = 5161/-
Or = 2.68%

Analysis of Rate for Providing Tack Coat

1. Collection of Bitumen 60/70
0.050 M. T. @ 35500/-

Rs 1775.00

2. Labour for Tack Coat on
existing black top Surface

Rs 38.50

3. Add 380% Premium

Rs 146.30

Total

Rs 1959.80

Rate per Sqm

Rs 19.598

Say:-

Rs 19.60 Sqm


ENGINEER
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Analysis of rate for providing and laying designated 75mm compacted thick B.M. over tack coat.

Unit= one M.T.

Density= 2.2 gm/cc

Material one cum

Sr.No.	Name of item	Rate
1.	Collection of 20mm gauge stone metal @ 0.5667 cum @ 788.50/ cum	446.84
2.	Collection of 11.2 mm gauge bajri 0.5667 cum @ 788.50/cum	446.84
3.	Collection of coarse sand 0.283 cum @ 673.30 per cum	190.54
4.	Collection of bitumen @ 4% 0.088 M.T. @ 34465/-	3032.90
	Total: Rs.	4117.14
	Rate per M.T. = 4117.14/2.2 =	1871.42—(A)
5.	Labour for laying and mixing B.M. with an Av. 14 Kms	148.00
	Lead 1 Km.	65.00
	1--13 Kms	213.00
	Total :	1065.00
	Add 500 premium	1278.00
	Total:-	580.90 (B)
	Rate per M.T. 1278/2.2 =	2452.32
	Grand total rate per M.T. A+B	2452.00
	Say:-	

EXECUTIVE ENGINEER
LJAB TECHNICAL UNIVERSITY
JALDHARA

22/15

Analysis of rate for providing and laying 30mm thick compacted SDBC at site of work.

Density 2300 Kg/MT

Material (grading) as per data book (output 1.95 cum material)
 Volum = $2300 \times 0.95 / 1.5 = 1.456$

Plant near Dyalpur

S.No.	Name of Item	Rate (Rs.)
1.	Collection of 12mm bajri 57% = 0.83 cum @ 752/- 20mm nominal aggregate = 0.83 cum @ 788.50	624.00 654.45
2	Collection of Course sand @ 41% of 1.456 = 0.597 cum @ 673.30	401.96
3.	Filler 2% (lime/cement) = $2185 \times 2\% = 43.70$ @ Rs. 4500.00	196.65
4	Bitumen 80/100 @ 5% of mixed material = $2300 \times 5 = 115$ Kg @ 34465/- M.T.	3963.48 <u>5840.54</u>
	Rate per M.T. $34465 / 2.3 = 5840.54 / 2.3 = 2539.36$ (A)	<u>2539.36</u>
5.	Labour for laying SDBC lead 14 Kms 1 Km lead = 151.00 Premium 500% = 755.00 13 Kms lead = 65.00 Premium 500% = 325.00 Rs. = $1296.00 / 2.3 = 563.48$ (B)	<u>563.48</u>
	Total A+B = $2539.36 + 563.48 = 3102.84$ Say: Rate per MT = 3103/-	

TECHNICAL UNIVERSITY

(22/17)



Archigroup Architects (Regd.)

STUDIO : 5/304, SIKKA COMPLEX, PREET VIHAR COMMUNITY CENTRE, VIKAS MARG, DELHI - 110092 TEL : 011-22509786, 011-22509787 FAX : 011-22509787
E-MAIL : mail@archigroup.org WEBSITE : www.archigroup.org

ER

Caw's

15/4

Ref. No. : AA (R)/PTU/ Phase II/ 3002
Date : April 8, 2009

Mr. A.N. Chowdhry (Chief Engineer)
Punjab Technical University
Jalandhar

Project: The new campus of the Punjab Technical University, Jalandhar.
Subject: Submission drawings for PTU

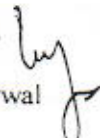
Sir,

With reference to your letter no. PTU/Const/PhaseII/277/6869 dated 17.3.2009 about submission of drawings for approval from PUDA and Jalandhar Development Authority, may we present the following for your kind consideration:

1. At the time of signing the contract with us, the PTU site on the Jalandhar - Kapurthala highway was outside the municipal limits both from Jalandhar and Kapurthala.
2. In order to economize on our fee during negotiations this component was not included in our scope of work. Stages of payment were also decided accordingly without incorporating any stage for payment for these services.
3. Now that additional drawings have to be prepared for this component, we request that additional fee should be paid for the extra work involved at our end.
4. We request that the additional fee for this work may be calculated as per the percentage norms defined by the Council of Architecture in the Comprehensive Architectural Services (copy attached). The council defines under Stage 3 (a) 10% of the total fee on submission of drawings for municipal approval; and (b) 5% on approval of drawings from the authority. In our case the professional fee will be the percentage agreed with you which is much lower than Council's specifications for the fee.
5. This matter is pending for the Phase I building also for which we had supplied the drawings of Phase I for submission to PUDA vide our letter no. AA (R)/PTU/ 1912 dated July 26, 2006 in response to your letter no. PTU/XEN/Archi-01/129 dated 19/07/006 and also for approval from Environment Department.

A confirmation of this may please be conveyed at the earliest so that we can prepare and submit the drawings.

Thanking you,

Truly yours, 
Rajiv Aggarwal

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

Encl: as above



A. N. Chowdhry
Chief Engineer (Construction)

PTU PUNJAB
TECHNICAL
UNIVERSITY

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/Const/PH-II/2009/17651

Date 24-04-2009

M/S Archigroup Architects,
5304 Sikha Complex,
Preet Vihar Community Centre,
Vikas Marg, Delhi.

Subject: Submission of Drawings for PTU.

Dear Sir,

Kindly refer to your Reference No. AAGR/PTU/Phase II/3002 Dated 8/4/2009. The preparation of Drawings, Plans and Reports desired by the University vide No. PTU/Const/Phase II/277-6869 Dated 17/3/2009 is already contained in the scope of work as per the Agreement signed by the University with M/S Archigroup. No additional drawings are required. Therefore there is no question of paying any additional fees. No charges for supplying drawing of Phase-I for approval from PUDDA are pending.

You are requested to supply the drawings immediately as approval from JDA and clearance from State Environment Authority is getting delayed.

Thanking you,

Yours sincerely,

(Signature)
(A.N. Chowdhry)
Chief Engineer.

AND WHEREAS the Architects are willing to undertake Master Plan and Architectural Design consultancy services of the entire project, in consideration of the professional fees to be paid to the Architects, as hereinafter provided on the terms and conditions as set forth hereinafter, and taking into account all activities specified under the scope and elaborated under the clause 2.0 and 3.0 of this agreement.

1.0 DEFINITIONS:


Unless Context or consistency demands otherwise the following terms shall have meaning assigned to them as stated below:

- 1.1 "Architects" shall mean M/S Archigroup Architects (Regd.) which expression shall unless repugnant to the context or meaning thereof includes the Partners of the said firm, or the survivors of them.
- 1.2 "Statutory Authority" shall mean any competent authority established by or under Indian Law and having jurisdiction over any aspect(s) of the project.
- 1.3 "Consultant" shall mean an individual, firm, or company retained or employed by the Architect to perform services.
- 1.4 "Project" shall mean the various buildings as per the program to be given by the University.
- 1.5 "Project Phases" shall mean various phases of the planning and construction as per the requirements of the University.
- 1.6 "Stage(s)" shall mean the division into parts of services to be performed by the Architects in all Project Phases.
- 1.7 "University" shall mean the Punjab Technical University, Jalandhar represented by its Registrar or its authorized officer(s).
- 1.8 "Completion" shall mean that the work on any Project Phase or portion thereof is complete.

2.0 SCOPE OF WORK:

The Architects will be required to provide services in respect of the following:

- 2.1 Taking University's instructions and preparation of design brief.



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- 2.2 Architectural design including structural design for the building blocks.
- 2.3 Sanitary, plumbing, drainage, water supply and sewerage designs.
- 2.4 Electrical, electronic, communication systems and design.
- 2.5 Heating, ventilation and air conditioning design (HVAC) and other mechanical systems.
- 2.6 Elevators, escalators, etc.
- 2.7 Fire detection, Fire protection and Security systems, etc.
- 2.8 Periodic Inspection and evaluation of Construction works.
- 2.9 Use of Non conventional sources of energy.
- 2.10 Innovative latest technologies with cost optimization.
- 2.11 Rain water harvesting.
- 2.12 Recycling of wastewater.
- 2.13 Solid waste Management.
- 2.14 Tender for construction.
- 2.15 Roads and landscaping Architecture.

3.0 SCHEDULE OF SERVICES:

The Architects shall, after taking instructions from the University, render the following services:

3.1 Master Plan Stage (Stage 1):

- 3.1.1 Preparation of concept design showing circulation parking open spaces and external architectural form in plan.

3.2 Master Plan Stage (Stage 2):

- 3.2.1 Obtain approval of all the designs and drawings detailed above from the University after incorporating university's suggestions and modifications.

3.3 Architectural Design Services - Preliminary Design and Drawings [Stage 1]:

- 3.3.1 Ascertain Client's requirements, examine site constraints & potential ; and prepare a design brief for Client's approval.

