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Ph.D. (Cal), Adv. Dip. Bioinformatics  
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Dean (Academics)  
Dean (Pg. & Development)  
Dean (Research & Coordination)

13/1

**PTU** PUNJAB  
TECHNICAL  
UNIVERSITY

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

Ref. No. PTU/COM/1/SBCC-02/05-12

Date 04-01-08

To

1. Dr.R.S.Khandpur, DG, PGSC Chandigarh.
2. Sh.Chandra Mohan Member BOG, Chandigarh.
3. Sh.S.L.Kaushal, Advisor (Architecture), PTU Jalandhar.
4. Sh.A.N.Chowdhry, Chief Engineer (Const.)PTU Jalandhar.

Subject: Construction of New Campus of Punjab Technical University-18<sup>th</sup> Meeting of the Standing Building Construction Committee.

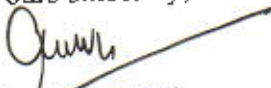
Dear Sir,

18<sup>th</sup> Meeting of the Standing Building Construction Committee shall be held under the Chairmanship of Sh.N.S.Kalsi, IAS, Secretary, Technical Education Punjab at 4.00 P.M on 10/01/08 in his office in Mini Secretariat, Punjab 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 Secretary, Technical Education Govt.of Punjab for kind information of the Secretary, please
2. Sh.N.S.Bhatti Advisor (Electrical,) H.NO.3040, Sector 19-D Chandigarh.
3. Sh.P.K.Sharma, Consultant ,(Landscaping)PTU, Kesari Kuteer  
Saurabh Nagar Palampur (H.P.)-176061.
4. Sh.Rajiv Aggarwal, M/S Archigroup, 5/304 Sikka Complex, Preet Vihar,  
Community Centre Vikas Marg-Delhi.

They are requested to attend the meeting.

Encl. Agenda.

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**PUNJAB TECHNICAL UNIVERSITY JALANDHAR.**

**Subject:** Agenda for the 18th Meeting of the Standing Building Construction Committee.

**Item NO.18.1:** Construction of Amphitheatre.

**Item NO. 18.2:** Consultancy from Central Road Research Institute (CRRI) Delhi for laying of Pavers in Parking.

**Item NO.18.3:** Approval of Landscaping Plan & Detailed Estimate.

**Item NO.18.4:** Any other item with the permission of the Chair.

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**PUNJAB TECHNICAL UNIVERSITY.**

**SUBJECT: Agenda Note for the 18<sup>th</sup> Meeting of the Standing Building Construction Committee.**

**AGENDA ITEM NO.18.1**  
**Construction of Amphitheatre.**

Construction of Amphitheatre being a part of Landscaping was approved by the Committee at Agenda Item NO.14.2 in the 14<sup>th</sup> Meeting held on 03/05/2007. Work stands awarded as a part of tender of Roads etc. As approved by the Committee at Agenda Item NO.17.3.2 in the meeting held on 27/9/2007. However its utility was informally discussed in that meeting when it was reported that it shall be deliberated upon. Matter has been discussed on 2<sup>nd</sup> October 2007 in a meeting held at Delhi with the Architect, which was attended by Advisor (Architecture) Dean(Academics) etc. It was again discussed at site on 16/10/2007 by the same group and observed that Amphitheatre may not be constructed. Drawings have not been issued to the contractor.

Committee may approve the suggestion so that the work is deleted from the scope of the Contractor  
**Agenda Item NO. 18.2**

**Consultancy from Central Road Research Institute (CRRI) Delhi for laying of Pavers in Parking:**

Work of laying Pavers in Parking Stands awarded as a part of Road Works as approved by this Committee in its 17<sup>th</sup> meeting held on 27/09/2007. However the Committee desired that Consultancy from CRRI be arranged for this work. Accordingly matter was referred to them vide Ref. NO.PTU/Const./Roads 0-1/459-461/19071 dated 17/10/2007 (Annexure I) requesting them to intimate charges. In reply they have demanded Rs. 3.00 lacs as charges vide their letter NO.CRRI/PED/PTU/2007-08 dated 25/10/2007 (Annexure II).

Total cost of this work as per approved estimate is Rs. 18.75 lacs and them consultancy charges work out to 16% which is considered very high and it is proposed not to involve CRRI in the work. A team consisting of Chief Engineer, Superintending Engineer and Architect, visited CRRI on 22/10/2007 to discuss the proposal with the Scientists when they intimated that design is O.K. and spelt out some technical inputs (Refer minutes as Annexure III). These inputs shall be strictly adopted.

Put up to the Committee for approval.



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**Agenda Item NO.18.3**

**Approval of landscaping plan & detailed estimate.**

It is proposed to Plant Trees along the compound wall and do landscaping of the portion around the Administration Building including the parking. Proposal of landscaping has been prepared by Landscaping Architect of M/S Archigroup and examined by Advisor (Horticulture) of the University and finalized after mutual discussion amongst them. The plan has also studied by the Registrar and inputs given by her have been included. Detailed Estimate amounting to Rs. 15.46 lacs has been accordingly prepared. Maintenance for one year has been included in the scope...

Committee may approve the Estimate, so that tenders are invited and plantation is done in the next plantation season starting in February,2008.

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**Sh. A.N. Chowdhry**  
Chief Engineer (Construction)



**PUNJAB TECHNICAL UNIVERSITY**  
GREEN PARK 86 JALANDHAR - 144 001 (PB.) INDIA

Ref: PTU/cons-1/Roads-01/459-461/19071

Date: 17-10-07

To

The Director  
Central Road Research Institute  
Mathura Road,  
New Delhi - 110020

T.P. 126832376  
26831780

Subject:- Construction of Parking in New Campus of Punjab Technical University, Jalandhar.

Dear Sir,

Punjab Technical University, Jalandhar is developing its New Campus on Jalandhar- Kapurthala Highway in a plot of approximately 78.00 Acres. M/s Archigroup Architects Delhi have been appointed as Architects. In the 1<sup>st</sup> Phase, Administration Building is under construction.

Sh. Rajiv Aggarwal Architect of M/s Archigroup Architects consulted Dr. Sharma Head of Pavers Deptt. of Central Road Research Institute to provide concrete Pavers in the Parking Area (Approximately 2678 sq mtr). Based on the advice following specifications have been proposed:

- (a) 150 mm thick Granular Base with natural pebbles compacted in two layers.
- (b) One 75 mm thick layer of 63-40 gauge crushed stone metal.
- (c) One 75 mm thick layer of 63-45 mm gauge crushed stone metal.
- (d) One 75 mm thick layer of 53-22.4 mm gauge crushed stone metal.
- (e) 1st Coat of surfacing with 1.7 kg bitumen and bajri
- (f) 60 mm thick concrete pavers of M 40 Grade manufactured by Vibro Hydraulic Technique Italian Pattern 2 Station, laid over 25 mm thick dry sand and grouted with sand.

A plan of the area is enclosed.

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The University intends to obtain consultancy for the job, the scope of which can be:-

- (i) Vetting of the Design.
- (ii) Site visits (may be two).

You are requested to intimate the charges and terms and conditions for the same. Sh. Rajiv Aggarwal shall contact Dr. Sharma for fixing a meeting with the undersigned at Delhi in the next week to finalize the details.

Thanking you.

Yours Sincerely



17/10  
(Sh. A.N. Chowdhry)  
Chief Engineer

Cc To:

1. Sh. Rajiv Aggarwal Architect M/s Archigroup Delhi along with a Drawing
2. Superintending Engineer, PTU, Jalandhar

FC 33



Chief Engineer

Despatch No. 427

Dated 01-11-07

ANNEXURE-II

Receipt No. 65

Date 01-11-07

1317

f.k.

111



Phones 26832173, 26831760,  
(EPBX) 26832325, 26832427  
26313007, 26918934

(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद)

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B1-11-26830480

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# CENTRAL ROAD RESEARCH INSTITUTE

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

Delhi-Mathura Road, P.O. CRRI, New Delhi-110 020 (INDIA)

From : B. M. Sharma,  
Head, Pavement Evaluation Division

No.CRRI/PED/PTU/2007-08  
25<sup>th</sup> October, 2007

To : Sh. A. N. Chowdhry  
Chief Engineer (Construction)  
Punjab Technical University (PTU)  
Green Park, 86  
Jalandhar - 144 001  
(Punjab).

Sub : Construction of Parking In New Campus of Punjab Technical University,  
Jalandhar

Dear Sir,

(ch 26/1) This is in response to your letter No.PTU/Const./Roads-01/459-461/19071 dated 17.10.07 and our meeting in my office on 19-10-2007 on the same subject. This Institute accepts to undertake the above said consultancy assignment which will include the following scope of work :

- (i) Vetting of the Pavement design of Interlocking Concrete Block Paving (ICBP) in the Parking area (approximately 2678 sq.m.) in the new campus of Punjab Technical University at Jalandhar.
- (ii) Visits to the construction site for inspection of works done / being done; Demonstration of the Construction technology / methods ; Quality Checking to determine the suitability of paving blocks; and Laboratory testing of materials and construction standards being achieved. The quality checkings will be done for paving blocks only, in a very limited way, on random sampling basis.

It is proposed to undertake a total of three visits (each visit of about 3-4 days) to the construction site viz.

- a) First visit - just before or immediately after the commencement of construction of paving blocks
- b) Second visit - After 25% of paving blocks work has been completed
- c) Third visit - After about 75% of paving blocks work has been completed.

Representative samples of construction materials (bedding sand and paving blocks) will also be brought to CRRI for detailed laboratory evaluation, if required. Test reports and inspection observations will be submitted to PTU after completion of each visit.

In case the above proposal is acceptable, you are requested to remit, in advance, Institute's consultancy fee of Rs. 3.00 lakh (Rupees Three lakh only) which is inclusive of prevailing Service Tax @ 12.36%. The charges are to be deposited through a Demand Draft / Bank's Pay order in favour of CRRI, payable at New Delhi.

Please feel free to contact the undersigned or Dr. S. D. Sharma (Project Leader), if you require any further clarifications.

Yours Sincerely,

B. M. Sharma  
(B. M. Sharma) 25/10/07

### ANNEXURE - III

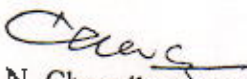
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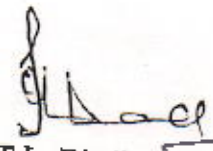
Minutes of the Meeting held on 22.10.2007 in the Central Road Research Institute, Delhi regarding construction of parking:


Present:

| S.No | CRR I  | PTU  |
|------|--|--|
| 1    | Dr. B.M. Sharma,<br>HOD Pavement Evaluation Division | Sh. A.N. Chowdhry<br>Chief Engineer                        |
| 2    | Dr. S.D. Sharma,<br>Scientist F                      | Sh. T. L. Dhall<br>Superintending Engineer                 |
| 3    | Sh. Vinod Sharma,<br>Scientist                       | Sh. Rajiv Aggarwal<br>Architect, M/s Archigroup Architects |

- a) As decided in the last meeting of the Standing Building Construction Committee, a proposal of paver blocks over 3 layers of WBM stands forwarded to CRR I vide PTU reference no. PTU/Const/Roads-01/459-461/19071 dated 17.10.2007. The construction has not been started at site yet and no drawings have been issued to the contractor.
- b) The proposal mentioned above was discussed in detail CRR I scientists and they remarked that the proposed design and specifications are ok for the intended use. However, following may be kept in view:
  - shape of paver should be similar to C of category A on page 7 of the IRC:SP:63-2004 for better interlocking;
  - granular sub base may be extended by 500mm where possible for better drainage;
  - laying of pavers is a skilled job and the sub contractor should be approved keeping this fact in view;
  - moist coarse sand with water content of 8-10% should be used. The pavers laid over this sand may be lightly vibrated with light capacity plate vibrator;
  - no paver should have 28 days strength less than 40KN;
- c) Involvement of CRR I shall be after the laying of WBM and when the laying of pavers is taken up. The team of the CRR I shall conduct 2 visits.
- d) The package for the consultancy shall be intimated by the CRR I in a week's time. In the meantime the construction may be taken in hand.

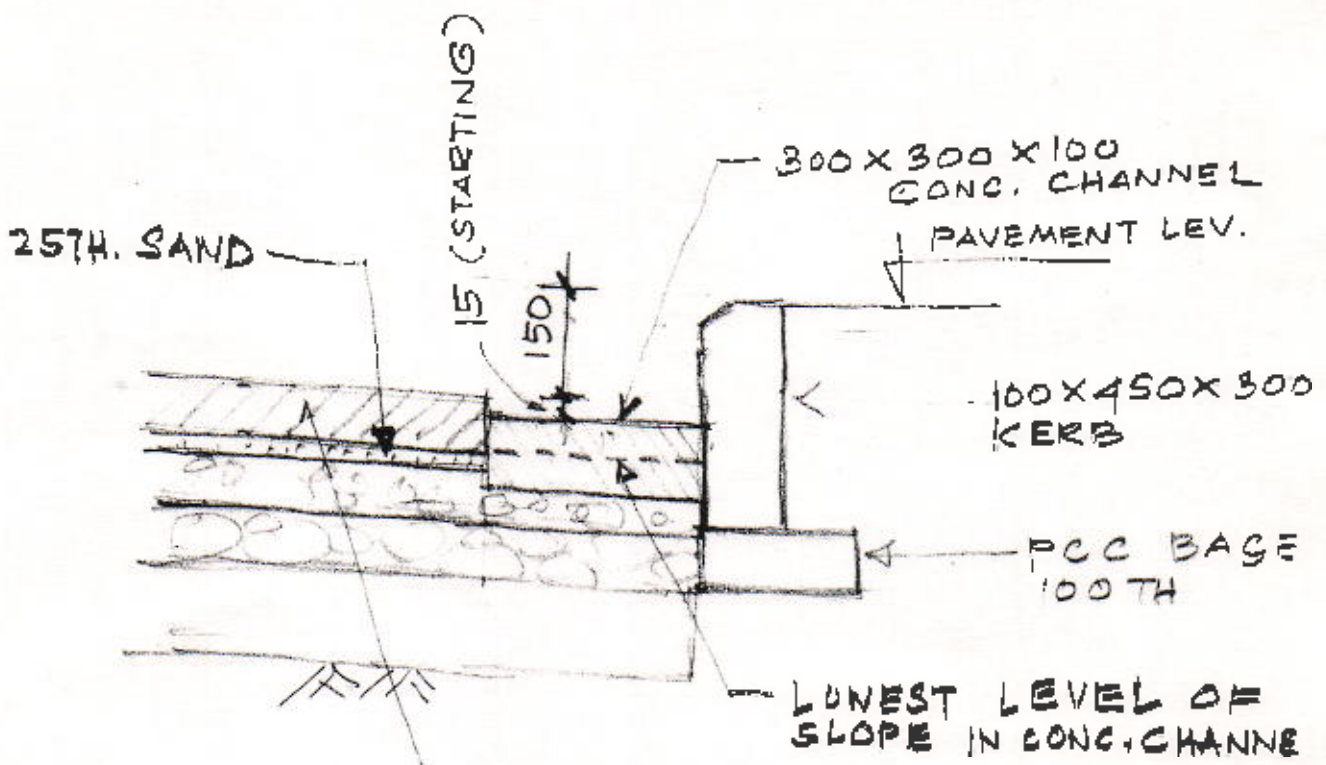
  
A.N. Chowdhry  
CE

  
T.L. Dhall  
SE

  
Rajiv Aggarwal  
Architect



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60 MM TH. PAVER OVER  
25 MM TH. DRY SAND LAID  
OVER BITUMINOUS BASE  
OF MIXED SEAL OVER  
75 MM TH. CRUSHED STONE AS/SPEC  
OVER 75 MM TH. GAUSE STONE  
AS/SPEC. COMPACTED OVER  
150 MM TH GRANULAR BASE  
COMPACTED IN TWO LAYERS  
OVER RAMMED EARTH.

AS/SPEC.

**Agenda Item No 18.4 Supplementary Agenda**

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**18.4.1 Security Lighting around the Boundary Wall**

Proposal has been invited from the Architects and as per detailed estimate supplied by them, the cost is Rs 44.09 Lacs. It was under consideration that the work may be included in the scope of M/s Hightech Erectors who are doing the work of External Electrification and the cost in that case has been intimated by the Architects as Rs38.80 Lacs which includes NS Items costing Rs 21.61 Lacs. The NS Items have not been however analysed. Therefore it is proposed to invite tenders for the work. To save time and money to be spent on advertisement in the Press, it is proposed to invite tenders from the five Contractors recently prequalified by Pushpa Gujral Science City vide their Letter No: PGSC/1487-1491 Dated 11/09/2007. (Copy enclosed). There two Contractors participated in the tender and the work has been allotted to the lowest Contractor who is incidentally M/s Hightech.

The Committee may approve the detailed estimate and inviting of tender as proposed above.



**PUSHPA GUJRAL SCIENCE CITY**  
(A JOINT PROJECT OF GOVT. OF INDIA & PUNJABI GOVT.)

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Jalandhar-Kapurthala Road, Kapurthala (Punjab)-144601  
Phone : 01822-501961-65  
Fax : 91-1822-501966  
Website : www.pgsciencecity.org

Ref No PGSCI 1487-1491

Date : 11-09-2007

List of 5 shortlisted Contractors

**Sub: Shortlisting of Contractors for the External Electrification Work  
(Phase II) PGSC at Kapurthala.**

Dear Sirs,

Please refer to your application for shortlisting your firm for the work cited above as subject.

On the basis of the data furnished by you, PGSC is pleased to shortlist your firm for participating in the tender bids.

A copy of the N.I.T. is enclosed herewith for further action at your firm.

Photocopy of this letter shall be required by this office for purchase of Tender Documents.

Thanking you,

Yours sincerely

O/C

(Devinder Singh)  
Executive Engineer

DA/one

Advised E-mail.