



Er. H.P. Singh
Executive Engineer

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ

PTU PUNJAB
TECHNICAL
UNIVERSITY

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No. 1 of 1997)

Ref No PTU/EC/408

Dated 14.05.2013

The Director,
Department of Technical Education and
Industrial Training, Punjab,
Plot No. 1, Sector-36A, Chandigarh.

Sh. Amrit Sagar Mittal
CMD, Sonalika Tractors Ltd,
Hoshiarpur.

Dr. Buta Singh (Special Invitee),
Director, Punjab Institute of Technology,
Kapurthala

Dr. A. P. Singh (Special Invitee),
Dean/RIC,
Punjab Technical University, Jalandhar.

Dr. Prabhjot Kaur (Special Invitee),
In-charge PTU's Mohali Campus,
C102B, Phase-7 Industrial Area, Mohali.

Sh. Rajiv Aggarwal, Architect
M/s Archigroup Architects,
A-14, Sector-15, Noida -201301.

Sh. S.L. Kaushal,
Chief Architect, Punjab (Retd),
2865, Sector 42-C,
Chandigarh.

Sh. Deepak Mittal, Chairman, CII,
Managing Director,
Sonalika Tractors Ltd, Hoshiarpur.

Dr. H. S. Bains,
Registrar,
Punjab Technical University, Jalandhar.

Sh. S. K. Mishra (Special Invitee),
Finance Officer,
Punjab Technical University, Jalandhar.

Sh. A. N. Chowdhry (Special Invitee),
3-B, Jyoti Nagar,
Jalandhar.

Sub : Construction of new campuses of Punjab Technical University – 38th meeting of the Standing Building Construction Committee.

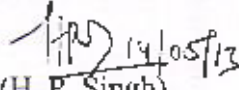
Dear Sir/Madam,

38th meeting of the Standing Building Construction Committee shall be held under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC at 1100 hours on 20.05.2013 in his office at SCO 60-61 (3rd floor), Sector 34-A, Chandigarh. Agenda and Agenda note for the meeting are enclosed.

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

Thanking you

Yours Sincerely,


(H. P. Singh)

Executive Engineer

Copy to : Dr. R. S. Khandpur, DG, PGSC, SCO 60-61, Sector 34-A, Chandigarh.

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Punjab Technical University Jalandhar
Kapurthala Campus : Jalandhar-Kapurthala Highway, Kapurthala-144601
Mobile : 9478098017 www.ptu.ac.in E-Mail : exeptu@gmail.com

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Sub : Agenda for the 38th meeting of the Standing Building Construction Committee.

- Item No. 38.1 : To confirm the Minutes of 37th meeting of Standing Building Construction Committee held on 30.01.2013.
- Item No. 38.2 : Action taken on various items discussed during previous meetings of Standing Building Construction Committee.
- Item No. 38.3 : To discuss and finalize the completion periods and packages (No. of tenders) for invitation of tenders by PWD for the proposed buildings of Punjab Institute of Technology at Kapurthala (main campus) and Nandgarh (Bathinda).
- Item No. 38.4 : To discuss and approve the rough cost estimate based on plinth area rates of CPWD in respect of Punjab Institute of Technical Teachers Training and Research (PITTTR) proposed to be established at Ladowali Road, Jalandhar.
- Item No. 38.5 : To discuss and finalize the estimate submitted by PSPCL for shifting of electric lines from the land allotted to PTU at Karial, near Dharamkot, Moga for establishment of Punjab Institute of Technology.
- Item No. 38.6 : To discuss and finalize the design brief/requirements of the proposed Punjab Institute of Technology at Arniwala Sheikhsubhan, Fazilka.
- Item No. 38.7 : To discuss and finalize the executing agency for construction of proposed buildings of Punjab Institute of Technology at Arniwala Sheikhsubhan, Fazilka and Sikhwala, Block Lambi, Sri Mukatsar Sahib.
- Item No. 38.8 : To discuss and finalize the reduction in payments to the Architect on account of reduction in the scope of work.
- Item No. 38.9 : Any other point with the permission of the Chair.



PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Agenda Note for the 38th meeting of the Standing Building Construction Committee.

Item No. 38.1 : To confirm the Minutes of 37th meeting of Standing Building Construction Committee held on 30.01.2013.

The minutes of 37th meeting of Standing Building Construction Committee held on 30.01.2013 were circulated on 08.02.2013. The minutes circulated are to be confirmed.

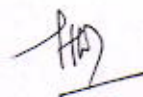
Item No. 38.2 : Action taken on various items discussed during previous meetings of Standing Building Construction Committee.

Action taken on various items discussed during previous meeting of Standing Building Construction Committee is as under: 1

- Based upon the discussions held in 37th meeting of Standing Building Construction Committee, the Architect has revised the plans for Punjab Institute of Technical Teachers Training and Research (PITTTR) proposed to be established at Ladowali Road, Jalandhar and detailed design and drawings have been started.
- Memorandum of Understanding (MOU) has been signed between PTU and Punjab PWD for execution of various works of the University by PWD. Conditions as discussed and agreed during the meetings of Standing Building Construction Committee have been included in the MOU.
- The detailed estimates and other relevant details in respect of the works to be executed for Punjab Institute of Technology, main campus, Kapurthala and Punjab Institute of Technology Nandgarh have been made available to PWD for taking action as per the MOU.

Item No. 38.3: To discuss and finalize the completion periods and packages (No. of tenders) for invitation of tenders by PWD for the proposed buildings of Punjab Institute of Technology at Kapurthala (main campus) and Nandgarh (Bathinda).

1. There are following provisions in the MOU signed between PTU and PWD (copy of the MOU is placed at Annexure-A):
 - a) That the tenders for engagement of contractors shall be invited and finalized by PWD based upon their bidding documents. However, specifications supplied by the Architect of PTU shall also be included in the bidding document. The packages (groups) to be formed for invitation of tenders shall be mutually decided between PTU and PWD.
 - b) That completion period of the various works shall be finalized with the consent of PTU so that the buildings/works are constructed/executed as per the priorities/requirements of PTU.



PTU has made available the estimates for the proposed buildings of Punjab Institute of Technologies at Kapurthala and Nandgarh as per the following details to PWD:

S. No.	Description of Works	Estimated Cost as submitted by the Architect (In lacs of Rs)
1	PIT Kapurthala: New Works: <ol style="list-style-type: none"> 1. College Building - 1 2. College Building - 2 3. Library 4. Seminar Hall Balance works of existing buildings: <ol style="list-style-type: none"> 1. College Building - 3 2. Boys Hostel 3. Girls Hostel 	 3202.83 3113.93 1533.56 199.91 808.58 441.65 434.63
2	PIT Nandgarh: College Building and Administrative Block	 2018.79

The matter is placed before the Committee for discussions and finalization of packages and completion periods of these works.

Item No. 38.4 : To discuss and approve the rough cost estimate based on plinth area rates of CPWD in respect of Punjab Institute of Technical Teachers Training and Research (PITTTR) proposed to be established at Ladowali Road, Jalandhar.

The plans for Punjab Institute of Technical Teachers Training and Research (PITTTR) proposed to be established at Ladowali Road, Jalandhar were approved by Standing Building Construction Committee in its 37th meeting under agenda item No. 37.3. Based upon the plans approved, the Architect has submitted rough cost estimate (placed at Annexure-B) based upon the Plinth Area Rates of CPWD for an amount of Rs. 3919.85 lacs. for this work.

The matter is placed before the Standing Building Construction Committee for discussions and approval of the estimate.



Item No. 38.5 : To discuss and finalize the estimate submitted by PSPCL for shifting of electric lines from the land allotted to PTU at Karial, near Dharamkot, Moga for establishment of Punjab Institute of Technology.

About 15 acres of Panchayat land has been arranged by Punjab Govt. at Karial, Near Dharamkot, Moga for establishment of Punjab Institute of Technology. This land is still to be transferred in the name of Department of Technical Education (DTE)/PTU. Some electric lines are running through this land. In response to PTU's request to DTE for shifting of these lines, an estimate from Punjab State Power Corporation for an amount of Rs. 20.54 lacs has been forwarded to PTU with a request to deposit this amount (copy placed at Annexure-C). In this regard, it is also informed that width of the approach road to this land is less than the minimum requirement of 40'-0" for sanction of CLU.

The matter is placed before the Standing Building Construction Committee for discussions and further directions.

Item No. 38.6: To discuss and finalize the design brief/requirements of the proposed Punjab Institute of Technology at Arniwala Sheikhsubhan, Fazilka.

About 15 acres of Panchayat land has been arranged by Punjab Govt. at Arniwala Sheikhsubhan, Fazilka for establishment of Punjab Institute of Technology. This land has been transferred in the name of PTU and CLU has also been sanctioned. Due to urgency of the works, PTU has already advised PWD to take up the boundary wall works for which design, drawings and estimate for an amount of Rs. 92.78 lacs have been made available to PWD. The estimate for an amount of Rs. 94.61 lacs have been vetted by PWD for this work and notice inviting tenders has been issued.

The University has decided to start the following courses with facilities at this institute:

S. No.	Course	Duration	No. of classes	Student Intake
1	Integrated B.Tech Courses in following disciplines: a) Automobile Engineering b) Food Processing c) Bio Energy and waste Management.	6 Years after 10 th	One for each course	60 Nos. for each course.
2	B. Sc. (Hotel Management)	3 years after 10+2 5 years after 10 th	One for each course	60 Nos. for each course.
3	B. Com (Professional)	3 years after 10+2 5 years after 10 th	One for each course	60 Nos. for each course.

- All the above courses will have the option of Multi Entry and Multi Exit and will have intensive skill development and communication skill curriculum.

- The institute should run from 8.00 AM to 8.00 PM for optimum use of the infrastructure.
- All the courses will be ICT enabled.
- Apart from the above, short term training programmes for Ministerial Secretary ship and accounting etc. may be started.

For construction of institute buildings, based upon the courses finalized by the University, the Architect has prepared detailed requirements of the buildings (placed at Annexure-D) and conceptual plan for the campus, which is to be presented by the Architect in the meeting.

The matter is placed before the Standing Building Construction Committee for discussions and approval of the requirements and conceptual plan.

Item No. 38.7: To discuss and finalize the executing agency for construction of proposed buildings of Punjab Institute of Technology at Arniwala Sheikhsubhan, Fazilka and Sikhwala, Block Lambi, Sri Mukatsar Sahib.

About 15 acres of land has been arranged by Punjab Govt. at Arniwala Sheikhsubhan, Fazilka for establishment of Punjab Institute of Technology and this land has been transferred in the name of PTU and CLU has also been sanctioned. Additionally, about 13 acres of land has been made available by Punjab Govt. to PTU on lease basis at Sikhwala, Block Lambi, Sri Mukatsar Sahib. Sanction of CLU for this land is at final stage. Due to urgency of the works, PTU has already advised PWD to take up the boundary wall works of Punjab Institute of Technology at Arniwala Sheikhsubhan, Fazilka. The design, drawings and estimate for an amount of Rs. 92.78 lacs was made available to PWD for this work against which estimate for an amount of Rs. 94.61 lacs have been vetted by PWD for this work and notice inviting tenders has been issued (copy placed at Annexure-E). Committee is requested to ratify this decision.

Further, University is to start construction of these two campuses.

The matter is placed before the Standing Building Construction Committee for taking decision for getting the construction works done from Punjab PWD of the above two campuses as per the MOU signed between PTU and PWD.

Item No. 38.8 : To discuss and finalize the reduction in payments to the Architect on account of reduction in the scope of work.

At the time of award of the work to M/s Archigroup Architects, Noida for providing comprehensive architectural services for the proposed new campus & institutes at various location in Punjab, it was considered that PTU will engage Project Management Consultant (PMC) for supervision of works. Accordingly, the scope of the work of the Architect was finalized.

However, after award of work to the Architect, PTU decided that the construction works are to be got done from Punjab PWD on deposit basis. Thus, with the revised methodology for execution of work, there has been a minor reduction in the scope of work of the Architect already engaged. To review and finalize the reduction in scope

of work and reduction in rates on this account, a committee consisting of following officers has been constituted by Hon'ble Vice Chancellor :-

1. Dr. H.S. Bains, Registrar
2. Sh. S.K. Mishra, Director/Finance
3. Er. H.P. Singh, Executive Engineer

After going through the scope of work of the Architect already engaged, committee observed that following activities are not likely to be performed by the Architect which are part of his scope of work as per order placed on him :-

S. No.	Item	Reference clause of scope of work
1	Preparation of bid document for invitation of tenders	Stage III d)
2	Check and approve design/shop drawings submitted by the Contractor/Vendor in terms of contract executed with them- Only part work will be done by the Architect.	Stage IV b)
3	Render advice on the suitability of various samples of materials and components, if asked by PTU- Only part work will be done by the Architect.	Stage IV c)
4	Certification of bills by the Architect if asked by PTU	Stage IV e)
5	Issue certificate of Virtual completion of works.	Stage IV f)
6	Assisting PTU in getting power connection from the concerned department.	Stage IV g)

By considering the various facts, committee recommended to reduce the rates (pertaining to design, drawings portion) of the Architect by 5%. Copy of the minutes are placed at Annexure-F.

The matter is placed before the Standing Building Construction Committee for discussions and approval of the above reduction.

Item No. 39.9 : Any other point with the permission of the Chair.

ANNEXURE-A

MEMORANDUM OF UNDERSTANDING (MOU)

This MEMORANDUM OF UNDERSTANDING (MOU) is made at Jalandhar this 24th day of February 2013

BETWEEN

PUNJAB TECHNICAL UNIVERSITY (PTU) through its Registrar having its main campus at Jalandhar-Kapurthala Road, Kapurthala

AND

PUNJAB PUBLIC WORKS DEPARTMENT (PWD) through its Chief Engineer.

The expression PTU and PWD shall wherever the context admits, mean and include their respective legal representatives, successors and assignee and shall collectively be referred to as "Parties" and individually as "Party".

WHEREAS, PTU is established under the Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997) to provide for the establishment and incorporation of a University for the advancement of technical education and development thereof in the State of Punjab and for matters connected therewith.

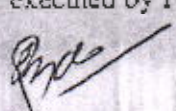
AND WHEREAS, PWD is a department of Punjab Govt. and is responsible for execution and construction of major development works of the state.

AND WHEREAS PTU is in the process of establishing Punjab Institutes of Technologies (PITs), training institutes and other buildings/works at various locations in Punjab and is interested in construction of buildings and other infrastructural works for these institutes.

AND WHEREAS PWD is having experience and infrastructure for construction of buildings and infrastructural works and is willing to execute these works for PTU.


NOW, THEREFORE, the parties have agreed as under:

1. That PWD shall not charge any departmental charges from PTU except 1.5% of actual construction cost towards contingencies charges (Approved by Hon'ble Chief Minister Punjab).
2. That for a particular project/work, concerned Chief Engineer of PWD shall act as 'Chief Co-ordinator' and concerned Executive Engineer of PWD shall be the 'Nodal Officer'. It shall be the responsibility of the Chief Co-ordinator and Nodal Officer to co-ordinate between the various departments/agencies involved in execution of the works.
3. That all the drawings i.e. Architectural, structural etc. shall be supplied by the Architect appointed by PTU. However, these details shall be provided by PTU's Giani Zail Singh College of Engineering and Technology (PTU GZSCET), Bathinda for all the works to be executed within the campus of this college. The works shall be executed by PWD as per the design/drawings supplied by the Architect of PTU.


Registrar
Punjab Technical University
Jalandhar

 12

4. That the agency to be engaged for proof checking of the design supplied by the Architect of PTU shall be mutually decided by PWD and PTU depending upon the nature of the work.
5. That detailed estimates based upon 'Common Schedule of Rates' of Punjab shall be supplied by the Architect appointed by PTU. The same shall be vetted and approved by PWD and then accepted by PTU before taking up the works. However, the detailed estimates shall be prepared by PWD for the works of PTU's Giani Zail Singh College of Engineering and Technology (PTU GZSCET), Bathinda based upon the detailed drawings furnished by the college. PWD shall invite tenders for the works after acceptance of estimate(s) by PTU and Administrative Approval of same shall be accorded by PTU.
6. That the tenders for engagement of contractors shall be invited and finalized by PWD based upon their bidding documents. However, specifications supplied by the Architect of PTU shall also be included in the bidding document. The packages (groups) to be formed for invitation of tenders shall be mutually decided between PTU and PWD.
7. That PWD shall invite composite tenders by including all the internal works of a building in one tender for proper co-ordination and timely completion of the works. However, tenders for external services may be invited, as deemed fit.
8. That completion period of the various works shall be finalized with the consent of PTU so that the buildings/works are constructed/executed as per the priorities/requirements of PTU.
9. That PWD shall be responsible for supervision, quality and safety of works. However, PTU shall nominate a committee for interim inspection of the works. Defects/shortcomings noticed by the committee shall also be got rectified by PWD from the concerned contractor without any extra cost to PTU.
10. That all clearances required for start of the work shall be the responsibility of PTU and whereas, PWD shall arrange all service connections and clearances for making the building/institute operational. However, PTU shall sign the required applications/forms for the same and Govt. fee/charges shall also be paid by PTU.
11. That PWD shall hold progress review meetings at their end so as to ensure that the works are completed within the agreed completion period. PTU officers may also attend these meetings. PWD shall also keep informed PTU about the progress of works at regular intervals. In case, progress review meetings are called by senior officers/Building Committee of PTU, the same shall be attended by a responsible officer of PWD, not below the level of Executive Engineer.
12. That on completion of works, PWD shall handover the works to PTU in good condition. All the guarantees/warranties of the equipments shall be handed over to PTU.


Registrar
Punjab Technical University
Jalandhar




13. That PWD shall be responsible for getting defects/deficiencies rectified from the contractors within the Defect Liability Period. Security Deposit of the Contractor, payable on completion of Defect Liability Period shall be released by PWD.
14. That PTU shall release 10% of the approved estimated cost to PWD on receipt of written request before start of the work for works valuing more than Rs. 100 Lacs. For works, valuing Rs. 100 lacs or less, 20% of the approved estimated cost shall be released. This payment shall be released after publishing of Notice Inviting Tender in News Papers/Press. Further payments shall be released to PWD as per the project requirements and after furnishing of the certified details (to be certified by the Executive Engineer of PWD) of the expenditure incurred out of the funds already released. PTU shall release funds quarterly on the basis of requirement of funds for the next quarter and funds available with PWD out of the funds already released. If required, PTU shall release funds before completion of the quarter. All the funds shall be released to the concerned Executive Engineer.
15. That PWD shall open a separate Bank accounts for PTU works and all receipts and expenditure related to PTU works shall be done from this account. Interest earned on PTU funds shall be credited to PTU accounts. Bank statement of these accounts shall also be submitted by PWD alongwith the expenditure statement.
16. That PWD shall be responsible for recording/verification of measurements of the works done and making payments to the various agencies engaged.
17. That in addition to the actual cost of works, the price variation/escalation payable to the contractors as per contract conditions shall be payable by PTU to PWD. Any amount(s) recovered by PWD from the contractors towards penalty, Liquidated damages etc. shall be credited to PTU.
18. That PWD shall take prior approval from PTU in case the overall actual cost is likely to exceed the sanctioned estimated cost.
19. That on completion of the works, PWD shall submit certified details of the total expenditure incurred for the works vis-a-vis approved estimates.
20. That all type of taxes shall be included in the rates to be quoted by the Contractors at the time of invitation and finalization of tenders. Any applicable tax if imposed after award of work to the Contractor, the same shall be payable by PTU to PWD as per actual.
21. That PWD shall be responsible for compliance and enforcement of all the statutory laws and requirements by their contractors as per their bidding documents applicable for execution of works such as labour laws, Environmental, Income Tax, Service Tax etc.
22. That all the disputes, Arbitration cases relating to the contractors shall be handled by PWD. Efforts shall be made by PWD to avoid any disputes with the contractors. However, any arbitration award if become payable to the Contractor(s) on this

account shall be payable by PTU. All expenditures on account of litigation/arbitration shall be borne by PTU.

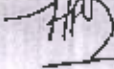
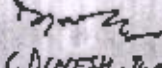
23. This MOU shall be governed in accordance with the Laws in India. It is agreed between the parties that Courts of district Jalandhar shall have the jurisdiction in case of any litigation between the parties.
24. This MOU shall remain valid for three years from the date of signing of the MOU. This MOU can be extended beyond three years if agreed between the parties. Any of the party can terminate the MOU by giving three months notice during the currency of the MOU. In case of termination of MOU, works already approved and/or under progress shall be completed by PWD/PTU as per MOU.

IN THE WITNESS WHEREOF the parties have executed these presents on the day, month and year written above.

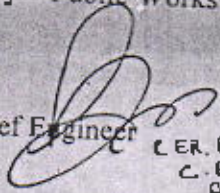
Signed and delivered for and on behalf of
Punjab Technical University

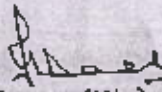

(Dr. H. S. Bains)
Registrar
Punjab Technical University
Jalandhar


In the presence of Witness:

1.  H.P. Singh
XEN/PTU
2. 
(DINESH JAISWAL)
AR (ALA)

Signed and delivered for and on behalf of
Punjab Public Works Department


Chief Engineer
(ER. RAM PAUL)
C. E. North-2
Patiala.

1. 
(ER. T. L. DIAL) Supt. Engg.
Construction Circle No. 2,
PWD B-3, Jalandhar
- 2.


Executive Engineer
Construction Division No. 1,
PWD (B-3) at Kapurthala
(ER. Pawan Kr.)

ANNEXURE-B

**PUNJAB INSTITUTE OF TECHNICAL
TEACHER TRAINING &
RESEARCH, LADOWALI STREET,
JALANDHAR
Preliminary Estimate**

May 03, 2013

Client:

**PUNJAB TECHNICAL UNIVERSITY
JALANDHAR**

Architect:

ARCHIGROUP ARCHITECTS (REGD.)

**A-14, First Floor, Sector 15, Noida
Tel: 0120- 4312431**

[This preliminary estimate covers the probable cost of construction of Academic block, hostel block 7 basement excluding contingencies and departmental charges.]

LIST OF CONTENTS

Preamble to Preliminary Estimate.....	1-3
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Preliminary Estimate

Summary	1
Hostel Block.....	2
Academic block	3
Basement	4
Cost of air conditioning	5

Reference Drawings

Academic Block
Hostel Block
Basement

PREAMBLE TO PRELIMINARY ESTIMATE

1. State: PUNJAB
2. Name of Work
 - 2.1. Construction of Punjab Institute of Technical Teacher Training and Research, Ladowali Street, Jalandhar.
 - 2.2. This preliminary estimate of probable cost of Rs. 391,984,737/- (Rs. Thirty nine crores, nineteen lacs, eighty four thousand, seven hundred and thirty seven only) excluding contingencies, cost of external development and departmental charges has been framed by Archigroup Architects (Regd.)
3. History
 - 3.1. This preliminary estimate covers the probable cost of construction of Academic Block, Hostel block and basement. This scope of work was finalized in the 36th meeting of the Building Construction Committee held on October 23, 2012. This estimate is submitted for accord of Administrative approval and expenditure sanction by the competent authority.
4. Design & Scope:
 - 4.1. The proposed buildings shall be constructed as RCC structure. The present estimate and campus consists of the following building:
 - 4.1.1. Academic Block: - The block is G+4 consisting of Seminar Hall for 150 students with tiered seating, Student's Facilitation Centre, Library, Computer lab, Dry Canteen, Administration, Faculty rooms, 8 no. Classrooms and 2 no. tutorials.
 - 4.1.2. Hostel Block- The block is G+4 consisting of 76 no. Single Seater rooms, 16 no. Double Seater rooms, dining with kitchen, 3 no. Vip Suites, Common room etc.
 - 4.1.3. Basement- Basement for parking, meditation hall, stores etc.
5. Civil works: Most of the items to be executed in these buildings are already included in the provisions in the PAR – CPWD for year 2007.
6. The salient features of various provisions are as under:
 - 6.1. Main Building: - The building shall be of R.C.C. framed structure with raft.
 - 6.2. Foundation: - As per structural design based on soil investigation.
 - 6.3. Flooring :-

All areas except lobby	Vitrified tile
Lobby & staircase	Granite
Toilets	Vitrified tiles
 - 6.4. Doors and windows: -
 - 6.4.1. Door & windows frames shall be of Aluminium sections & shutter as per architectural drawings. Structural glazing has been provided at places in the elevation. Fitting shall be steel or aluminum as per architect's requirements.

6.5. **Staircase Railing:** Mild steel railing with multi surface paint/ synthetic enamel in other buildings

6.6. **Toilets:** Floor vitrified tiles and dado up to door level height with glazed ceramic tiles, vitreous china WC, washbasin and urinals.

6.7. **Roofing:** - Terrace shall have coba treatment and false ceiling shall be provided in some areas as per architectural drawing

6.8. **Internal Finishing:** cement plaster, oil bound distemper and acrylic emulsion paint and plastic emulsion with putty, doors shall be enamel/ spirit polish finish.

6.9. **External Finishing:** Weather proof paint, structural glazing, stone cladding as per architectural drawings.

7. Electrical services:

7.1. Following provisions have been made in this preliminary estimate.

7.1.1. Fire Extinguisher & hose reel.

7.1.2. Down Comer.

7.1.3. Manual fire alarm

7.1.4. Sprinkler in basement

7.1.5. Internal Electrical Installation, telephone data, networking, power plugs etc.

7.2. All works shall be carried as per CPWD specification with up to date correction slips.

8. Exclusions:

8.1. No provisions have been made in the preliminary estimate for interior decorations, furniture façade lighting, for external development works like roads, rain water harvesting bulk services such as tube wells, pumps, extension of lines, HT- substation equipments, LT distribution system. DG sets, external lighting, IBMS and CCTV access control system etc.

9. Rates

9.1. Rates are based on CPWD PAR of 1.10.2007 and enhanced by prevailing cost index Cost Index @ 61%. For the items not covered under PAR 2007, rates have been derived from market-rates or DSR with appropriate cost index.

10. **T & P** : No special T&P is required all other shall be arranged by the contractor.

11. **Land** : Available.

12. **Method** : By contract after call of tenders.

13. **Time Allowed** : 24 Months from the award of work.

14. Drawings : Following is the list of drawings included in the PAR.

S.no.	Drawing Description	Drawing no.
A	ACADEMIC BLOCK	
1	Floor plan: Ground, Plinth area Calculation	PITTTR/PRE/AC/01.01
2	Floor plan: First, Plinth area Calculation	PITTTR/PRE/AC/01.02
3	Floor plan: Second, Plinth area Calculation	PITTTR/PRE/AC/01.03
4	Floor plan: Third, Plinth area Calculation	PITTTR/PRE/AC/01.04
5	Floor plan: Fourth, Plinth area Calculation	PITTTR/PRE/AC/01.05
6	Floor plan: Ground, Air Conditioned area Calculation	PITTTR/PRE/AC/02.01
7	Floor plan: First, Air Conditioned area Calculation	PITTTR/PRE/AC/02.02
8	Floor plan: Second, Air Conditioned area Calculation	PITTTR/PRE/AC/02.03
9	Floor plan: Third, Air Conditioned area Calculation	PITTTR/PRE/AC/02.04
10	Floor plan: Fourth, Air Conditioned area Calculation	PITTTR/PRE/AC/02.05
11	Floor plan: Ground, Covered area Calculation	PITTTR/PRE/AC/03.01
12	Floor plan: First, Covered area Calculation	PITTTR/PRE/AC/03.02
13	Floor plan: Second, Covered area Calculation	PITTTR/PRE/AC/03.03
14	Floor plan: Third, Covered area Calculation	PITTTR/PRE/AC/03.04
15	Floor plan: Fourth, Covered area Calculation	PITTTR/PRE/AC/03.05
B	HOSTEL BLOCK	
1	Floor plan: Ground, Plinth area Calculation	PITTTR/PRE/HOS/01.01
2	Floor plan: First & Second, Plinth area Calculation	PITTTR/PRE/HOS/01.02
3	Floor plan: Third & Fourth, Plinth area Calculation	PITTTR/PRE/HOS/01.03
4	Floor plan: Ground, Air Conditioned area Calculation	PITTTR/PRE/HOS/02.01
5	Floor plan: First & Second, Air Conditioned area Calculation	PITTTR/PRE/HOS/02.02
6	Floor plan: Third & Fourth, Air Conditioned area Calculation	PITTTR/PRE/HOS/02.03
7	Floor plan: Ground, Covered area Calculation	PITTTR/PRE/HOS/03.01
8	Floor plan: First & Second, Covered area Calculation	PITTTR/PRE/HOS/03.02
9	Floor plan: Third & Fourth, Covered area Calculation	PITTTR/PRE/HOS/03.03
C	BASEMENT	
1	Basement Plinth area Calculation	PITTTR/PRE/BP/01.01

SUMMARY PRELIMINARY ESTIMATE						
S. No.	Building / Component	Plinth Area(Sqm)	Cost In Rs	Air conditioning Cost	Total Cost of building (4+5)	Reference
1	2	3	4	5	6	7
1	Academic block	4,814.79	151,559,780.04	9,038,056.08	160,598,836.12	Pg 2
2	Hostel block	4,225.30	100,035,882.08	4,134,616.01	104,170,498.10	Pg 3
3	Basement	3,427.00	127,215,402.81		127,215,402.81	Pg 4
	TOTAL				391,984,737.03	
	SAY				391,984,737	
	ESTIMATE= THIRTY NINE CRORES, NINETEEN LACS, EIGHTY FOUR THOUSAND, SEVEN HUNDRED & THIRTY SEVEN ONLY					

Academic Block

Type of Building -
Total Plinth Area -
Plinth Area On G. Floor -
Total covered area-
Double height area
No. of storey-
Floor height-

College
4,814.79 sq.m
1,086.32 sq.m
4,179.13 sq.m
199.24 sq.m
G + 4
3.75 m

Refer Dwg No.
Plinth areas PITTR/PRE/AC/01.01 to 05
Covered areas PITTR/PRE/AC/03.01 to 05

Sr.No.	Description	Unit	Qty	Nos	Rate	Amt	Explanation
1	2	3	4	5	6	7 = (4*5*6)	8
1	R.C.C. FRAMED STRUCTURE						
1.1	RCC framed structure upto 3 storeys						
1.1.1	Floor height 3.35m						
a.	Floors	sqm	4,814.79	1.0	13,200.00	63,555,228.00	
1.2	Extra for						
1.2.1	Every 0.3m additional height of floor above normal floor height of 3.35m.	sqm	4,814.79	1.33	150.00	962,958.00	
1.2.2	Every 0.3m additional height of floor above normal floor height of 3.35m.	sqm	199.24	11.17	150.00	333,727.00	For double height areas
1.2.4	Resisting Earthquake forces	sqm	4,814.79	1.0	600.00	3,033,317.70	
1.2.5	Larger Module over 35 sqm	sqm	3,989.79	1.0	990.00	3,949,892.10	
1.2.6	Fire fighting						
	With wet riser system	sqm	4,814.79	1.0	300.00	577,774.80	40% of wet riser cost
1.2.7	Fire alarm system						
	Manual Fire alarm system	sqm	4,814.79	1.0	155.00	746,292.45	
	Total A (1.1.1 + 1.2.1) =					64,518,188.00	
	Total B (1.2.2 to 1.2.7) =					8,641,004.05	
2	SERVICES						
2.1	Internal water supply & sanitary installations	% of A			@ 4%	2,580,727.44	
2.2	External service connections	% of A			@ 5%	3,225,909.30	
2.3	Internal Electrical installations	% of A			@ 12.5%	8,064,773.25	
2.4	Extra for						
2.4.1	Power wiring & plugs	% of A			@ 4%	2,580,727.44	
2.4.2	Telephone conduits	% of A			@ 0.5%	322,590.93	
2.4.3	Data network conduits	% of A			@ 0.5%	322,590.93	
	Total C =	% of A				17,097,319.29	
	Sub Total D = A+B+C					90,256,509.34	
	Add Cost Index (E =)				@ 61%	55,056,470.70	
	Total F = (E+D)					145,312,980.04	
3	Passenger lifts						
3.1	Passenger lift 13 passenger 1.5m/s G+4	nos.	1.00	1.00	1,800,000.00	1,800,000.00	
3.2	Passenger lift 8 passenger 1.5m/s G+4	nos.	1.00	1.00	1,800,000.00	1,800,000.00	
3.3	Extra for						
3.3.1	Additional floor for 13 Pax	nos.	2.00	1.00	90,000.00	180,000.00	
	Total G (3.1+3.2+3.3.1) =					3,880,000.00	
3.4	Add cost index on G (H=)				@ 61%	2,368,800.00	
	Total I =					6,248,800.00	
4	Grand Total (F+I) =					151,561,780.04	

Hostel Block

Type of Building -
Total Plinth Area -
Plinth Area On G. Floor -
Total covered area -
Double height area
No. of storey -
Floor height -

College
4,225.30 sq.m
1,280.10 sq.m
3,831.24 sq.m
1.92 sq.m
G + 4
3.30 m

Refer Drg No.
Plinth areas PITTR/PRE/HOS/01.01 to 03
Covered areas PITTR/PRE/HOS/03.01 to 03

Sr.No.	Description	Unit	Qty	Nos	Rate	Amt	Explanation
1	2	3	4	5	6	7 = (4*5*6)	8
1	R.C.C. FRAMED STRUCTURE						
1.1	RCC framed structure upto 3 storeys						
1.1.1	Floor height 2.9m						
a.	Floors						
1.2	Extra for	sqm	4,225.30	1.0			
1.2.1	Every 0.3m additional height of floor above normal floor height of 2.9m.	sqm	4,225.30	1.33	9,100.00	38,450,230.00	
1.2.2	Every 0.3m additional height of floor above normal floor height of 2.9m.	sqm	1.92	11.00	150.00	845,060.00	
1.2.4	Resisting Earthquake forces				150.00	3,168.00	
1.2.5	Larger Module over 35 sqm	sqm	4,225.30	1.0			For double height areas
1.2.6	Fire fighting	sqm	400.00	1.0	630.00	2,661,939.00	
	With wet riser system				990.00	396,000.00	
1.2.7	Fire alarm system	sqm	4,225.30	1.0			
	Manual Fire alarm system	sqm	4,225.30	1.0	300.00	507,036.00	40% of wet riser cost
					155.00	654,921.50	
	Total A (1.1.1 + 1.2.1) =						
	Total B (1.2.2 to 1.2.4) =					39,295,290.00	
						4,223,064.50	
2	SERVICES						
2.1	Internal water supply & sanitary installations	% of A			@ 15%	5,894,293.50	
2.2	External service connections	% of A			@ 5%	1,964,784.50	
2.3	Internal Electrical installations	% of A			@ 12.5%	4,911,911.25	
2.4	Extra for						
2.4.1	Power wiring & plugs	% of A			@ 4%	1,571,811.80	
2.4.2	Telephone conduits	% of A			@ 0.5%	196,478.45	
2.4.3	Data network conduits	% of A			@ 0.5%	196,478.45	
	Total C =					14,735,733.75	
	Sub Total D = A+B+C					58,254,088.25	
	Add Cost Index (E =)				@ 61%	35,634,993.83	
	Total F = (E+D)					93,789,082.08	
3	Passenger lifts						
3.1	Passenger lift 13 passenger 1.5m/s G+4	nos.	1.00	1.00	1,900,000.00	1,900,000.00	
3.2	Passenger lift 8 passenger 1.5m/s G+4	nos.	1.00	1.00	1,800,000.00	1,800,000.00	
3.3	Extra for	nos.	2.00	1.00	90,000.00	180,000.00	
3.3.1	Additional floor for 13 Pax						
	Total G (3.1+3.2+3.3.1) =					3,880,000.00	
3.4	Add cost index on G (H=)				@ 61%	2,366,800.00	
	Total I =					6,246,800.00	
4	Grand Total (F+I) =					100,036,882.08	

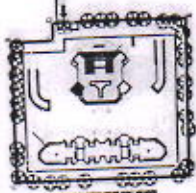
Basement

Type of Building - College
 Total Plinth Area - 3,427.00 sq.m
 Floor height- under non tower area 3.375 m
 Floor height- under tower area 4.870 m

Refer Org No.
 Plinth areas PITTR/PRE/BP001.01

Sr.No.	Description	Unit	Qty	Nos	Rate	Amt	Explanation
1	2	3	4	5	6	7 = (4*5*6)	8
1	R.C.C. FRAMED STRUCTURE						
1.1	RCC framed structure upto 3 storeys						
1.1.1	Floor height 3.35m						
A	Floors	sqm	3,427.00	1.0	18,005.00	61,805,845.00	
1.2	Extra for						
1.2.1	Every 0.3m additional height of floor above normal floor height of 3.35m.	sqm	3,427.00	0.08	1,274.00	363,833.17	
1.2.2	Every 0.3m additional height of floor above normal floor height of 3.35m.	sqm	1,984.71	4.00	1,274.00	10,012,162.18	Under tower
1.3	Fire lighting						
	With sprinkler system	sqm	3,427.00	1.0	450.00	616,361.00	
	Total A (1.1.1 + 1.2.1) =					62,169,778.17	
	Total B (1.2.2 to 1.2.3) =					10,629,022.18	
2	SERVICES						
2.1	Internal water supply & sanitary installations	% of A			@ 4%	2,486,791.13	
2.2	Internal Electrical installations	% of A			@ 6%	3,730,165.69	
	Total C =	% of A				6,216,957.82	
	Sub Total D = A+B+C					79,015,778.14	
	Add Contingency (C =)				@ 61%	40,139,234.67	
	Total F = (D+B)					127,215,022.81	
4	Grand Total (F+I) =					127,215,022.81	

Cost of Airconditioning						
S.No.	Building	Unit	Area	Refrigeration Provided @ 1 TR/125sq.ft	Cost @ 35,000/ TR	Explanation
1		3	4			5
	A C Areas				Cost @ 55,000/ TR	Cost for VRV has been derived on the basis of Detailed estimate of PIU-III, Kapurthala
1	Academic block	Sqm.	1,908.52	164.35	9,039,056.08	
2	Hostel block	Sqm.	1371.84	118.13	4,134,616.01	Split unit considered



KEY PLAN

LEGEND:

PUNTH AREA CONSIDERED 100%

PUNTH AREA CONSIDERED 50%

DOUBLE HEIGHT AREA

CONSTRUCTION NOTE:

1. ALL DIMENSIONS ARE IN METERS (M) & FEET (F).

2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

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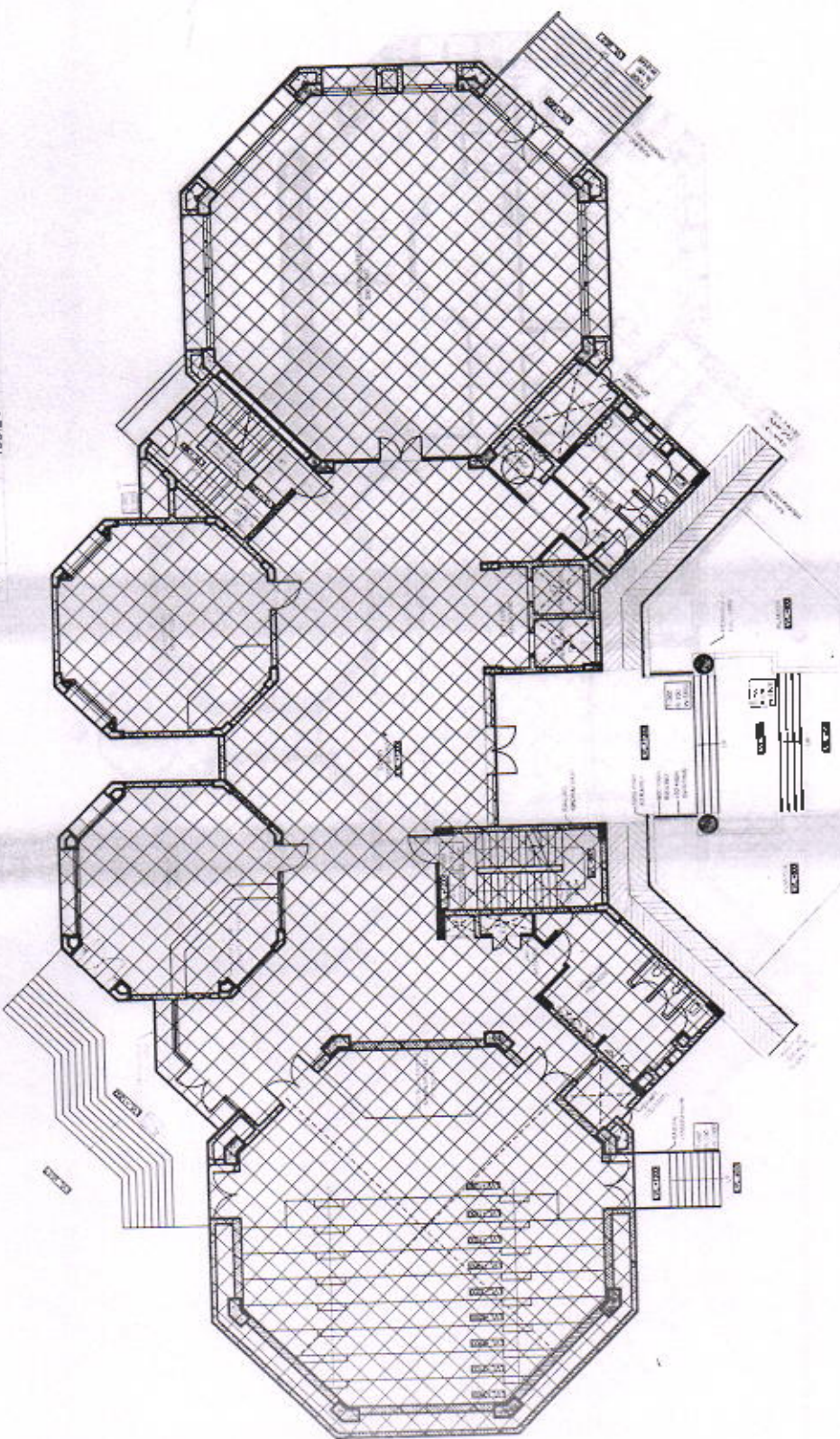
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PUNTH AREA STATEMENT- ACADEMIC BLOCK, PITTR

S. NO	AREA (IN SQ.M)				AREA (IN SQ.FT.)	
	GROUND	FIRST	SECOND	THIRD	FOURTH	TOTAL
1.	1,088.32	814.73	1,032.14	1,127.55	853.96	4,814.79
2.						51,825.39
DOUBLE HT:						2,144.82
DOUBLE HT:						189.24



GROUND FLOOR PLAN

ARCHITECTS

Archigroup Architects (regd.)

Block: P-10, A-10, 1st Floor,

Block: P-10, 1st Floor,

Block: P-10, 1st Floor,

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PROJECT

PUNJAB INSTITUTE OF

TECHNICAL TEACHER

TRAINING & RESEARCH,

LADOWALI STREET, JALANDHAR

CLIENT

PUNJAB TECHNICAL UNIVERSITY

ARCHITECTS

Archigroup Architects (regd.)

Block: P-10, A-10, 1st Floor,

Block: P-10, 1st Floor,

DATE

09.06.2013

SCALE

1:200

PITTR

ACADEMIC BLOCK

GROUND FLOOR

PUNTH AREA CALCULATION

DATE

09.06.2013

SCALE

PROJECT

PUNJAB INSTITUTE OF

TECHNICAL TEACHER

TRAINING & RESEARCH,

LADOWALI STREET, JALANDHAR

CLIENT

PUNJAB TECHNICAL UNIVERSITY

ARCHITECTS

Archigroup Architects (regd.)

Block: P-10, A-10, 1st Floor,

Block: P-10, 1st Floor,



DETHL

LEGEND

PLANT AND CONSTRUCTION | 107

Printed and Published by

STERN | 12. April 2012

CONSTRUCTION MONTHS

5

UNLESS SPECIFIED.

1	WATERBURY	WATERBURY
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PLANTIN APPL.

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PRODUCT

PUNJAB INSTITUTE OF

TECHNICAL LEADER

HOODING & THERMOPHON,

PRINT

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ACADEMIC BLOCK

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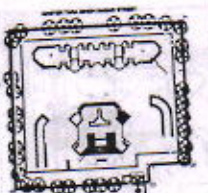
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FIRST FLOOR PLAN



KEY PLAN

LEGEND:

- PLANTY AREA CONSIDERED 100%
- PLANTY AREA CONSIDERED 50%
- DOUBLE HEIGHT AREA

CONSTRUCTION NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
3. ALL MATERIALS TO BE USED ARE TO BE OF GOOD QUALITY.
4. ALL WORK IS TO BE DONE AS PER DRAWINGS.
5. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
6. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
7. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
8. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
9. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.
10. ALL WORK IS TO BE DONE AS PER SPECIFICATIONS.

NO. OF WORKS

DATE

PROJECT

DATE

PUNJAB INSTITUTE OF TECHNICAL TEACHER TRAINING & RESEARCH, JALANDHAR

PUNJAB TECHNICAL UNIVERSITY

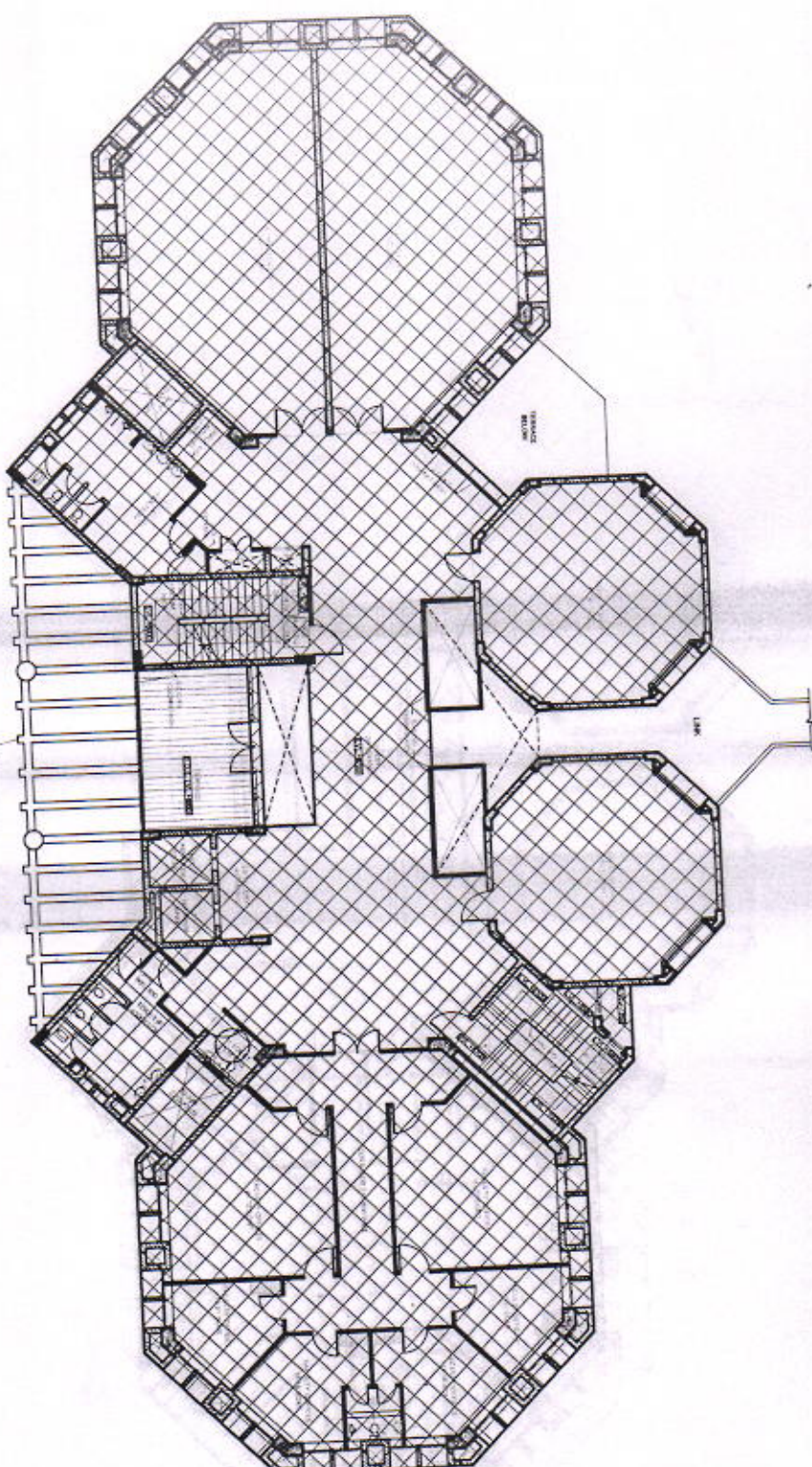
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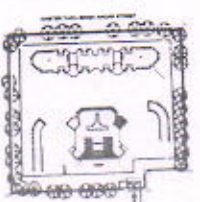
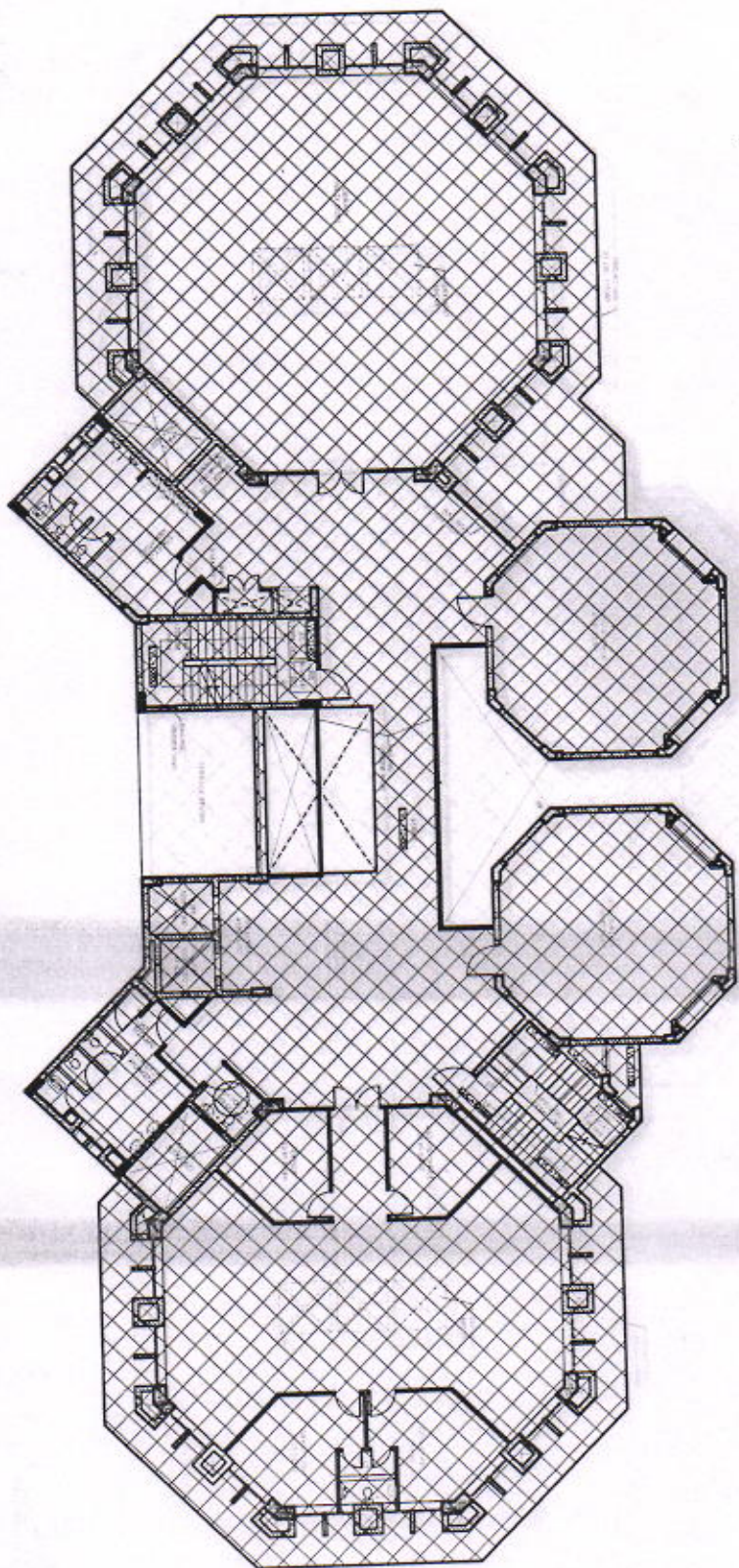
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Client

SECOND FLOOR PLAN



THIRD FLOOR PLAN



SECTION

LEGEND:-

- PLINTH AREA CONSIDERED 100%
- PLINTH AREA CONSIDERED 50%
- COVERABLE HEIGHT AREA

CONSTRUCTION AREA

THE PUNJAB INSTITUTE OF TECHNICAL TEACHER TRAINING & RESEARCH

ADDAWALI STREET, JALANDHAR

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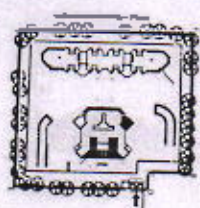
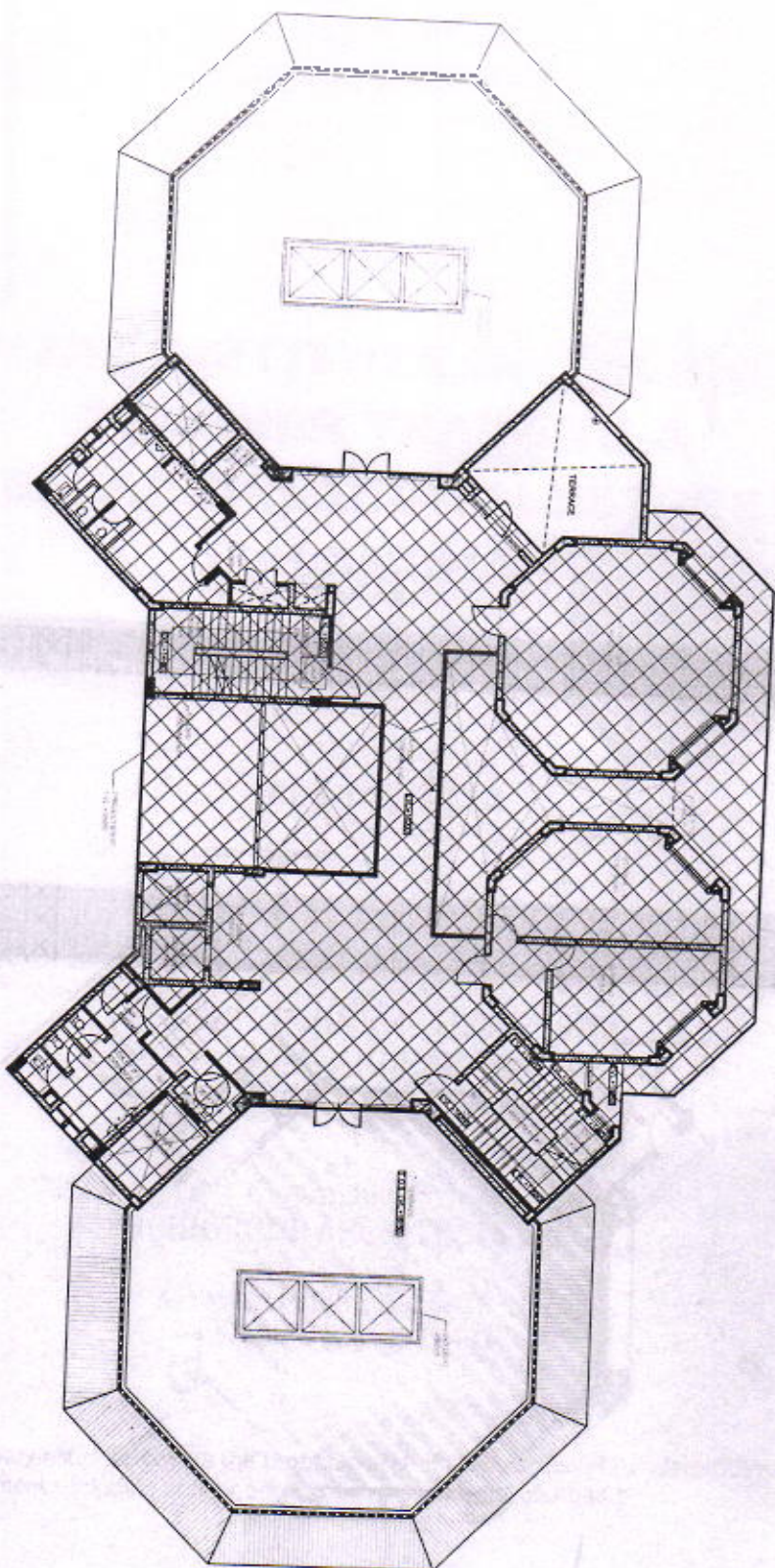
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FOURTH FLOOR PLAN



LEGEND:

- PLANT AREA COMBINED WITH PLANT AREA CONCENTRATED
- DOUBLE HEIGHT HALL

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE PUNJAB GOVT. SPECIFICATIONS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE PUNJAB GOVT. SPECIFICATIONS.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE PUNJAB GOVT. SPECIFICATIONS.

REVISIONS:

NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDER	01/11/2010
2	ISSUED FOR TENDER	01/11/2010
3	ISSUED FOR TENDER	01/11/2010

PREPARED BY:

NO.	NAME	DESIGNATION
1	ARCHITECT	ARCHITECT
2	ENGINEER	ENGINEER
3	MECHANICAL	MECHANICAL
4	ELECTRICAL	ELECTRICAL
5	PAINTING	PAINTING
6	SCULPTURE	SCULPTURE
7	GLASS	GLASS
8	IRON	IRON
9	STEEL	STEEL
10	WOOD	WOOD
11	BRICK	BRICK
12	CONCRETE	CONCRETE
13	PLASTER	PLASTER
14	PAINT	PAINT
15	GLASS	GLASS
16	IRON	IRON
17	STEEL	STEEL
18	WOOD	WOOD
19	BRICK	BRICK
20	CONCRETE	CONCRETE
21	PLASTER	PLASTER
22	PAINT	PAINT
23	GLASS	GLASS
24	IRON	IRON
25	STEEL	STEEL
26	WOOD	WOOD
27	BRICK	BRICK
28	CONCRETE	CONCRETE
29	PLASTER	PLASTER
30	PAINT	PAINT
31	GLASS	GLASS
32	IRON	IRON
33	STEEL	STEEL
34	WOOD	WOOD
35	BRICK	BRICK
36	CONCRETE	CONCRETE
37	PLASTER	PLASTER
38	PAINT	PAINT
39	GLASS	GLASS
40	IRON	IRON
41	STEEL	STEEL
42	WOOD	WOOD
43	BRICK	BRICK
44	CONCRETE	CONCRETE
45	PLASTER	PLASTER
46	PAINT	PAINT
47	GLASS	GLASS
48	IRON	IRON
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50	WOOD	WOOD
51	BRICK	BRICK
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65	STEEL	STEEL
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95	GLASS	GLASS
96	IRON	IRON
97	STEEL	STEEL
98	WOOD	WOOD
99	BRICK	BRICK
100	CONCRETE	CONCRETE

PUNJAB INSTITUTE OF TECHNICAL TEACHER TRAINING & RESEARCH
ADONAI STREET, JALANDHAR

PUNJAB TECHNICAL UNIVERSITY

Architectural (Tppd)

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ANNEXURE-C

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ER. H. J. Singh

11/7/13

11/7/13

ਡਾਇਰੈਕਟਰ,
ਤਕਨੀਕੀ ਸਿਖਿਆ ਅਤੇ ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ,
(ਤਕਨੀਕੀ ਸਿਖਿਆ ਵਿੰਗ) ਪੰਜਾਬ, ਚੰਡੀਗੜ੍ਹ।
ਸੇਵਾ ਵਿਚ,
ਪ੍ਰਮੁੱਖ ਨਿਰਦੇਸ਼ਕ, ਪੰਜਾਬ ਸਰਕਾਰ,
ਤਕਨੀਕੀ ਸਿਖਿਆ ਅਤੇ ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ,
(ਤਕਨੀਕੀ ਸਿਖਿਆ -2 ਸ਼ਾਖਾ), ਚੰਡੀਗੜ੍ਹ।

ਮੀਮੋ ਨੰ: ਟੀਈਕਤਿਆਲ/ਸਿਵਲ/
ਮਿਤੀ:

ਵਿਸ਼ਾ: ਗ੍ਰਾਂਟ ਪੰਚਾਇਤ ਕਤਿਆਲ ਬਲਾਕ ਪਰਮਕੋਟ ਐਟ ਕੋਟ ਈਸੇ ਖਾਂ ਵਲੋਂ ਸ਼ਾਮਲਾਤ ਦੇਰ ਜ਼ਮੀਨ ਵਿਚੋਂ 15 ਏਕੜ 01 ਕਨਾਲ 0 ਮਰਲੇ ਰਕਬਾ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ ਨੂੰ ਇੰਜਨੀਅਰਿੰਗ ਕਾਲਜ ਦੀ ਉਸਾਰੀ ਲਈ ਦਾਨ ਦੇਣ ਬਾਰੇ।

ਹਵਾਲਾ: ਸਰਕਾਰ ਦੀ ਮੀਮੋ ਨੰ: 10/127/2011-43 ਸਿ2/5933 ਮਿਤੀ: 19.12.2012, ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ।

ਹਵਾਲਾ ਅਧੀਨ ਪੱਤਰ ਦੇ ਲੜੀ ਨੰ: 3 ਦੇ ਸਬੰਧ ਵਿਚ ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮੀਟਿਡ, ਮੋਗਾ ਨੇ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਮੋਗਾ ਨਾਲ ਵਿਸ਼ੇ ਵਿਚ ਦਰਜ ਮਾਮਲੇ ਸਬੰਧੀ ਹੇਠੀ ਮੀਟਿੰਗ ਦਾ ਹਵਾਲਾ ਦਿੰਦੇ ਹੋਏ ਆਪਣੇ ਪਿੱਠ ਅੰਕਣ ਨੰ: 633 ਮਿਤੀ: 16.01.2013 (ਨਕਲ ਨੱਥੀ ਹੈ) ਰਾਹੀਂ ਨਕਸ਼ੇ ਅਤੇ ਲਾਟੀਨਾਂ ਜ਼ਿਫਟ ਕਰਨ ਲਈ ਬਣਦੀ ਕੀਮਤ ਦੀ ਡਿਟੇਲ ਤੀਹਰੇ ਰੂਪ ਵਿਚ ਤਿਆਰ ਕਰਕੇ ਭੇਜੀ ਹੈ। ਇਨ੍ਹਾਂ ਲਾਟੀਨਾਂ ਦੇ ਸਿਰਫ਼ ਕਾਨਕ ਉਪਰ 20,54,114/- ਰੁਪਏ ਦਾ ਖਰਚਾ ਆਉਂਦਾ ਹੈ।

ਇਸ ਲਈ ਸਰਕਾਰ ਨੂੰ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਆਪਣੇ ਪੱਧਰ ਤੇ ਪੰਜਾਬ ਤਕਨੀਕੀ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ ਨੂੰ 20,54,114/- ਰੁਪਏ ਦੀ ਰਕਮ ਪੰਜਾਬ ਰਾਜ ਪਾਵਰ ਕਾਰਪੋਰੇਸ਼ਨ ਲਿਮੀਟਿਡ, ਮੋਗਾ ਦੇ ਦਫਤਰ ਵਿਚ ਵਿਸ਼ੇ ਵਿਚ ਦਰਜ ਕੰਮ ਕਰਵਾਉਣ ਸਬੰਧੀ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਲਈ ਹਦਾਇਤਾਂ ਜਾਰੀ ਕਰ ਦਿਤੀਆਂ ਜਾਣ ਜੀ।

ਨੱਥੀ/ਉਪਰੋਕਤ ਅਨੁਸਾਰ

ਵਧੀਕ ਡਾਇਰੈਕਟਰ
ਵਾ: ਡਾਇਰੈਕਟਰ ਤਕਨੀਕੀ ਸਿਖਿਆ ਅਤੇ
ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ, ਪੰਜਾਬ।
ਮਿਤੀ:

ਪਿੱਠ ਅੰਕਣ ਨੰ: ਨੰ: ਟੀਈਕਤਿਆਲ/ਸਿਵਲ/
ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਡਿਪਟੀ ਕਮਿਸ਼ਨਰ, ਮੋਗਾ ਨੂੰ ਸੂਰਨਾ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।

ਵਧੀਕ ਡਾਇਰੈਕਟਰ
ਵਾ: ਡਾਇਰੈਕਟਰ ਤਕਨੀਕੀ ਸਿਖਿਆ ਅਤੇ
ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ, ਪੰਜਾਬ।
ਮਿਤੀ: 17-1-13

ਪਿੱਠ ਅੰਕਣ ਨੰ: ਨੰ: ਟੀਈਕਤਿਆਲ/ਸਿਵਲ/ 1006
ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਸਹਿ ਪੱਤਰਾਂ ਮਮੋਰ ਉਪ-ਕੁਲਪਤੀ, ਪੰਜਾਬ ਤਕਨੀਕੀ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ ਨੂੰ ਸੂਚਨਾ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।

ਨੱਥੀ/ਉਪਰੋਕਤ ਅਨੁਸਾਰ

ਟ੍ਰੇਨਿੰਗ-ਕਮ-ਪਲਸਮੈਂਟ ਅਫਸਰ
ਵਾ: ਡਾਇਰੈਕਟਰ ਤਕਨੀਕੀ ਸਿਖਿਆ ਅਤੇ
ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ, ਪੰਜਾਬ।

1/10/2020 - 1st -

5/2/20

U.S. PCL. City Division Manager

६५५

विभा :- 132 बंगलाघर के पक्षे ॥ बेनी चौक री
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१०८
 श्रीगुरुदेव प्रसाद
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 बना नहीं है। फिर भी जो भीतर के लिये
 बना प्रतीति बनती है जो भीतर के लिये
 जो भीतर के लिये बना प्रतीति बनती है
 जो भीतर के लिये बना प्रतीति बनती है

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Receipt No - 17013/2013 Construction Cell

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70	4545	673	150
90	1323		
90	18044	511	3523
272	2312		
272	600		
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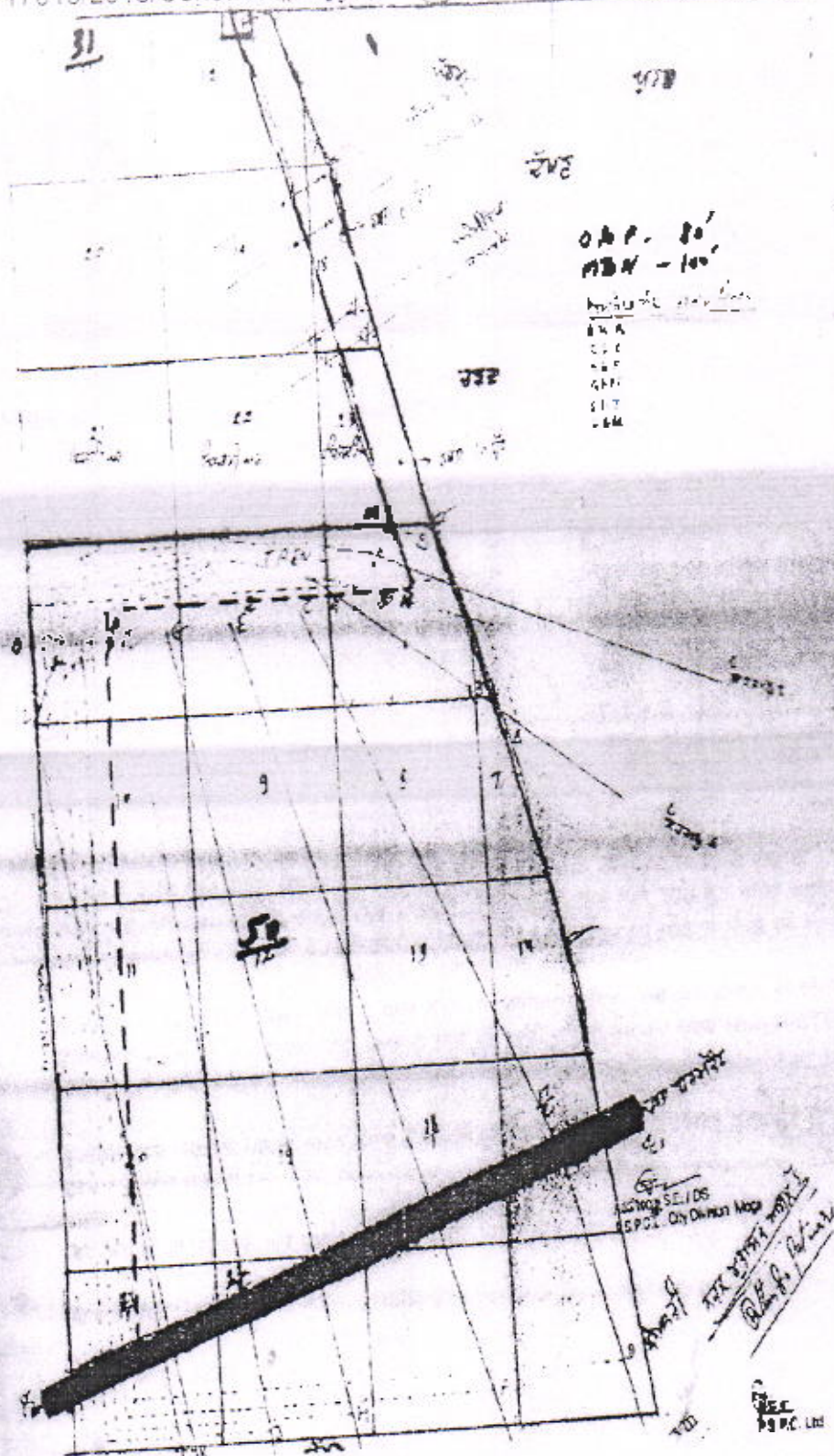
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Additional S.E./DS
C.P.C. City Division Moga

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पुनरुत्पादन करीति
(A) मंडल, मोगा

P.B.P.C. Ltd.
Dharamkot

Receipt No :- 17013/2013/Construction Cell



ANNEXURE-D

PUNJAB TECHNICAL UNIVERSITY

Minutes of the meeting held on 16.04.2013 to be finalize of Design brief / Requirements / Courses for Punjab Institute of Technology proposed to be established at Arniwala, Fazilka.

Present:-


- i) Dr. A.P. Singh, Dean, RIC
- ii) Dr. Parabhjot Kaur, Incharge Mohali Campus
- iii) Er. H.P. Singh, Executive Engineer

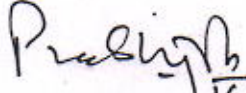
Hon'ble Vice Chancellor has constituted a committee consisting of above officers to finalize the Design brief / Requirements / Courses to be started at Punjab Institute of Technology proposed to be established at Arniwala, Fazilka. After due deliberation and discussions, committee recommends that following course may be started at Punjab Institute of Technology proposed to be established at Arniwala, Fazilka:-

S. No.	Course	Duration	No. of classes	Student Intake
1	Integrated B.Tech Courses in following disciplines: a) Automobile Engineering b) Food Processing c) Bio Energy and waste Management.	6 Years after 10 th	One for each course	60 Nos. for each course.
2	B. Sc. (Hotel Management)	3 years after 10+2 5 years after 10 th	One for each course	60 Nos. for each course.
3	B. Com (Professional)	3 years after 10+2 5 years after 10 th	One for each course	60 Nos. for each course.

- All the above courses will have the option of Multi Entry and Multi Exit and will have intensive skill development and communication skill curriculum.
- The institute should run from 8.00 AM to 8.00 PM for optimum use of the infrastructure.
- All the courses will be ICT enabled. *to redress paucity of faculties*
- Apart from the above, short term training programmes for Ministerial Secretary ship and accounting etc. may be started.

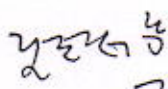
Put up for approval and further orders please.


Dr. A.P. Singh
Dean (RIC)


16.4.13
Dr. Parabhjot Kaur
In charge Mohali Campus


16/4/13
Er. H. P. Singh
Executive Engineer

Hon'ble V.C.


16/4

PUNJAB INSTITUTE OF TECHNOLOGY, ARNIWALA

Summary of Area Requirement

S.no.	Block	Suggested Intake/ Yr.	Duration Of course*	Total Students	BUILT-UP Area	REMARKS
		(Nos.)	(yr)	(Nos.)	(sqm)	
1	ADMINISTRATIVE & COMMON AREA	-	-	-	4,733	Refer Annex-1
2	BACHELOR OF TECHNOLOGY (B. Tech) - AUTOMOBILE ENGINEERING/ FOOD PROCESSING/ BIO ENERGY & WASTE MANAGEMENT @ 60/ COURSE	180	6	1080	8,998	Refer Annex-2
3	BACHELOR OF SCIENCE (B.SC.) - HOTEL MANAGEMENT	60	5	300	2,294	Refer Annex-3
4	BACHELOR OF COMMERCE (B.Com) - PROFESSIONAL	60	5	300	1,258	Refer Annex-4
5	GIRLS HOSTEL @ 50 SEATS EXPANDABLE TO 100 SEATS	-	-	-	1,500	@30SQM/ SEAT
6	BOYS HOSTEL @ 50 SEATS EXPANDABLE TO 100 SEATS	-	-	-	1,500	@30SQM/ SEAT
7	TOTAL	300		1,680	20,283	

Annexure 1

PUNJAB INSTITUTE OF TECHNOLOGY, ARNIWALA

Administration & Common Areas

S.no.	Room Requirement	Carpet Area/ Room (sqm)	Total Requirement		
			No. of Rooms	Total Carpet Area	Remarks
	1	2	3	4=2 x 3	5
A ADMINISTRATIVE AREA					
1	Director Office	30	1	30	
2	Secretary to Director & waiting	30	1	30	
3	Board Room	300	1	300	
4	Office including Accounts	30	3	90	
10	Examination Control Office	30	3	90	
11	Placement Office	30	1	30	
12	Central Store	20	2	40	
13	Maintenance	20	1	20	
14	Security	20	1	20	
15	House Keeping	10	1	10	
16	Pantry To Staff			690	
	Sub Total (A)				
B Amenities Area					
1	Library & Reading Room	800	1	800	@400 SQM for B.Tech, 200 SQM for B.Sc & B.Com each
1	Computer Center	150	1	150	@75 SQM for B.Tech & B.Sc each
1	Seminar Hall	132	2	264	@1 for B.Tech & B.Sc each
2	Common Room (Boys & Girls)	100	2	200	
3	Cafeteria	150	1	150	
1	Male & Female Toilets	Lum sum	1	450	
4	Stationary Store & Reprographic	20	1	20	
5	First Aid Room	20	1	20	
	Sub Total (B)			2,054	
	Sub Total (B)			2,744	
C Sub Total C=(A+B)					
	Sub Total C=(A+B)			1,098	40% of C
D Circulation Area (40%)					
	Circulation Area (40%)			3,842	
E TOTAL CARPET AREA REQUIRED (sqm) (D+E)					
	TOTAL CARPET AREA REQUIRED (sqm) (D+E)			461	
	Wall Area @12% of Total Carpet Area			4,303	
	Total Covered Area (Carpet area + Wall area)			4,733	
F BUILT UP AREA @110% Total Covered Area					
	BUILT UP AREA @110% Total Covered Area				

Annexure 2

PUNJAB INSTITUTE OF TECHNOLOGY, ARNIWALA

2 Bachelor of Technology (B.Tech) - Automobile/ Food Processing/ Bio Energy & Waste Management

Q	B.Tech	Total Intake:	60
		No. of Departments	3
		No. Of years:	6
		Total No. of students:	1080

S.no.	Room Requirement	Carpet Area/ Room (sqm)	Total Requirement		
			No. of Rooms	Total Carpet Area	Remarks
	1	2	3	4=2 x 3	5
A	Instructional Area				
1	Class Rooms	66	18	1,188	For 60 students
2	Tutorials	33	5	165	For 30 students
3	Laboratory	66	32	2,112	30 Labs for 3 course & 2 Labs for 11th/12th Class
4	Workshop	200	3	600	Additional 2 workshop for Automobile
6	Drawing Hall	132	1	132	
	Sub Total (A)			4,197	
B	Faculty Area				
1	HOD Office	30	1	30	
2	Secretary to HOD & waiting	20	1	20	
3	Board Room	20	1	20	
4	Department Office	20	4	80	@3/course & 1 for 11th/12th Class
5	Faculty Offices				
	i) Rooms for Professors	20	7	140	
	ii) Rooms for Associate Professor	15	16	240	
	iii) Rooms for Assistant Professor	10	48	480	3 pax./ room
6	Pantry To Staff	10	1	10	
	Sub Total (B)			1,020	
C	Sub Total C=(A+B)			5,217	
D	Circulation Area (40%)			2,087	40% of C
E	TOTAL CARPET AREA REQUIRED (sqm) (C+D)			7,304	
	Wall Area @12% of Total Carpet Area			876	
	Total Covered Area (Carpet area + Wall area)			8,180	
F	BUILT UP AREA @1.10% Total Covered Area			8,998	

Annexure 3

PUNJAB INSTITUTE OF TECHNOLOGY, ARNIWALA

Bachelor of Commerce (B.Sc) - Hotel Management

3					
i)	B.Sc (Hotel Management)		Total Intake:		60
			No. Of years:		5
			Total No. of students:		300
S.no.	Room Requirement	Carpet Area/ Room (sqm)	Total Requirement		
			No. of Rooms	Total Carpet Area	Remarks
	1	2	3	4=2 x 3	5
A	Instructional Area				
1	Class Rooms	66	5	330	For 60 students
2	Tutorials	33	2	66	For 30 students
3	Lab/ Guest Room	66	6	396	
4	Kitchen	132	1	132	
5	Restaurant	66	1	66	
	Sub Total (A)			990	
B	Faculty Area				
1	HOD Office	30	1	30	
2	Secretary to HOD & waiting	20	1	20	
3	Board Room	20	1	20	
4	Department Office	20	2	40	@1/ course & 1 for 11th/12th Class
5	Faculty Offices				
	i) Rooms for Professors	20	1	20	
	ii) Rooms for Associate Professor	15	4	60	
	iii) Rooms for Assistant Professor	10	14	140	3 pax./ room
6	Pantry To Staff	10	1	10	
	Sub Total (B)			340	
C	Sub Total C=(A+B)			1,330	
D	Circulation Area (40%)			532	40% of C
E	TOTAL CARPET AREA REQUIRED (sqm) (C+D)			1,862	
	Wall Area @12% of Total Carpet Area			223	
	Total Covered Area (Carpet area + Wall area)			2,085	
F	BUILT UP AREA @ 110% Total Covered Area			2,294	

Annexure 4

PUNJAB INSTITUTE OF TECHNOLOGY, ARNIWALA

Bachelor of Commerce (B.Com) - Professional

i)	B.COM (Professional)		Total Intake: 60		
No. Of years: 5					
Total No. of students: 300					
S.no.	Room Requirement	Carpet Area/ Room (sqm)	Total Requirement		
			No. of Rooms	Total Carpet Area	Remarks
	1	2	3	4=2 x 3	5
A	Instructional Area				
1	Class Rooms	66	5	330	For 60 students
2	Tutorials	33	2	66	For 30 students
3	Lab	66	1	66	Computer Lab
	Sub Total (A)			462	
B	Faculty Area				
1	HOD Office	30	1	30	
2	Secretary to HOD & waiting	20	1	20	
3	Board Room	20	1	20	
4	Department Office	20	2	40	@1/course & 1 for 11th/12th Class
5	Faculty Offices				
i)	Rooms for Professors	20	1	20	
ii)	Rooms for Associate Professor	15	4	60	
iii)	Rooms for Assistant Professor	10	14	140	3 pax./ room
	Pantry To Staff	10	1	10	
	Sub Total (B)			340	
C	Sub Total C=(A+B)			802	
D	Circulation Area (40%)			321	40% of C
E	TOTAL CARPET AREA REQUIRED (sqm) (C+D)			1123	
	Wall Area @12% of Total Carpet Area			135	
	Total Covered Area (Carpet area + Wall area)			1,258	
F	BUILT UP AREA @ 110% Total Covered Area			1383	

ANNEXURE-E

ਵੱਲ

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ
ਉਸਾਰੀ ਮੰਡਲ ਭਤੇਮ ਸਾਖਾ
ਫਾਜ਼ਿਲਕਾ

ਵੱਲ

ਇੰਜੀ. ਐਚ.ਪੀ. ਸਿੰਘ,
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ
ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ,
ਜਲੰਧਰ।

ਨੰਬਰ 302

ਮਿਤੀ

10/5/13

ਵਿਸ਼ਾ : ਐਕਜ਼ੀਕਿਊਸ਼ਨ ਆਫ ਪੀ.ਟੀ.ਯੂ. ਵਰਕਸ ਆਨ ਡੀਪਾਜ਼ਿਟ ਬੇਸਿਸ, (ਡਿਟੇਲਡ ਐਸਟੀਮੇਟ ਫਾਰ ਕੰਸਟਰਕਸ਼ਨ ਆਫ ਬਾਉਂਡਰੀ ਵਾਲ ਫਾਰ ਪੰਜਾਬ ਇੰਸਟੀਚਿਊਟ ਆਫ ਟੈਕਨੋਲੋਜੀ ਐਂਡ ਅਰਨੀਵਲਾ (ਫਾਜ਼ਿਲਕਾ)।

ਹਵਾਲਾ : ਆਪ ਜੀ ਦਾ ਪੱਤਰ ਨੰ. 341 ਮਿਤੀ: 25/04/2012

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਹਵਾਲਾ ਅਪੀਨ ਪੱਤਰ ਦੇ ਜਰੱਧ ਵਿਚ ਆਪ ਜੀ ਨੂੰ ਖੇਤਰੀ ਸਾਹਿਤ ਲਿਖਿਆ ਜਾਦਾ ਹੈ ਕਿ ਇਸ ਕੰਮ ਦਾ ਆਪ ਜੀ ਵਲੋਂ ਭੇਜਿਆ ਗਿਆ ਅਨੁਮਾਨ ਇਸ ਦਫਤਰ ਵਲੋਂ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ, ਉਸਾਰੀ ਹਲਕਾ ਫਿਰੋਜ਼ਪੁਰ ਜੀ ਰਾਹੀਂ ਮੁੱਖ ਇੰਜੀਨੀਅਰ ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ ਭ ਤੇ ਮ ਸਾਖਾ ਪਟਿਆਲਾ ਜੀ ਨੂੰ ਭੇਜਿਆ ਗਿਆ ਸੀ। ਇਹ ਅਨੁਮਾਨ ਮੁੱਖ ਇੰਜੀਨੀਅਰ (ਨਾਥ -1) ਪੰਜਾਬ, ਲੋਕ ਨਿਰਮਾਣ ਵਿਭਾਗ ਭ ਤੇ ਮ ਸਾਖਾ ਪਟਿਆਲਾ ਜੀ ਦੇ ਪੱਤਰ ਨੰ. 1691 ਮਿਤੀ: 06-05-2013 ਰਾਹੀਂ ~~ਉਸਾਰੀ ਮੰਡਲ~~ ਲੋਕ ਦਾ ਤਕਨੀਕੀ ਤੌਰ ਤੇ ਮੰਨਗੂਰ ਕੀਤਾ ਗਿਆ ਹੈ ਅਤੇ ਇਸ ਕੰਮ ਦੀ DNIT ਵੀ ਪੱਤਰ ਨੰ. 1693 ਰਾਹੀਂ ਮਿਤੀ: 06-05-2013 ਰਾਹੀਂ ~~ਉਸਾਰੀ ਮੰਡਲ~~ ਲੋਕ ਦੀ ਅਪਰੂਵ ਕਰ ਦਿੱਤੀ ਗਈ ਹੈ। ਇਸ ਅਪਰੂਵਡ DNIT ਦੇ ਅਧਾਰ ਤੇ ਇਸ ਕੰਮ ਦੇ ਟੈਂਡਰ ਕਾਲ ਕੀਤੇ ਜਾ ਚੁੱਕੇ ਹਨ। ਤਕਨੀਕੀ ਅਨੁਮਾਨ, ਅਪਰੂਵਡ DNIT ਅਤੇ ਟੈਂਡਰ ਨੋਟਿਸ ਦੇ ਪੱਤਰਾਂ ਦੀਆਂ ਫੋਟੋ ਕਾਪੀਆਂ ਆਪ ਜੀ ਨੂੰ ਭੇਜ ਕੇ ਲਿਖਿਆ ਜਾਦਾ ਹੈ ਕਿ ਇਸ ਕੰਮ ਦੀ ਪ੍ਰਸ਼ਾਸਕੀ ਪ੍ਰਵਾਨਗੀ ਇਸ ਦਫਤਰ ਨੂੰ ਭੇਜੀ ਜਾਵੇ ਅਤੇ MOU ਮੁਤਾਬਿਕ ਲੋੜੀਂਦੇ ਫੰਡਜ਼ ਵੀ ਇਸ ਦਫਤਰ ਨੂੰ ਭੇਜੇ ਜਾਣ ਤਾਂ ਜੋ ਕੰਮ ਨੂੰ ਸਮੇਂ ਸਿਰ ਸ਼ੁਰੂ ਕਰਵਾਇਆ ਜਾ ਸਕੇ ਜੀ।

ਨੋਟ: ਅਨੁਮਾਨ, ਅਪਰੂਵਡ DNIT ਅਤੇ
ਟੈਂਡਰ ਨੋਟਿਸ ਦੇ ਪੱਤਰਾਂ ਦੀਆਂ ਫੋਟੋ ਕਾਪੀਆਂ।

ਮੁਖੀ
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ
ਉਸਾਰੀ ਮੰਡਲ, ਭਤੇਮ ਸਾਖਾ
ਫਾਜ਼ਿਲਕਾ।

ਪਿਆਰਨ

ਮਿਤੀ:

ਉਪਰੋਕਤ ਦਾ ਉਤਾਰਾ ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ, ਉਸਾਰੀ ਸਰਕਲ, ਲੋਨਿਵਿ. ਭਤੇਮ ਸਾਖਾ, ਫਿਰੋਜ਼ਪੁਰ ਜੀ ਨੂੰ ਇਸ ਸਬੰਧ ਵਿਚ ਸੂਰਨਾ ਹਿੱਤ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜਿਆ ਜਾਦਾ ਹੈ।

ਮੁਖੀ
ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ
ਉਸਾਰੀ ਮੰਡਲ, ਭਤੇਮ ਸਾਖਾ
ਫਾਜ਼ਿਲਕਾ।

The Jagbani - 03/05/2013.

ਪੰਜਾਬ ਸਰਕਾਰ
ਲੋ. ਨਿ. ਵਿ. ਭ. ਅਤੇ ਮ. ਸ਼ਾਖਾ
ਆਨਲਾਈਨ ਬੋਲੀਆਂ ਮੰਗਣ ਦਾ ਨੋਟਿਸ

ਮਿਤੀ : 29.4.2013

ਬੋਲੀ ਨੰ. 1

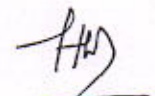
1 ਹੇਠ ਲਿਖੇ ਕੰਮਾਂ ਲਈ 20.5.2013 ਬਾ. ਦੁ. 3.00 ਵਜੇ ਤਕ ਆਨਲਾਈਨ ਟੈਂਡਰਾਂ ਦੀ ਮੰਗ ਕੀਤੀ ਜਾਂਦੀ ਹੈ। ਟੈਂਡਰਾਂ ਦੇ ਵੇਰਵੇ ਪੋਰਟਲ <http://eprocbpwd.gov.in> 'ਚ ਦੇਖੇ ਜਾ ਸਕਦੇ ਹਨ।

ਲੜੀ ਨੰ.	ਪ੍ਰੋਜੈਕਟ/ਕੰਮ/ਥਾਂ ਦਾ ਨਾਂ	ਬੋਲੀ ਸਕਿਉਰਿਟੀ/ਰਕਮ ਬਿਆਨਾ (ਰੁ.)	ਦਸਤਾਵੇਜ਼ ਦੀ ਕੀਮਤ ਟੈਂਡਰ ਫੀਸ (ਰੁ.)	ਮੁਕੰਮਲ ਕਰਨ ਦੀ ਮਿਆਦ	ਕੰਮ ਦੀ ਅੰਦਾਜ਼ਨ ਲਾਗਤ (ਲੱਖਾਂ ਰੁ. 'ਚ)
1.	ਅਰਨੀਵਾਲਾ ਜ਼ਿਲਾ ਫਾਜ਼ਿਲਕਾ ਵਿਖੇ ਪੰਜਾਬ ਇੰਸਟੀਚਿਊਟ ਆਫ ਟੈਕਨਾਲੋਜੀ ਲਈ ਚਲਾਈਥਾਰੀ ਦੀ ਉਸਾਰੀ	1.87 ਲੱਖ	2000.00	4 ਮਹੀਨੇ	93.45 ਲੱਖ

** ਜਿਹੜੇ ਯੋਗ ਬੋਲੀਦਾਤੇ ਡੀ. ਐਸ. ਸੀ. (ਡਿਜੀਟਲ ਸਿਗਨੇਚਰ ਸਰਟੀਫਿਕੇਟ) ਨਹੀਂ ਰੱਖਦੇ, ਉਹ ਇਸ ਨੂੰ ਪ੍ਰਵਾਨਤ ਏਜੰਸੀਆਂ ਤੋਂ ਜਾਰੀ ਕਰਵਾ ਲੈਣ ਅਤੇ ਹੋਰ ਕਿਸੇ ਪੁੱਛਗਿੱਛ ਦੇ ਲਈ ਹੈਲਪਲਾਈਨ ਨੰ. 0172-6626667-8 'ਤੇ ਸੰਪਰਕ ਕਰੇ।

ਸਹੀ/- ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ, ਨਿਰਮਾਣ ਮੰਡਲ
ਲੋ. ਨਿ. ਵਿ. ਭ ਅਤੇ ਮ ਸ਼ਾਖਾ, ਫਾਜ਼ਿਲਕਾ
PR-1535-D-2.5.13

Copy to: P.S. to VC for kind information of Hon'ble VC


06/05/13



ANNEXURE-F

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Subject: Minutes of the meeting held on 19.02.2013 regarding reduction in the payments of the Architect on account of reduction in the scope of work.

At the time of award of the work to M/s Archigroup Architects, Noida for providing comprehensive architectural services for the proposed new campus & institutes at various location in Punjab, it was considered that PTU will engage Project Management Consultant (PMC) for supervision of works. Accordingly, the scope of the work of the Architect was finalized. However, after award of work to the Architect, PTU decided that the construction works are to be got done from Punjab PWD on deposit basis. Thus, with the revised methodology for execution of work, there has been a minor reduction in the scope of work of the Architect already engaged. To review and finalize the reduction in scope of work and reduction in rates on this account, a committee consisting of following officers has been constituted by Hon'ble Vice Chancellor :-

1. Dr. H.S. Bains, Registrar
2. Sh. S.K. Mishra, Director/Finance
3. Er. H.P. Singh, Executive Engineer

In the previous meeting held on 19.12.2012, it was recommended by the committee that a suitable deduction in the payments of the Architect on account of non-performance of some activities may be applied and these recommendations were approved by the competent authority.


To finalize the reduction on account of the above, a meeting was held with the Architect on 19.02.2013 at PTU's main campus at Kapurthala, wherein following were present :-


1. Dr. H.S. Bains, Registrar (on telephone)
2. Sh. S.K. Mishra, Director/Finance
3. Er. H.P. Singh, Executive Engineer
4. Sh. Rajiv Aggarwal, Architect (Archigroup, Noida)
5. Sh. Nitin, Architect (Archigroup, Noida)

During the meeting, Mr. Rajiv Aggarwal presented a statement indicating the total scope of work included in this contract and the activities which have now been deleted from his scope of work (placed below). He also showed work order placed by them on a sub-agency for executing the activities deleted from their scope of work. According to the Architect, deduction on account of reduction in scope of work is about 1.25% of the fee payable. However, after negotiations and persuasion by the committee, it was agreed by the Architect to reduce their rates by 5% of the fee pertaining to Design, Drawing portion (not on master plan item).

In view of the above committee recommends acceptance of deduction of 5% of the fee pertaining to design, drawings portion (not on master plan item).


(H.S. Bains)
Registrar


(S.K. Mishra)
Director (Finance)


(H.P. Singh)
Executive Engineer


Hon'ble VC

Perforat For

3. 2/13

22/2/13

Discussed with Dr. Khandpur.
To be put up in Mdg. committee
meeting as an agenda item


5/3/13

Letter No. : AAPL/PTU/Phase III/3571

Dated : September 28, 11

Mr. Ramesh Bhagat
M/s Krishna Enterprises
21C Pocket A,
Dishad Garden
Delhi 110 095

Project : Punjab Technical University at Jalandhar - Phase III and other PTU works

Sir,

As discussed with you, the following will be included in your scope of work:

1. Calculation of bill of quantities supported with appropriate take-off sheets. This will include quantities of curing and filling and chattering etc. The structural engineer will provide structural quantities of concrete and reinforcement. *Shu Hairs*
2. Detailed estimates updated to the latest cost indices with rate analysis for non scheduled items
3. Compilation of detailed estimates including the electrical, a/c, PH etc. estimates and preparation of summary sheet for comprehensive estimate
4. Preparation of specifications of non-scheduled items
5. Preparation of first volume of works including general and special conditions of contract
6. Preparation of tender document which will include Volume 1 (instructions to bidders and conditions of contract etc.), Volume 2 (specifications), Volume 3 (BOQ's) and Volume 4 (drawings) so that copies can be made for issuing to contractors
7. Language of advertisement for bid invitation
8. Comparative statement of quotations from contractors with justifications for higher / lower rates
9. Recommendations for contract award
10. Visit client in Chandigarh or Jalandhar as required to discuss and finalise the above.

to be given by you.

A fee of Rs. 1/ sq. ft will be paid to you for the above scope of work. This fee will include the boundary walls and the landscaping tenders. We are pleased to attach a cheque as per the following details for the above mentioned project:

Date	Ch. No.	Cheque Amt.	TDS	Service Tax	Total Payment	Cumulative Pmt.
28.9.2011	766791	22,500	2,500	0	25,000	25,000

Please send us a bill and a receipt of the said amount.

Thanking You,

Truly Yours,

Rajiv Aggarwal
for *Rajiv*
Rajiv Aggarwal

Encl: as above.

Calculation sheets to be submitted in hard copy by respective consultants for their own checkup

Rajiv
11/10/11

Following is our total scope of work under the contract. The activities common with PWD have been highlighted in red with our observations for the kind consideration of the committee.

A. Pre design work:

1. Topographical survey of land including benchmarking some permanent locations, marking existing trees and other permanent elements, existing services hindrances such as light poles underground pipes etc. and suggest remedial measures for shifting / removal of the same.
2. Geographical survey of land by conducting bore wells / and or plate load tests and suggest suitable soil bearing capacity for different building heights envisaged at the site.
3. Assist the client with the design brief which will be keeping-in with the relevant AICTE / UGC or other norms which may be applicable.
4. Discuss the design-brief in the Standing Building Committee and make modifications suggested by the committee.
5. Obtain the final approval from SBC on the design requirements.

B. Conceptual stage work:

1. Planning and development of Conceptual layout plan for the entire complex. This layout plan will show layout of all proposed buildings, open spaces, parking, roads, landscaping, parks, green belts, water tanks, sub station, sewage treatment plant, external services, 3dimensional studies etc.
2. Present the Conceptual layout plan to the SBC and the user college and obtain their comments.
3. Amend the Conceptual layout based on the comments of the SBC and re-present the scheme.
4. Obtain the approval of the SBC.
5. Based on the approved Conceptual Layout Plan, submit a model or 3D's of the approved scheme.
6. Check the feasibility of the concept design along side with the services.
7. The next stage will be taken up by the architect after the approval of PTU

C. Architectural design services: Preliminary designs and drawings

1. Submit analysis of impact of the proposed development /construction on existing services /environment

2. Prepare relevant drawings and documents for Environmental clearance.
3. Submit the above for clearance from concerned authorities /departments before taking up the project. The fee payable to the department shall be paid by the PTU.
4. Participate in the meetings for discussion on the subject in the departments and obtain approval.
5. Prepare drawings for municipal, fire and other approvals and submit the above to the relevant departments. The fee payable to the department shall be paid by the PTU.
6. Follow up with the various departments in Punjab and obtain approval from them.
7. Prepare drawings showing all floor plans, sections, elevations etc. for all proposed buildings (phase wise if required) sufficiently to explain the scheme / design.
8. Prepare preliminary design basis reports for all the services like:
 - a. Electricity supply – internal and external (road side etc.)
 - b. Electric substation – configuration of transformers and DG sets etc.
 - c. Fire detection and fire fighting systems
 - d. Data networking systems
 - e. Telecommunication systems
 - f. HVAC systems
 - g. Water storage and supply systems including water treatment and pumping plants
 - h. Sewage disposal including sewage treatment plant, recycling of affluent
 - i. Garden Hydrant systems
 - j. Structural design basis report
9. Present the above to the PTU experts for discussion in the SBC.
10. Make amendments in the reports and submit them for final approval.
11. Prepare estimates for all works on the basis of the Plinth Area Rates of CPWD adjusted to the relevant site location. Estimate for the components not covered in CPWD Plinth Area rates will be prepared on the basis of latest DSR (Delhi Schedule of Rates) and for the components not covered in the CPWD and DSR, market rates may be adopted.
12. Provide clarifications if any sought by the consultant to be appointed by PTU to whet the estimates and obtain the approval of the same from PTU.

D. Architectural design services: Working drawings

1. Prepare detailed working drawings related to construction of each building which include the following drawings:
 - a. Architectural: floor plans, sections and elevations, door window details, stairs, toilets, railings etc.
 - b. Structural
 - c. Internal and external electrical works
 - d. Electric sub station
 - e. Fire detection and fighting including fire tank/s and pumps
 - f. HVAC
 - g. Water supply and disposal
 - h. Water softening plant
 - i. Sewage treatment plant
 - j. Data networking
 - k. Telecommunication
 - l. Rain water harvesting
 - m. Irrigation system
 - n. Roads, parking, hard and soft surfaces
 - o. Water bodies, garden furniture
 - p. Boundary walls, gates and fences
2. Supporting designs and calculations of the structural design / drawings
3. Getting designs / drawings of important structure / services proof checked / vetted from proof consultants to be appointed by PTU. Fee for the proof checking / vetting of designs and drawings will be paid by the PTU.
4. Prepare and submit to PTU the schedule of quantities for all the services mentioned above. The schedule of quantities should be supported by:
 - a. measurement sheets for each service
 - b. rate analysis for the non-schedule items
5. Prepare detailed estimates and getting the same approved by PTU.
6. Prepare specifications for all the above-mentioned services.
7. Preparation of bid documents for invitation of quotations:
 - a. Volume 1: conditions of contracts (PWD shall put its standard document)
 - b. Volume 2: Schedule of quantities (to be submitted by us)
 - c. Volume 3: Specifications (to be submitted by us)
 - d. Volume 4: Drawings (to be submitted by us)
8. Evaluation of bids. These will be invited on the percentage basis and be very simple to evaluate.

E. Architectural design services: Construction stage

1. Prepare and issue 'Good for Construction' related to construction of each building which include the following drawings:
 - a. Architectural: floor plans, sections and elevations, door window details, stairs, toilets, railings etc.
 - b. Structural
 - c. Internal and external electrical works
 - d. Electric substation
 - e. Fire detection and fighting including fire tank/s and pumps
 - f. HVAC
 - g. Water supply and disposal
 - h. Water softening plant
 - i. Sewage treatment plant
 - j. Data networking
 - k. Telecommunication
 - l. Rain water harvesting
 - m. Irrigation system
 - n. Roads, parking, hard and soft surfaces
 - o. Water bodies, garden furniture
 - p. Boundary walls, gates and fences
2. Check and approve shop drawings – Kindly note that it will be better for the project. PTU / PWD would need our assistance in vetting the following shop drawings:
 - a. Architectural: structural glazing and aluminum doors and windows (done in the PTU main building)
 - b. Electric panels (done in the PTU main building)
 - c. Electric sub-station equipment (done in the PTU main building)
 - d. Water pumps (done in the PTU main building)
 - e. HVAC – chillers and chilled water piping systems (done in the PTU main building)
 - f. Water softening plant (if proposed)
 - g. Sewage treatment plant (done in the PTU main building)
3. Render advice on suitability of various samples of materials – **if asked by PTU**. Please note that this was an optional service. However, in the first building, we were called to check the stone cladding, false-ceiling, AHU's, sound insulation etc.
4. Visit site of works at intervals to be decided by PTU from time to time to supervise the work, clarify any decisions, offer interpretation of drawings / specifications / attend conferences, meetings to ensure that the project proceeds in accordance with the approved drawings / specifications and PTU informed and render advice on any issue related with the construction of the buildings where ever necessary or asked by PTU.
5. Certification of bills by the Architect, **if asked by PTU**

6. Issue certificate of Virtual completion of works.
7. **Working out the requirements of power supply and assisting PTU in getting power connection from concerned department.**

F. Architectural design services: Construction stage

1. Prepare and submit 'As built' drawings and issue two sets of the drawings.
2. Assist PTU in obtaining 'Completion / occupancy certificate' from appropriate statutory agencies where required.
3. The architect shall also prepare an integrated layout plan of the campus showing services as finally laid at site.
4. The architect shall provide all technical data for obtaining service connections from various civic authorities.

In addition to the above, our fee also includes the following:

a. Consultants to be appointed by us whose 'charges' are included in our fee:

1. Site Survey
2. Soil investigation
3. Environmental clearance
4. Quantity surveying & Estimation, specifications etc.
5. Structural designer
6. Electrical works
7. Data networking
8. Telecommunication & Audio-visual
9. Acoustical designer
10. HVAC
11. Water supply and disposal
12. Rain water harvesting
13. STP / effluent treatment
14. Fire detection & Public address system
15. Fire fighting etc.

b. Travel costs:

1. Travel to sites for site visits
2. Travel to Jalandhar / Chandigarh if there are no agenda items for previous projects

Mr. Nitin Goel, Chairman, PTU
PTU, B-10, Sector-10, Connaught Place, New Delhi-110028

The Director, PTU
The Program, Technical University
Patancheru, Kapurthala Highway,
Telangana

Subject: Reduction in fee due to reduction in our scope of work

Sir,

This has a reference to the meeting we had with you and your committee members on the above mentioned subject. In this regard, the following were discussed and agreed:

1. We presented a statement showing our total scope of work with the activities overlapping with PWD highlighted attached with this note.
2. It was explained that the reduction in scope of work due to overlap is very very minor.
3. We showed a copy of our contract with our BQO consultant showing that his fee is about 2.5% of our total fee and that he still has to perform about 50% of his work bringing his reduced fee to about 1.25% of our total fee. The committee members opined that this is our internal arrangement with our consultant.
4. After negotiations, we agreed to give a discount of 5% of our professional fee on design of buildings excluding the fee for master plan. Although it is about 4 times the financial component of our fee, we agree to give this discount in view of our longstanding and our utmost respect for PTU for its professional approach.
5. This deduction will be applicable to all the up to date contracts between PTU and us.

We hope that you find the above in order.

Sincerely yours,


Rajiv Aggarwal

CC - as above.