

PEC University of Technology, Chandigarh
Sector-12, Chandigarh , Pin - 160012



E-Tender Document

For

SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.

PEC UNIVERSITY OF TECHNOLOGY, CHANDIGARH

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SECTION - I : INVITATION FOR E-TENDER

1. This invitation to e: tender is for SUPPLYING AND PLACING OF FURNITURE ITEMS AT DIRECTOR'S SECRETARIATE AT PEC University of Technology, Chandigarh .
2. The client reserves the right to carry out the capability assessment of the Tenderers and the client's decision shall be final in this regard.
3. Tenderers are advised to study all technical and commercial aspects carefully of the tender document.
4. Interested eligible Bidders may obtain further information from the Estate Office located at 2ND floor of Admn. Building of PEC University of Technology, Sector- 12, Chandigarh 160012, India.
5. The bidding document can be downloadable from institute website <http://www.pec.ac.in>. or <http://etenders.chd.nic.in>
6. e-bids prepared in accordance with the fulfillment criteria as mentioned in Clause 1 of Part A of Section- II should be submitted not later than the date and time laid down in **Table 2**.
7. All bids must be accompanied by a bid security of **Rs.26,182/- (Rupees Twenty six thousand one hundred eighty two only)** in the form Account payee Demand Draft, Bankers Cheque or Bank Guarantee from commercial bank drawn on a scheduled bank in favor of the Director, PEC UNIVERSITY OF TECHNOLOGY, SECTOR 12, CHANDIGARH and should be delivered to the office address by the date and time as given in **Table 2**.
8. This tender document is not transferable.
9. The tenderer is expected to examine all instructions, forms, terms and specifications in the Tender Document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially relevant to the Tender document in every respect will be at the Tenderer's risk and may result in the rejection of the bid.

Table - 1

S.N.	Name of The Work	Estimated cost	EMD (in Rs.)	Performance Security
1.	SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.	Rs.13,09,100/-	Rs.26182/-	@ 5% of the value of the contract awarded

Table - 2

S.No.	Date of Publication of E: Tender	
I	Downloading of e-tender document	Start date: 17.03.2017 End date : 11.04.2017 3:00 PM
II	Date of submission of e-tender	Start date: 17.03.2017 End date : 12.04.2017 3:00 PM
III	Physical submission of EMD and other necessary pre-qualification documents	Start date: 12.04.2017 End date : 19.04.2017 3:00 PM
IV	Pre Bid Meeting	Date : 27.03.2017 Time : 3:00 PM
V	Presentation by bidder of their Company/ firm elaborating qualifying Criteria & credentials .	Date : 29.03.2017 Time : 3:00 PM
VI	Presentation of Bid Products	Date : 29.03.2017 Time : 3:00 PM
VII	Display of Samples by Bidders	Date : 29.03.2017 Time : 3:00 PM
VIII	Inspection of Products at Show Rm. / Manufacturing Place	Date shall be intimated after inspection of sample
IX	Opening of Technical Bid (online) and meeting for scrutiny of technical bid declaring eligible bidders	Date : 12.04.2017 03:30 PM
X	Opening of Financial Bid of only eligible technically qualified bidder as determined by the Committee	To be informed after checking eligibility of bidders
XI	Place of opening of bids	Estate Office , PEC University of Technology, Sector 12, Chandigarh- 160012

XII	Address for communication	Director “ PEC University of Technology, Sector 12, Chandigarh 160012
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Important Notes:

I.	Bidders shall have to submit their bids on-line in Electronic Format with Digital Signatures.
II.	All terms and conditions, instructions to bidder regarding e-tendering process etc. may kindly be seen from the Detailed Notice Inviting Tender (DNIT) available on Chandigarh Administration website (http://etenders.chd.nic.in) or on the PEC University of Technology institute website (www.pec.ac.in).
III.	The bidder has to submit the original documents in physical form such as EMD, eligibility documents and other desired documents on the date fixed for the same in the above table. The failure will entail summarily rejection of its tender.
IV.	The undersigned reserves the rights to reject or accept any or all tenders without assigning any reasons.

**University Engineer
PEC University of Technology Sector -12, Chandigarh**

SECTION - II: IMPORTANT INSTRUCTIONS TO TENDERERS

The University Engineer PEC University of Technology on behalf of Director, PEC University of Technology invites item rate e : tender from Original Equipment manufacturers i.e. **WIPRO , GODREJ, FEATHERLITE, DURIAN, STEELAGE, STEELBIRD, METHODOX** and their authorized dealers & who had successfully completed minimum 3 equivalent works of Govt. / Grant – in - Aid Educational & Research Institutions / Deemed Universities in the last Five (05) years.

Name Of Work : SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.

ESTIMATED COST:- Rs.13,09,100/-

PART A:

1. Tenderers are advised to study all technical and commercial aspects, instructions, forms, terms and specifications carefully in the tender document. Failure to furnish all information required in the tender document or submission of a bid not substantially responsive to the tender document in every respect will be at the tenderers risk and may result in the rejection of the bid. Specialized agencies that fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - a) Should have satisfactorily completed the works as mentioned below during the last Five years ending last day of the month February 2017.
 - b) One similar work costing not less than Rs. 50 lacs. Or 2 similar works each costing not less than Rs. 25 lacs for Govt. / Grant – in - Aid Educational & Research Institutions / Deemed Universities . Certificates to be attached along-with photographs of executed work .
 - c) In case of works executed in Private Educational & Research Institutions / Universities /Deemed Universities ; completion certificate should be accompanied with TDS certificates on executed value along-with photographs of executed works .

Similar work shall mean works of providing and Placing of furniture Items in the / Educational / Institutional buildings.

The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of application for tender.

2. Should have a certified Manufacturing process & possess recognition by authorized agencies for Accreditation / Applicable Standardization / quality Fabrication of their products.
3. The intending bidder must read the terms and conditions of Bid document carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required and capable of completing the work in 30 days after the award of tender.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.pec.ac.in , <http://etenders.chd.nic.in>

5. Earnest Money can be paid in the form of Demand Draft or Pay order or Banker's Cheque drawn in favour of **Director , PEC University of Technology, Chandigarh**
6. After submission of bid, bidders shall be called for detailed power point presentation by authorized committee members of PEC for know-how of bidder's company / firm credentials , products and for displaying the samples of bid items & Inspection of products at Commercial shop or manufacturing place etc. along-with quality and testing certificates of bid products to ascertain the durability and life of the product . Cost of entire presentation , display of samples , arrangement of inspection of PEC authorities from Institute to Commercial Shop / manufacturing place , shall solely borne by bidder with intimation in advance to Committee members .
7. On the basis of presentation , display and Inspection Report , eligibility of prequalification for the opening of Technical bid shall be determined and result of prequalified bidders shall be declared . Submitted Bid of disqualified bidders shall stand cancelled and they shall not be the further part of competitive bidding . The Director / Authorized committee , PEC reserves the right for the decision of pre-qualification for eligible bidder as per their consensus without assigning any reasons to bidders thereof .
8. The technical bid of qualified bidder shall be opened on **12.04.2017** at 3:30 pm. and shall be matched with data and description as shown during presentation . In case of mismatch of presented data, . the concerned bidders shall further disqualify for opening of financial bids .
9. The financial bid shall be opened of those bidders, who fulfill the qualification criteria mentioned as above or in tender document as found eligible.
10. The PEC reserves the right, if required, to reduce the scope of work, there by carry out the reduction or alteration in quantities of items, whole or part, before or during the execution period of work and further to get the work done by some other contractor or through any other means of execution, as per the requirement and suitability.
11. The PEC reserves the right to reject or cancel the Bid without assigning any reason thereof.

PART B:

1. The following documents are required to be submitted online along with technical bid by the bidders after carefully studying the bid documents & without which the bid shall be rejected.
 - (i) All the documents with bidder's signature and stamp on all the pages before uploading and digitally signed after uploading .
 - (ii) General Conditions of Contract and Technical Specifications.
 - (iii) Copy of satisfactory installation completion certificate or any definite proof from appropriate authority, which shall be satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude as specified at point No.1 of Part-A of this document.
 - (iv) In case of Dealers, valid authorization letter for dealership with details of product , from OEM / Principal Manufacturers shall be enclosed in the bid document with respect to supply all the items of bid .
 - (v) **An affidavit as under :**

“I/We undertake and confirm that eligible similar work(s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of PEC UNIVERSITY OF TECHNOLOGY, then I/we shall be debarred for bidding in PEC UNIVERSITY OF TECHNOLOGY in future forever. Also, if such a

violation comes to the notice of PEC UNIVERSITY OF TECHNOLOGY before date of start of work, the Director shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.”

- (vi) EMD and cost of tender documents in the form of two separate Demand Drafts or Pay orders or Banker's Cheque drawn in favor of Director, PEC UNIVERSITY OF TECHNOLOGY, Chandigarh, to enclosed in the separate envelop and submitted to Director PEC .
 - (vii) Copy of VAT & CST Registration Certificate, PAN NO. Excise and Service Tax Registration Certificate
 - (viii) Audited Annual Report of Last 3 Years (Average annual turnover of the firm for last three financial years i.e. 2013-14 to 2015-16 and should be more than 50 Lacs (attach Audited Annual Accounts having balance Sheet and P&L Account on-line).
 - (ix) Bidder firm must be profit making for last three financial years. (Attach Audited Annual Accounts on-line)
2. The following documents are required to be submitted along with financial bid by the bidders without which the bid shall be rejected.
- (i) Bid form duly filled by the authorized person in e bid and digitally signed .
 - (ii) On line Price Schedule duly filled rates in numeric and name of bidder in specified place. Rate in Words and total shall be automatically filled by program of e bid .
 - (iii) The quoted rates shall be for new & standard quality furniture and for manufacturing and installation , placing with inclusive of all taxes including service tax , manpower ,material , service charge , transportation and placing of furniture up to Vth storey as per satisfaction of client and layout with cost of remaking of existing damage work if any during placing of furniture .
3. Conditional tenders shall be rejected without asking any explanation to bidders .
4. Failure to produce any documents may be liable to reject the bid.
5. Contractor must ensure to quote rate of each item clearly. If the column / space specified to quote the rate found blank and no rate is quoted by the bidder, the rate of such item shall be treated as “0” (Zero)
6. It will be responsibility of bidder to maintain proper cleanliness and decorum of Institute premises and its surrounding area or any other place to be used by bidder for installation purpose as per requirement of PEC Authorities . The bidder will also be responsible to clear the wastage / garbage etc. on daily basis created due to installation work .
7. Any loss due to theft and breakage of furniture , will have to be borne by the bidder only .

PART C: Important Conditions of Contract:

1. The time allowed for completion of work is **30 days**. **Time is the essence of this work.**
2. Bids with any deviation in Warranty requirements as given in point no.5 of Section IV, conditions of contract shall be rejected.
3. Bids with any deviation in Payment Terms as mentioned in point no.6 of Section IV, conditions of contract shall be rejected.
4. Bids submitted later than the deadline shall be rejected.
5. Contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in point no.4 of section IV. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1, 00,000/-) or Bank Guarantee of any Scheduled Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in point no.4 of section IV, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
6. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
7. The Director, PEC UNIVERSITY OF TECHNOLOGY, Chandigarh does not bind himself to accept the lowest or any other bid and reserves to himself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
8. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
9. The Director, PEC UNIVERSITY OF TECHNOLOGY, Chandigarh reserves the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
10. The bid for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of eligibility bid. If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the PEC UNIVERSITY OF TECHNOLOGY shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.

- a) This notice inviting e tender shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of The Notice Inviting e Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

**Director,
PEC UNIVERSITY OF
TECHNOLOGY, CHANDIGARH.**

SECTION III: GENERAL INSTRUCTIONS TO BIDDERS

1.0 Cost of bidding:

The bidder shall bear all cost associated with the preparation and submission of its bid, and PEC UNIVERSITY OF TECHNOLOGY will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

2.0 Bidding Documents:

2.1 The goods required, bidding procedures and conditions of contract are prescribed in the bidding documents.

2.2 The bidder is required to examine all instructions, commercial terms and conditions, forms, technical specifications, schedule of requirements etc as included in the bidding documents. Failure to furnish all information required by the bidding documents or submission of an incomplete and or partially quoted bid will remain at the bidder's risk and may result in the rejection of his bid.

3.0 Clarification of bidding documents & Pre Bid Meeting:

A prospective bidder requiring any clarification of the bidding documents may discuss the same during Pre Bid meeting. Site visit can be done on appointed time before the pre bid meeting.

4.0 Amendment of bidding document:

4.1 PEC UNIVERSITY OF TECHNOLOGY may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may issue clarification and corrections within 3 days after the pre bid meeting.

4.2 Such clarifications and corrections will be notified on website. Inclusion of such clarification and corrections will be binding on bidders.

5.0 Bid Price & Bid Currency:

The bidder shall indicate item prices of the furniture items it proposes to supply & install under the contract as per the format specified in e financial bid . All the clearance needs to be done by Bidder. All Freight and Insurance up to PEC UNIVERSITY OF TECHNOLOGY, Chandigarh ,must be included in the quoted price. The quoted rates shall be absolute and inclusive of all freight, octroi, taxes, Levies, CESS, etc. and nothing shall be acceptable to any variation.

6.0 EMD:

6.1 Pursuant to Clause the bidders shall furnish as part of its bid an EMD of **Rs.26,182/-** The bid security shall be issued by a scheduled bank in India. The EMD can only be deposited in the shape of Demand Draft or Pay order or Banker`s Cheque drawn in favour of Director, PEC UNIVERSITY OF TECHNOLOGY, Chandigarh.

- 6.2 EMD shall remain valid up to 90 days from the date of opening of the Tender.
- 6.3 Any bid not secured in accordance with clauses 7.1 and 7.2 shall be rejected.
- 6.4 The EMD is required to protect PEC UNIVERSITY OF TECHNOLOGY against the risk of bidder's non-performance.
- 6.5 The EMD of all the bidders shall be discharged upon signing of the contract and furnishing the performance security by the successful bidder, pursuant to Annexure 2.

6.6 **The EMD shall be forfeited:**

- (a) If a bidder withdraws its bid during the period of bid validity specified by the bidder on the bid form: or
- (b) In the case of a successful bidder, if the bidder fails to sign the contract within seven days from the date of acknowledgement of intent and furnish the performance security in accordance with clause 4.0 of section IV.

7.0 **Period of Validity of bids:**

- 7.1 **Bids shall remain valid up to 90 days from the opening of tender.** Bids, not valid until the date mentioned above, **shall be rejected.**
- 7.2 In exceptional circumstances, PEC UNIVERSITY OF TECHNOLOGY may solicit the bidder's consent to an extension of the period of validity. The request and the responses shall be made in written. A bidder granting the request will not be required nor permitted to modify its bid.

8 **Deadline for submission of bids:**

- 8.1 **Bids must be uploaded on the e: Portal of Chandigarh Administration by PEC UNIVERSITY OF TECHNOLOGY as per time specified in Table - 2 of Section -1 .**

However, if the last date of submission is declared to be public holiday, the submission date will be postponed for the next working day at the same time.

PEC UNIVERSITY OF TECHNOLOGY may, at its discretion, extend this deadline for the submission of bids by and time

9 **Opening of bids by PEC UNIVERSITY OF TECHNOLOGY:**

- 9.1 Committee will open the technical bids in the presence of qualified bidders or their representatives who choose to attend at **03: 30 P.M.** on the day as intimated in advance at PEC UNIVERSITY OF TECHNOLOGY, Chandigarh.
- 9.2 An evaluation of technical bid shall be carried out by the committee on the requirements laid down in bid documents and presentations . Bidder's qualifying technical criteria shall be asked to submit the sample of their product as per SPECIFICATION as specified .
- 9.3 Sample evaluation committee will check the sample so submitted.
- 9.4 The bidders whose sample will be approved by sample evaluation committee and also **fulfill the qualification criteria mentioned in the tender document shall be found technically qualified.**

- 11.5 The financial bid of only those bidders will be opened whose technical bid and sample will be approved by the committee
- 11.6 The bidder's name, bid prices, modifications, bid withdrawals and the presence or absence of the requisite EMD and such other details as PEC UNIVERSITY OF TECHNOLOGY at its discretion, may consider appropriate will be announced at the opening.
- 11.7 PEC UNIVERSITY OF TECHNOLOGY shall prepare minutes of the pre bid meeting.

12.0 Project Completion:

Fabrication, delivery, installation and handing over of all items of all the furniture items shall be made by the contractor to PEC UNIVERSITY OF TECHNOLOGY at Chandigarh within 30 days from the stipulated date of start.

13.0 Warranty:

Bid with any deviation in warranty period as mentioned in Section IV, Clause 5.0 Conditions of Contract shall be rejected.

14.0 Payment:

Bid with any deviation in payment term as mentioned in Section IV, Clause 6.0 Conditions of Contract shall be rejected.

15.0 Authorization Letters

Non-submission of authorization letters to cover warranty period from the OEM/manufacturers/Dealers shall result in rejection of bid.

16.0 Bid Evaluation and Award Criteria:

- 16.1 PEC UNIVERSITY OF TECHNOLOGY will examine the bids to determine whether they are complete, whether any computational / software errors are there, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 16.2 Arithmetical errors in the financial bid if any shall be evaluated on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the bidder does not accept the correction of the errors, its bid will be rejected, and its EMD shall be forfeited.
- 16.3 PEC UNIVERSITY OF TECHNOLOGY may reconsider any minor informality, nonconformity, or irregularity in a bid which does not constitute a material & rate deviation, total quoted amount deviation, provided such consideration does not prejudice or affect their relative ranking of any bidder.
- 16.4 Prior to the detailed evaluation, PEC UNIVERSITY OF TECHNOLOGY will determine the substantial responsiveness of each bid to the bidding documents. For the purpose of

these clauses a substantially responsive bid is the one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning bid security, applicable law and taxes and duties, will be deemed to be a material deviation. PEC UNIVERSITY OF TECHNOLOGY determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. Bid evaluation will be done in three stages technical evaluation followed by sample approval and financial evaluation.

16.5 If a bid is not substantially responsive, it will be rejected by PEC UNIVERSITY OF TECHNOLOGY and may not subsequently be made responsive by the bidder by correction of the nonconformity.

17 **Project Completion:**

In case if the bidder fails to complete the project within stipulated period of 30 days, performance security shall be forfeited.

PEC UNIVERSITY OF TECHNOLOGY will award the Contract to the successful bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.

18.0 **PEC UNIVERSITY OF TECHNOLOGY Right to accept or reject any or all bids:**

PEC UNIVERSITY OF TECHNOLOGY reserves the right to accept or reject any bid, and to null the bidding process and reject all bids, at any time prior to award of contract, without there by incurring any liability to the affected bidder, or bidders or any obligation to inform the affected bidder or bidders of the grounds for PEC UNIVERSITY OF TECHNOLOGY.

19.0 **Signing of Contract:**

Within fifteen (15) days of receipt of the notification of award from PEC UNIVERSITY OF TECHNOLOGY, the successful bidder shall furnish a performance Security in the form of Bank Guarantee for 5% of contract price. The successful bidder then shall sign the contract and return it to PEC UNIVERSITY OF TECHNOLOGY.

SECTION IV : CONDITIONS OF CONTRACT (COC)

Clause No. Particulars of PEC UNIVERSITY OF TECHNOLOGY Requirements

1.0 Definitions

In this contract the following terms shall be interpreted as indicated.

- A. **"The Contract"** means the agreement entered into between PEC UNIVERSITY OF TECHNOLOGY and contractor, as recorded in the Contract Form signed by the parties, including all amendments and appendices thereto and all documents incorporated by reference therein.
- B. **"The Contract Price"** means the price payable to the bidder under the contract.
- C. **"The Goods"** means all of the equipment, furniture and services, which the contractor is required to supply to the PEC UNIVERSITY OF TECHNOLOGY under the contract.
- D. **"The Contractor"** means the individual or firm supplying the goods under this contract also referred as bidder , tenderer, supplier , contractor .

2.0 Country of Origin

All goods supplied under the contract shall have their country of origin mentioned.

3.0 Standards

The goods supplied under this contract shall conform to the standards mentioned in the Technical Specifications and clause No. 2 of Part A of Section – II,

4.0 Performance Security

- 4.1 The successful bidder shall submit a bank guarantee equivalent to 5% of the contract price as performance security at the time of signing of contract as per Annexure 02 enclosed in the bid document and manner specified in clause 19 of Section – III. The currency of the bank guarantee shall be in currency of contract. **The validity of the bank guarantee shall cover the warranty period plus two more months as mentioned in the warranty clause.** The performance security shall be issued by a scheduled bank located in India.
- 4.2 The proceeds of the performance security shall be payable to the PEC UNIVERSITY OF TECHNOLOGY as compensation for any loss resulting from the contractor's failure to complete its obligations under the contract.
- 4.3 The performance security will be discharged by PEC UNIVERSITY OF TECHNOLOGY not later than sixty (60) days following the date of completion of the contractor's performance obligations including warranty obligations, under the contract.

5.0 Warranty:

- 5.1 Full warranty shall be provided on the goods supplied and installed. The warranty to attend defects and to carry out maintenance or repairing operations to make

the furniture good at site shall remain valid for the period of **02 (Years)** from the date of satisfactory completion of work.

5.2. PEC UNIVERSITY OF TECHNOLOGY shall promptly notify the contractor in writing of any claims arising under this warranty. Upon receipt of such notice, the contractor shall arrange, with all reasonable speed, repair or replace the defective furniture or parts to PEC UNIVERSITY OF TECHNOLOGY. Transition costs if any, shall be borne by the contractor.

5.3 In the event of non compliance to attend the repair / maintenance call from PEC UNIVERSITY OF TECHNOLOGY within three working days of receipt of written intimation, a penalty of Rs. 5000.00 per day of delay shall be imposed and chargeable from the performance security.

6.0 Payment

6.1 Payment for the goods shall be made in the following manner:

- i. 100 percent after installation of furniture.

7.0 Contract amendments.

No variation in or modification of the terms of the contract shall be made except by written amendment signed by the both parties.

8.0 Assignment:

The bidder shall not assign, in whole or in part, its obligations to another party to perform under this contract, except with PEC UNIVERSITY OF TECHNOLOGY prior written consent.

9.0 Applicable Law:

The contract shall be interpreted in accordance with prevailing laws of Government of India / Chandigarh Administration .

10.0 Taxes and Duties:

A contractor shall be entirely responsible for all taxes, stamp duties, license fees centre / state taxes and other such levies imposed under this contract .

11.0 Liquidated damages:

11.1 If the contractor fails to complete the work as per time schedule specified in the contract, the PEC UNIVERSITY OF TECHNOLOGY shall, without prejudice to its other remedies under the contract, deduct from the contract Price, as liquidated damages, a sum equivalent to 1.00% percent of the delivered price of the delayed goods for each week of delay up-to maximum 5% of contract value until actual delivery or performance up to a maximum is reached, PEC UNIVERSITY OF TECHNOLOGY may consider termination of the contract also.

12.0 Force Majeure:

- 12.1. The contractor shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 12.2 For purposes of this clause, "*Force Majeure*" means an event beyond the control of the supplier and not involving the supplier's fault or negligence. Such events may include, but are not restricted to, acts to PEC UNIVERSITY OF TECHNOLOGY either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 12.3 If a Force Majeure situation arises, the supplier shall promptly notify PEC UNIVERSITY OF TECHNOLOGY in writing of such condition and the cause thereof. Unless otherwise directed by PEC UNIVERSITY OF TECHNOLOGY in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 13 Any damage done by the contractor to any existing work during the course of execution of the work shall be made good by him at his own cost.
- 14 The contractor shall submit a detailed program of work within 5 days of the date of issue of letter of intent. Detailed program should include all the mile stones, cash flow, material procurement, manpower deployment and shop drawings of products for client approval before manufacturing. Program must show clearly the critical path to complete the project in time.
The committee can modify the program and the contractor shall have to work accordingly. During review of work progress, committee can ask to modify the program. Contractor shall resubmit the modified program in 2 days.
- 15 The quantities of each item shall not be exceeded beyond the agreement quantities without prior permission of competent authority.
- 16 Statutory deductions on account of VAT, Income tax, CESS and surcharge , service tax , contract tax as applicable shall be made from the gross amount of the bill.
- 17 No payment shall be made to the contractor for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work. The damage caused to work shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.
- 18 Other agencies may also simultaneously be executing the work of painting, wood work, electrification, Civil & Interior works external services and other building works for the same building along with this work. The contractor shall afford necessary facilities for the same and no claim in the matter shall be entertained. The contractor shall especially co-ordinate with the other agency carrying out his work
- 19 The contractor shall take all precautions to avoid accidents by exhibiting necessary

caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to people movement during the execution of the work by storing materials in the corridor or common circulation area .

- 20 Any reference made to any Indian Standard Specifications or other considered standards in these documents, shall imply to the latest version of those standard, including such revisions / amendments as issued by the Bureau of Indian Standards / other bodies up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian/ other Standards applicable to the work at site.

SECTION V: SCHEDULE OF QUANTITY

Sr. No.	Description (For details, refer its Specification)	Qty.
A	Digital Library	
1	Table with Return Unit & Back Unit	1
2	Low Height Storage Unit	2
3	COMPUTER & Language Lab. Workstation	32
4	Workstation Chair	32
5	Reclining Chair	11
6	Round Table 900mm Dia.	2
7	Round Table 450 Dia.	4
B	Dean Academic Affairs Office	
1	Dean Office	
a	Dean Main Table , Return Unit , Back Unit	1
b	Dean Chair	1
c	Dean Visitor Chair	4
d	Sofa 2 - Seater	3
e	Centre Table	1
f	Corner Table	1
2	Waiting Area	
a	Sofa 3- Seater	1
b	Sofa 1- Seater	1
c	Centre Table	1

d	Corner Table	1
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Sr. No.	Description (For details, refer its Specification)	Qty.
3	Staff Area	
a	COMPUTER Workstation / Table	13
b	Staff Table with Return Unit	4
c	Staff Chair	17
d	Associate Prof. Visitor Chair on Staff Table	8

SECTION VI : TECHNICAL SPECIFICATIONS

(A) GENERAL :

1. The work shall be executed and measured as per metric dimensions given in schedule of quantities, etc.
2. All basic elements / modules / units of SS or MS shall be machine made in factory and only assembly/ erection/ installation shall be done at site.
3. The contractor shall submit the details of factory for approval to committee. The committee constituted by the Director shall inspect the factory and approve the same for fabrication of stainless steel and wooden components. The contractors shall make all necessary arrangements for inspection of the committee as per own cost .
4. All hardware components like clamps/ nut / bolts/ washers, screws, gaskets, fitting and fixture, brackets, roller/ guide/ slide, caters, hardware etc. as may be required or are forming integral part of the system/ basic elements / modules/ units for construction/ installation shall meet relevant structural and other requirements and be provided without any extra cost to the department.
5. All hardware items standard or tailor made shall be first quality from reputed manufacturers and shall be got approved from committee before actual execution .
6. Wooden components shall be seasoned. All operation of molding, cutting, edge & surface sanding, lacquer/melamine polishing, drilling holes, etc. shall be performed in factory workshop.
7. All the materials brought to site shall be protected suitably, duly wrapped / packed and stored so as to avoid any damage during loading/ transportation/ unloading/ handling / installation/ erection or due to weather conditions etc. at any stage.
8. The material brought to site shall be stacked properly at the site store to protect from damaged, moisture, etc. and assembly and erection shall only be performed at site

(B) MATERIALS & EXECUTION:

1. The shop drawings duly marked with material specifications and sizes of members shall be submitted within 07 days from the date of start of work by bidder as per sizes and materials mentioned in Schedule of quantities .
2. The manufacturing of framework shall be carried out in workshop as approved by Director.
3. All material before being assembled shall be straightened, if necessary, unless required to be curvilinear form and shall be free from twist and shall be assembled in such manner that they are neither twisted nor damaged.
4. The agency has to ensure that there is no damage whatsoever to the floor/ floor tiles while fixing. If any damage occur the agency would have to bear all the repair cost as necessary..
5. The agency shall adopt all safety precautions while carrying out erection at site and any damages caused to existing works shall have to be repaired by agency at their own cost and nothing extra shall be paid on such account.
6. Contractor and labor will have to follow the discipline and rules of working inside PEC UNIVERSITY OF TECHNOLOGY, Chandigarh.

TECHNICAL SPECIFICATION OF FURNITURE ITEMS :

A : Digital Library :

Sr. No.	Type of Furniture	Description of Item
1	Staff Table with Return Unit & Back Unit	<p>Main table of size 1350x 600 x 740mm completely made up of Pre-lam particle board conforming to IS : 12823 Interior Grade with PVC edge banding. Top are with 25mm thk boards with 2mm PVC edge banding with enhanced scratch resistance supported on 25mm thk. Separate provision for mounting switches on the wall adjoining the tables which shall be made by PEC . Wire routing / wire management grommets shall be provided on main or side table as specified by the PEC . Return table of size 1050 x 450 x 700mm completely made up of Pre-lam particle board conforming to IS : 12823 Interior Grade with PVC edge banding.</p> <p>Under-structure :- Table top is supported in Leg ht adjustable powder coated M.S. legs and modesty panel made of steel powder coated finish. These have four main parts – Base, Vertical Frame, Top support brackets and Side Covers. Base is aesthetically formed in steel with rounded edges for safety of users. Levellers are provided to take care of any unevenness in the floors. Back storage units of size 900x425x700mm H made up of 18mm thk. Pre-lam particle board having premium lock with appropriate key technology. Storage body is made of 18mm thick pre laminated practical Board conforming to IS : 12823. The back of the unit is made from 9mm pre-laminated board. The top, side and hinged shutters are sealed with 2mm thick PVC edge banding. The storage units are assembled by knock down fittings of approved make. Pedestal unit of size 350x450x550mmH made up of 18mm thk. Pre-lam particle board conforming to IS : 12823 Interior Grade with post formed edge profile on top with premium central locking and 3 equal size drawers with roller slide mechanism for added mobility complete in all respects as per Direction of Engineer –In – Charge .</p>
2	Low Height Storage Unit	<p>Size 900 mm wide x 425 mm depth x 1240 mm height : Top Panel: Option of 25 / 18 mm thick Pre-laminated Particle Board with PVC Edge Banding.</p> <p>Door Shutters: 18 mm thick Pre-laminated Particle Board with PVC Edge Banding .Side Panels: 18 mm thick Pre-laminated Particle Board with PVC Edge Banding.Back Panels: 9 mm thick Pre-laminated Particle Board with PVC Edge Banding. Shelf Panels: 18 mm thick Pre-laminated Particle Board with PVC Edge Banding. Hardware: High Quality Components for fitting the panels, handles and lock. Premium Lock with appropriate Key Technology. Provision for adjustability of the Shelf Panel inside the Storage with Pin Support.PVC Edge Banding is done by machine pressed with hot melt glue.</p>

3	COMPUTER & Language Lab. Workstation	<p>Workspace-1200x600x750mm, 25 mm thick prelam particle board of suede finish with 2 mm thick pvc edge banding of matching shade to make it more resistant towards heat and moisture.</p> <p>Understructure: Clean and clutter free frame with top support in enlengthened or equivalent design conforming to functionality standards of 75mmx50mmx 2mm and legs made of 50mmx50mmx2mm of 5 layered 50 micron powder coated seamless crca sections integrated with power beam at centrally placed positions with hieght adjustable polyvinylchloride moulded accessories . Provision for wire management is through the vertical and horizontal of the mast made up of 1.6 mm thick CRCA bent into the C shape channel. The mast size is 500 x 105mm and cover is 0.7mm thick galvanized iron sheet in powder coated finish. The inner brackets are 3 mm thick CRCA. Provision for flip top boxes. The leg shoe is made up of 100% recyclable nylon 6. The shoe helps in mounting of levellers on the legs by eliminating any welding process. The levellers are made of Nylon 6 with M8 bolts insert moulded to take care of any floor undulation. Beam is made of 1.2mm thick CRCA bent in the form of C channels with 3mm thick CRCA brackets. The bottom cover is made of 0.7 mm thick GI sheet.</p> <p>WIRE MANAGEMENT: - The vertical wire is carried through the mast and is carried in the horizontal direction by the beam which also acts as wire carrying member. The switches can be mounted on Duo provided above table top.</p>
4	Workstation Chair	<p>Medium Back. Fabric seat and back, 1 D Arm rest. PU Arm pads, 650 mm dia Nylon base, 50 mm Nylon Castors, Class 4 gas lift, Synchro SINGLE POINT locking position mechanism . All components tested as per Standards . Medium Back (MB) 670mm (H) X 535mm (W). The backrest tested for 1,20,000 cycles to be completed with a load of 44.5Kg</p> <p>SEAT : The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 510mm (W) X 535mm (D). The seat tested for 1,00,000 cycles to be completed with a load of 57kg impact force on the. Seat foam made out of moulded Polyurethane foam with Density: 50-60 Kg/m³, Hardness: 15-20Kgf and Tensile strength: 0.9-1.2 Kg/cm²</p> <p>ARM REST : The armrests made up of black integral skin polyurethane with 40-55 Shore Hardness and reinforced with 2mm thick M.S. insert. Arm pad size 258mm (L) x 112mm (W). The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 6mm thick. HR steel. 2D arms with height adjustable up to 80mm & front and back with adjustable up to 60mm. Arm rest tested for 60,000 Cycles to be completed with load of 40Kg as per standards</p> <p>MECHANISM : SINGLE POINT SYNCHRO MECHANISM : Conventional mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate thickness is 3mm and seat is tilting</p>

		<p>angle is 3°~10°. and back tilting angle is 87°~106°. Also it has the back tension adjustment knob. Mechanism tested for 3, 00,000 Cycles as per standards</p> <p>GAS LIFT :Gas lift pipe diameter 50mm and has an Height adjustment stoke of 112mm. Gas lift tested for 1, 00,000 Cycles as per standards.</p> <p>BASE : NYLON BASE : The base made up of injection moulded in black glass filled nylon and fitted with 5Nos twin wheel castors. The base is 658mm pitch circle diameter. The base tested for static load of 1134Kg as per standards .</p> <p>CASTERS : NYLON CASTORS : The twin wheel castors are injection moulded in nylon and diameter of Castor 60 mm. The castors are tested for 1,00,000 Cycles as per Standards .</p> <p>Seat Fabric with 100%Polyester content and Abrasion over 30000 and Flammability as per standards and Back Mesh with 100% polyester content Abrasion of WARP Over 100 000 WEFT Over 100 000. Flammability:</p>
5	Reclining Chair	<p>Reclining chair/ Sleeping chair on MS steel pipe frame. Cushioned, without pillow, as per representative images below, headrest to be created and contoured within the up-holstry of the backrest mattress and not as a separate pillow . Head angle between 130-140 degrees . The reclining chair should have a total undulating length of at least 180 cm including leg rests. The width of chair should be at least 30 inches (75-80 cm). Height of chair should be 30 -40 cm from the floor MS steel frame in full length made of 2-2.5 inch high quality steel pipe circular or oblong to give 100 Nos. more strength at places should be corrosion resistant and powder coated in TA grey colour. Foam Cushion on the chair should be 4 inch thick, single piece undulated with ILD 50 density high resiliency foam covered with high quality leatherette / Rexene. The covering material should be durable, non-erodible, non-cracking, long lasting, fire retardant, seamless double stitching without piping and azure blue in colour. The MS steel frame should have appropriate MS steel wire frame support with compressed spring suspensions to provide comfort to back.</p>
6	Round Table 900 mm Dia	<p>Stainless steel 16 guage legs with 12mm toughened glass top, Height 750mm.</p>
7	Round Table 450 Dia	<p>Stainless steel 16 guage legs with 12mm toughened glass top, Height 750mm.</p>

Office of Dean Academic Affairs

1 : Dean Office

<p>a</p>	<p>Dean Main Table , Return Unit , Back Unit</p>	<p>Main Table :- 2100 (L) x 900(W) x 740(H), Table Top: - The table top is Post-laminated for better abrasion and scratch resistance. The Table top is made of Particle Board of approved colour with 1mm top laminate and 1mm bottom laminate. The complete Table top is 36mm thick. All exposed edges have 2mm PVC edge banding . Modesty panel: - The modesty is Post-laminated for better abrasion and scratch resistance. The Modesty is made of 18mm Particle Board with 1mm top laminate and 1mm bottom laminate. All exposed edges have 2mm PVC edge banding. The colour of the modesty is matching to the table top colour. Understructure :- The understructure is 200mm wide on one side is 25mm. It is made up of prelam particle board and is black in colour. The understructure has wire management properties and can carry concealed wires within it. All exposed edges have 2mm PVC edge banding. Wire Management :- The understructure has the capability of carrying wires within it. The main table has an access flap arrangement for easy access of switches and sockets for connecting the gadgets. The access flap cover is made of Aluminum extrusion and powder coated upto 50-60 microns.</p> <p>Extension Table :- 1150 (L) x 750 (W) x 740 (H) The table top is of an arc shape and Post-laminated for better abrasion and scratch resistance. The Table top is made of Particle Board with 1mm top laminate and 1mm bottom laminate. All exposed edges have 2mm PVC edge banding. The complete Table top is 36mm thick and available in black colour. Table Top: - The table top is Post-laminated for better abrasion and scratch resistance. The Table top is made of 36mm Particle Board with 1mm top laminate and 1mm bottom laminate. All exposed edges have 2mm PVC edge banding. The Table top colour is matching to the main table Understructure :- The understructure is made of 25mm thick prelam particle board and is black in colour. All exposed edges have 2mm PVC edge banding.</p> <p>Back Storage :- 900 (W) x 450 (D) x 740 (H) The back storage has 2 sections; namely; storage unit and display unit (above the storage space). The storage carcass is made of 18mm thick prelam particle board of black colour. The shutters and storage top are Post-laminated for better abrasion and scratch resistance. The storage top is made of 36mm Particle Board with 1mm top laminate and 1mm bottom laminate. The shutters are made of 18mm Particle Board with 1mm top laminate and 1mm bottom laminate. The storage back is made of 9mm thick prelam particle board. The shutter and storage top colour is matching to the main table. The storage is completely handle less and is openable from the top. Al hinges are from Hettich. One number EBCO premium lock has been considered for the storage. All exposed edges have 2mm PVC edge banding. The storage skirting is of 75mm high, the storage area height is 455mm high and the display area is 175mm high.</p> <p>Tower Unit :- 750 (W) x 450 (D) x 1950 (H) The tower unit has 2 sections; namely; storage unit below and display unit (above the storage space). The carcass of the tower unit is made of 18mm thick prelam particle board of</p>
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		<p>black colour. The shutters and tower unit top are Post-laminated for better abrasion and scratch resistance. The shutters and top are made of 18mm Particle Board with 1mm top laminate and 1mm bottom laminate. The shutter and top colour is matching to the main table. The Tower back is made of 9mm thick prelam particle board. The storage section is completely handle less and is openable from the top. The hinges are from Hettich. All exposed edges have 2mm PVC edge banding. The storage skirting is of 75mm high, the storage area height is 455mm high and the rest is display area. The display area has glass shutters of 450mm width. The glass considered is 5mm toughened and has hinges and knob for access.</p>
<p>b</p>	<p>Dean Chair</p>	<p>BACKREST : Made up of combination of 12mm (7 layers) & 4mm (3 layers) thick hot pressed plywood and 37mm thick, 32 Density U foam upholstered with fabric or Leather. The back ply and foam is designed with contoured lumber support for achieving comfortable seating posture. Back rest available in two sizes - Medium Back (MB) 700mm (H) X 550mm (W). The backrest tested for 1,20,000 cycles to be completed with a load of 44.5Kg as per Standards .</p> <p>SEAT : The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 510mm (W) X490mm (D). The seat tested for 1,00,000 cycles to be completed with a load of 57kg impact force on the seat as per ANSI / BIFMA X5.1.,Seat foam made out of moulded Polyurethane foam with Density: 50-60 Kg/m3 and Resilience: 50% - 60%</p> <p>ARM REST : The armrests made of black integral skin polyurethane with 40-55 Shore Hardness and reinforced with 2mm thick M.S. insert. Arm pad size 248mm (L) x 92mm (W). The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 6mm thick. HR steel. 2D arms with height adjustable up to 80mm & front and back with adjustable up to 60mm. Arm rest tested for 60,000 Cycles to be completed with load of 40Kg as per standards .</p> <p>MECHANISM : FOUR POINT SYNCHRO MECHANISM : Mechanism with two lever control for lock and seat height adjustment. Mechanism made out of MS Plate thickness is 3mm and seat is tilting angle is 0°~6°. and back tilting angle is 89°~109°. Also it has the back tension adjustment knob. Mechanism tested for 3, 00,000 Cycles as per standards.</p> <p>GAS LIFT :Gas lift pipe diameter 50mm and has an Height adjustment stoke of 120mm. Gas lift tested for 1, 00,000 Cycles as per standards.</p> <p>BASE :ALUMINIUM BASE : The base made up of pressure die casted in aluminium fitted with 5Nos twin wheel castors. The base is 650mm pitch circle diameter. The base tested for static load of 1134Kg as per standards</p> <p>CASTERS : NYLON CASTORS : The twin wheel castors are injection moulded in nylon and diameter of Castor 50 mm. The castors are tested for 1,00,000 Cycles as per standards</p> <p>LEATHER : Corrected leather, Tannage : Chrome Tanning, Dyeing : Through Dyeing, Finishing : Pigmented and Colour matching and Thickness : 1MM ± 0.1MM as per ISO 2589.</p>

c	Sofa 2 - Seater	Size 850x900x1600mm, FRAME: Inner frame kiln chemical treated tropical meranti wood or equivalent . Solid frame structure made from pneumatic nails supported by plywood. CUSHION: 3" elastic webbing of 350 GSM is used on frames with diagonal pattern to distribute stress evenly, 7" foam made with sandwich of 32D 23D HD to provide lasting comfort and durable seat., 180GSM layer of polyester polyfill over foam to avoid wrinkles and provide soft feel on the upholstery cover, Upholstery with superior quality leatherette stitched with nylon bonded thread providing lasting stitch strength. GLUE: SP4 glue from pidilite, LEGS: Solid wooden legs stained accordingly, PACKING: 4 tier packing, 1st TIER: 130GSM polycover, 2nd TIER: 180 GSM 3rd Ply corrugated pads on all corner sides, 3rd TIER: 150GSM 2nd Ply corrugated sheet of 150GSM, 4th TIER: 300GSM Polycover to cover the Top. Complete in all respects .
d	Dean Visitor Chair	Visitor chair Back Rest :. Back rest size 615 mm x 450 mm , seat Seat is made of 12 mm thick (7 layers) hot pressed plywood and moulded seat and foam up-holedstered with fabric , seat size 455 mm x 480 mm and 470-480 mm height . Seat foam Density 50-60 Kg/m3 , Hardness 15-20 kgf , compression set- 50% 10 Max , Tensile strength 0.9-1.2 kg/cm square , Tear strength (Min) 2.2 N/cm , Resilence 50%-60%. Fixed ARM rest . Understructure metal powder coated with min 19 mm dia pipe leg and 2 mm thick (ERW Pipe-IS 1161 -1998)
e	Centre Table	Centre Table : Size 900 mm wide x 450 mm depth x 450 mm height. 12 mm thick toughened Glass top supported with MS powder coated understructure.
f	Corner table	Corner Table of size 600x600x 450mm height. 12 mm thick toughened Glass top supported with MS powder coated understructure.

2 : Waiting Area

a	Sofa 3 Seater	Three seater sofa 1646 X 700 X 860 polyurethane foam padding material contoured as per mass acceptance Ergonomic profiles glued to the ply and shall consist of 4.5" thick Foam of molded Quality with Density of 45+/-5 kg/m3 Density and shall conform to the standards .
b	Sofa 1 Seater	One seater sofa 600X 700 X 860 of powder coated CRCA Metal understructure with polyurethane foam padding material contoured as per mass acceptance Ergonomic profiles glued to the ply and shall consist of 4.5" thick Foam of molded Quality with Density of 45+/-5 kg/m Density and shall conform to the standards .
c	Center Table	Centre Table : Size 900 mm wide x 450 mm depth x 450 mm height. 12 mm thick toughned Glass top supported with MS powder coated understructure.
d	Corner Table	Centre Table : Size 900 mm wide x 450 mm depth x 450 mm height. 12 mm thick toughned Glass top supported with MS powder coated understructure.

3. Staff Area

<p>a</p>	<p>COMPUTER Workstation / Table</p>	<p>Size 3600 mm wide x 600 mm depth x 1200 mm height partition : is a 60mm tile based system with unique slide in tiles feature with frame design to support 2 tiles to make it more versatile to create different work environments, it comprises of Al extruded Vertical members of grade 63400 (HE9) connected using 1mm thick CRCA Channel horizontals , which are powder coated in textured finish with 50 - 60 DFT with impact resistance of 100 kg.cm & scratch resistance of 2 kg , Flat trim construction in Aluminium grade 63400 (HE9) with contoured edges for a retro international look. End caps in die cast aluminium with a waterfall edge for a continuous transition from horizontal to vertical trim. Tiles can be offered in various options. Overall system width is 60mm, yet supports higher cable management as mentioned above. Raceway of 100mm height @ skirting level comes as standard whereas additional raceways which are externally mounted can be provided both below & above table top to facilitate power/data/voice cabling. the marker tiles & pinup tiles position is such that it avoids RSI. Tabletop in 25mm thick pre laminated boards with machine pressed 2.0mm thick PVC edge Banding using hot melt glue. Standard table top height – 740mm (including table top thickness of 25mm)</p>
<p>b</p>	<p>Staff Table with Return Unit</p>	<p>Main table of size 1350x 600 x 740mm completely made up of Pre-lam particle board conforming to IS : 12823 Interior Grade with PVC edge banding. Top are with 25mm thk boards with 2mm PVC edge banding with enhanced scratch resistance supported on 25mm thk. Separate provision for mounting switches on the wall adjoining the tables which shall be made by PEC . Wire routing / wire management grommets shall be provided on main or side table as specified by the PEC . Return table of size 1050 x 450 x 700mm completely made up of Pre-lam particle board conforming to IS : 12823 Interior Grade with PVC edge banding. Under-structure :- Table top is supported in Leg ht adjustable powder coated M.S. legs and modesty panel made of steel powder coated finish. These have four main parts – Base, Vertical Frame, Top support brackets and Side Covers. Base is aesthetically formed in steel with rounded edges for safety of users. Levellers are provided to take care of any unevenness in the floors Pedestal unit of size 350x450x550mmH made up of 18mm thk. Pre-lam particle board conforming to IS : 12823 Interior Grade with post formed edge profile on top with premium central locking and 3 equal size drawers with roller slide mechanism for added mobility complete in all respects as per Direction of Engineer –In – Charge .</p>
<p>c</p>	<p>Staff Chair</p>	<p>Medium Back. Fabric seat and back, 1 D Arm rest. PU Arm pads, 650 mm dia Nylon base, 50 mm Nylon Castors, Class 4 gas lift, Synchro SINGLE POINT locking position mechanism . All components tested as per BIFMA compliance. Medium Back (MB) 670mm (H) X 535mm (W). The backrest</p>

		<p>tested for 1,20,000 cycles to be completed with a load of 44.5Kg as per Standards SEAT : The seat is made up of 12mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. Seat Size 510mm (W) X 535mm (D). The seat tested for 1,00,000 cycles to be completed with a load of 57kg impact force on the seat as per standards .Seat foam made out of moulded Polyurethane foam with Density: 50-60 Kg/m³, Hardness: 15-20Kgf and Tensile strength: 0.9-1.2 Kg/cm²</p> <p>ARM REST : The armrests made up of black integral skin polyurethane with 40-55 Shore Hardness and reinforced with 2mm thick M.S. insert. Arm pad size 258mm (L) x 112mm (W). The armrests are fitted to the seat with seat/armrest connecting strip assembly made of 6mm thick. HR steel. 2D arms with height adjustable up to 80mm & front and back with adjustable up to 60mm. Arm rest tested for 60,000 Cycles to be completed with load of 40Kg as per standards .</p> <p>MECHANISM : SINGLE POINT SYNCHRO MECHANISM : Conventional mechanism with one lever control for lock and seat height adjustment. Mechanism made out of MS Plate thickness is 3mm and seat is tilting angle is 3°~10°. and back tilting angle is 87°~106°. Also it has the back tension adjustment knob. Mechanism tested for 3, 00,000 Cycles as per Standards . GAS LIFT :Gas lift pipe diameter 50mm and has an Height adjustment stroke of 112mm. Gas lift tested for 1, 00,000 Cycles as per standards . BASE : NYLON BASE : The base made up of injection moulded in black glass filled nylon and fitted with 5Nos twin wheel castors. The base is 658mm pitch circle diameter. The base tested for static load of 1134Kg as per standards .</p> <p>CASTERS : NYLON CASTORS : The twin wheel castors are injection moulded in nylon and diameter of Castor 60 mm. The castors are tested for 1,00,000 Cycles as per standards .</p> <p>Seat Fabric with 100%Polyester content and Abrasion over 30000 and Flammability and Back Mesh with 100% polyester content Abrasion of WARP Over 100 000 WEFT Over 100 000. Flammability:</p>
d	Associate Professor Visitor Chair	<p>Visitor chair Back Rest :. Back rest size 615 mm x 450 mm , seat Seat is made of 12 mm thick (7 layers) hot pressed plywood and moulded seat and foam upholstered with fabric , seat size 455 mm x 480 mm and 470-480 mm height . Seat foam Density 50-60 Kg/m³ , Hardness 15-20 kgf , compression set- 50% 10 Max , Tensile strength 0.9-1.2 kg/cm square , Tear strength (Min) 2.2 N/cm , Resilience 50%-60%. Fixed ARM rest . Understructure metal powder coated with min 19 mm dia pipe leg and 2 mm thick (ERW Pipe-IS 1161 -1998)</p>

EMD FORM

Whereas [name of the bidder] (hereinafter called "the bidder") has submitted its bid dated [date of submission of list] **“SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.”** (Hereinafter called "the bid").

Know all people by these presents that We [name of bank] of [name of country], having our registered office at [address of bank] (hereinafter called "the bank"), are bound unto **PEC UNIVERSITY OF TECHNOLOGY, (hereinafter called "the purchaser")** in the sum of _____ for which payment well and truly to be made to the said purchaser, the bank binds itself, its successors, and assigns by these presents .Sealed with the common seal of the said bank this _____ day of _____ 2017.

THE CONDITIONS of this obligation are:

1. If the bidder withdraws its bid during the period of bid validity specified by bidder on the bid Form;

OR

2. If the bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid validity:

(a) Fails or refuses to execute the Contract Form, if required; or

(b) Fails or refuses to furnish the Performance Security, in accordance with the Instructions to bidder:

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to its owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to _____, 2017, and any demand in respect thereof should reach the bank not later than the above date.

[Signature of the Bank]

Note: This Bid security shall be issued by a reputed commercial Bank in India. The bid security issued by a finance company shall not be acceptable

PERFORMANCE SECURITY FORM

To: **PEC UNIVERSITY OF TECHNOLOGY**

WHEREAS [Name of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. [Reference number of the Contract] dated _____2017

For "**SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.**" hereinafter called" the Contract").

And whereas it has been stipulated by you in the said Contract that the supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the supplier's performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee:

Therefore We hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of [amount of the Guarantee in words and figures], and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [amount of Guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____2017.

Signature and seal of the Guarantors

[Date]

[Address]

Note: This Performance security shall be issued by the reputed commercial bank located in India. The Performance security issued by finance company shall not be acceptable

TABLE OF MILE STONE (S)

Name of Work:- **SUPPLYING AND PLACING OF FURNITURE ITEMS FOR DIGITAL LIBRARY AND DEAN ACADEMIC AFFAIRS OFFICE AT PEC UNIVERSITY OF TECHNOLOGY SECTOR-12, CHANDIGARH.**

Para (A) In Physical / Financial Terms: -

Milestone Programme			
Sl. No.	Gross Work Done Of Total Work Allotted	Time Allotted (From date of start)	Amount to be withheld in case of non-achievement of milestone
1.	Completion of work i/c testing etc. complete	30 days	1.25% of Tended Amount

Para (B): -

Gross work to be done together with net payment/ adjustment of advances for material collected if any, since the last such payment for being eligible to interim payment

Rs.13,09,100 /-