



CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY (DEGREE WING), SECTOR 26, CHANDIGARH
(FAX No. 0172-2750872, Phone No. 0172-2750943)
E-TENDER NOTICE
College website: - www.ccet.ac.in

Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh invites e-tenders for the **purchase of equipments in the Labs of Electronics and Communication Engineering Department** on item-wise basis for each scheme. The dates for opening and closing of e-tender are as given below:-

| Start Date and Time of uploading of e-tender | End Date and Time of uploading of e-tender | Date and Time of opening of Online Bid (Technical Bid) | Earnest Money |
|--|--|--|---|
| 03.12.2019 at 9.00 AM | 16.12.2019 at 11.00 AM | 16.12.2019 at 11.30 AM | Detail of Earnest Money to be deposited is available in the e-tender document. |

Detailed Terms and Conditions including detail of Earnest Money are available in e-tender document.

The bid document can be downloaded from the website of Chandigarh Administration <https://etenders.chd.nic.in> however for general information, guidance and reference; the tenderer can approach to office of Principal, Chandigarh College of Engineering & Technology, (Degree Wing), Sector-26, Chandigarh (Phone No. 0172-2750943)

Principal



**CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY,(DEGREE WING),
SECTOR 26, CHANDIGARH
(Phone No. 0172-2750943)
E-TENDER NOTICE
College website: - www.ccet.ac.in**

Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh invites tenders through e-tendering the purchase of equipments in the Labs of Electronics and Communication Engineering Department on item-wise basis for each scheme :-

| ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT | | | | |
|--|-----------------|--|-----------------|-------------------------------|
| Scheme Name | Item No. | Item | Quantity | Earnest Money (In Rs.) |
| SCHEME –I ADVANCE DIGITAL COMMUNICATION LAB | 1. | DSB/SSB AM Transmitter | 02 | 2260.00 |
| | 2. | DSB/SSB AM Receiver | 02 | 2460.00 |
| | 3. | Frequency Modulation & Demodulation | 02 | 2260.00 |
| | 4. | Digital Companding A-law and u-law | 02 | 3540.00 |
| | 5. | Error Detection and Correction of Cycle Codes | 02 | 3380.00 |
| | 6. | Understanding Block Code Encoder | 02 | 3740.00 |
| | 7. | Understanding Block Code Decoder | 02 | 3740.00 |
| | 8. | Training system for study of PAM, PWM and PPM | 01 | 1770.00 |
| | 9. | Training system for study of PCM, DPCM, CVSD Modulation & Demodulation | 01 | 1900.00 |
| | 10. | Training system for study of Delta, Adaptive Delta & Sigma Delta Modulation & Demodulation | 01 | 1980.00 |
| | 11. | Training System for study of ASK, FSK, BPSK, DBPSK Modulation & Demodulation | 01 | 1930.00 |
| | 12. | Training System for study of QPSK, OQPSK, DQPSK Modulation & Demodulation | 01 | 1930.00 |
| | 13. | Training System for study of MSK, GMSK, FSK, GFSK, Modulation & Demodulation | 01 | 6100.00 |
| | 14. | Training System for study of Wireless Digital communication system | 01 | 75000.00 |

| | | | | |
|-------------------------------------|----|--|----|----------|
| AMC and ESD Lab requirements | 1. | PIC controller Kit PIC16F877A MCU clocked at 4 MHz, Expansion connectors for plug in modules and prototyping area, On platform programmer, USB interface to PC for programming, Every pin is marked in order to make work easier, Master Reset/ Restart Key for hardware reset, Input/ output & test points provided on platform, On platform breadboard for connecting external components | 10 | 10000.00 |
| | 2. | Interfacing Applications Board, Stepper Control Board, Display & Switch Module, GSM, Application Module | 10 | 20000.00 |
| | 3. | Keil kits or ESA MCB 51-2 Evaluation Board | 10 | 10000.00 |
| | 4. | ARM9 Development platform Integrated with S3C2440 (16 KB each of instruction and data cache), 4 KB RAM, NAND flash boot loader, power management functions, an interrupt controller | 8 | 34000.00 |

| | | | | |
|--|----|--|----|----------|
| | | and an external memory controller | | |
| | 5. | Application for ARM Microcontroller, Stepper Control Board, Display & Switch Module, GSM | 10 | 14000.00 |

Start Date and Time of uploading of e-tender : 03.12.2019 at 9.00 AM
End Date and Time of uploading of e-tender : 16.12.2019 at 11.00 AM
Date and Time of opening of Online Bid (Technical Bid) : 16.12.2019 at 11.30 AM
Detailed Terms and Conditions are available in e-tender document.

NOTE:-

Note 1:-The tender will be on item-wise basis for each scheme.

Note 2:-The sealed envelope of EMD should bear the Advertisement No., Scheme No./item and should be clearly superscribed as "EMD the purchase of equipments in the Labs of Electronics and Communication Engineering Department due on 16.12.2019 at 11.00 A.M.

***NOTE 3.** The bidder may note that no column of the BOQ shall be left blank. In case of items for which no bid is being made by the bidder, numeric value 0 (zero) shall be invariably mentioned for the validation of the BOQ.*

The bid document can be downloaded from the website of Chandigarh Administration <http://www.etenders.chd.nic.in> . However for general information, guidance and reference, the tenderer can approach to office of Principal, Chd. College of Engg. & Tech. (Degree Wing), Sector-26, Chandigarh (Phone No. 0172-2750943)

Principal

INSTRUCTIONS TO BIDDERS REGARDING E-TENDERING PROCESS

- a. Tenders without Digital Signatures will not be accepted by the electronic tendering system. No tender will be accepted in physical form and in case it has been submitted in physical it shall be rejected.
- b. Before submission of on line bids, bidders must ensure that scanned copies of all the necessary documents have been uploaded with the bid.
- c. Principal, Chandigarh College of Engg. & Technology (Degree Wing), Chandigarh will not be responsible for any delay in online submission of bids due to any reason whatsoever.
- d. Bidders should get ready with the scanned copies of EMD as specified in the tender documents. The original instruments in respect of EMD in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft in favour of the Principal, Chd. College of Engg. & Tech. (Degree Wing), Sector-26, Chandigarh should reach on or before **16.12.2019 at 11.00 AM.**
- e. The details of EMD specified in the tender document should be same as submitted online (scanned copies). Otherwise tender will be rejected summarily.

TERMS AND CONDITIONS OF THE TENDER

CCET STANDS FOR CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY,

(DEGREE WING), CHANDIGARH.

1. The last date and time for receipt of tenders is **16.12.2019** at **11.00 AM** through e-tendering only.
2. **The Tender will be two Bid Systems i.e. Technical Bid and Financial Bid on Item-wise basis for each scheme.**
 - i) **The Technical Bid will contain technical specifications; and**
 - ii) **The Financial Bid will contain rate per equipment/Item but will be considered on item-wise basis for each scheme.**
 - a) **If rates are quoted along with Technical Bid, it will be rejected straightway.**
 - b) **The Financial Bid(s) of only those firms will be opened who are technically qualified and the date and time for opening of financial bid(s) will be conveyed after opening of the Technical Bid.**
3. After successful completion of Technical qualification, each successful bidder should provide technical demonstration of all equipments. Financial bid should be considered for those bidders which will be recommended by Departmental Purchase Committee after demonstration.
4. Each tender must be accompanied with Earnest Money Deposit for each item as mentioned above in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft in favour of the Principal, Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh, valid for three months payable at Chandigarh on any Scheduled Bank.
5. The sealed envelope of EMD should bear the Advertisement No., Scheme No./item and should be clearly **super scribed as “EMD for the purchase of equipments in the Labs of Electronics and Communication Engineering Department,** due on **16.12.2019** at **11.00 a.m.** should be separately submitted in the office of Principal, Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh on or before **16.12.2019 upto 11.00 a.m.**
6. Any attempt direct or indirect, to cast influence, negotiation on the part of the tenderer with the officials/authority to whom he will submit the tender or the tender accepting official/authority before the finalisation of tenders will render the tenderer liable for exclusion from consideration.
7. Tender(s) received without earnest money as specified at Sr. No. 3 above shall be rejected straightway.
8. Earnest Money deposited with the Chandigarh College of Engg. & Technology, (Degree Wing), Chandigarh in connection with any other tender will not be considered against this tender.
9. The Public Sector undertaking of the Central / State Govt. are exempted from furnishing Earnest Money Deposit.
10. This tender is not transferable.
11. The tender i.e. Pre-qualifying-cum-Technical Bid shall be opened on **16.12.2019** at **11.30 a.m.** at Chandigarh College of Engineering & Technology (Degree Wing), Chandigarh.
12. Conditional offer shall be rejected.
13. The requirements of the Institute in terms of category of equipments/items/instruments, detailed specifications and quantity are given in **SCHEDULE OF TECHNICAL SPECIFICATION/ REQUIREMENT (AS PER ANNEXURE-I)** for Electronics & Communication Engineering Department. Principal, CCET reserves the right to change the quantity for any/all items without assigning any reason.
14. The tenders not accompanied by Earnest Money or incomplete in any respect will be rejected outrightly.
15. **No advance payment will be made.** Payment will be made after receipt of equipments, its inspection, installation and testing to the satisfaction of the Technical and Technical Purchase Committees.
16. The quoted prices must be mentioned showing GST separately.
17. The Principal, CCET reserves all rights to accept or reject any tender without assigning any reason.
18. **Rates should be quoted F.O.R. Chandigarh College of Engg. & Technology, Sector-26, (Degree Wing) Chandigarh including packaging, forwarding, postage and freight etc.**
19. The Principal, CCET reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications.

20. In case of violation of any term and condition as mentioned, Earnest Money Deposit of the tenderer shall be forfeited in full or part at the entire discretion of the Principal, Chandigarh College of Engg. & Technology, Chandigarh.
21. Training for the operation of equipments, if any, shall be provided by the firm free of cost to the faculty / other staff of the college.
22. The defective equipments/items/ from the Store of Chandigarh College of Engg. & Technology, Chandigarh will be lifted at the entire cost & risk of the firm. Chandigarh College of Engg. & Technology, Chandigarh will not bear any expenses on this account and the instruments lying in the CCET premises will be at tenderer's risk and cost.
23. The equipments/items will be maintained free of charges during the warranty period.
24. **PERFORMANCE SECURITY:-** Performance security @10% of the value of supply order covering the warranty period shall be furnished by the firm in the shape of Bank Guarantee duly pledged in favour of Principal, Chandigarh College of Engg. & Technology, Chandigarh before / along with supply of equipments. **The performance security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.**
25. The CCET would return the Earnest Money Deposit to the successful tendering firm on the submission of the Bank Guarantee. EMD of unsuccessful tenderer will also be returned.
26. Rates quoted in Indian Currency only shall be accepted irrespective of foreign make of equipments/items which should include all kinds of charges, taxes, duties etc. Financial bids showing the rates in other currency shall not be considered and deemed to be rejected automatically.
27. **PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN:-**
The tendering firms should keep their offers valid for acceptance up to **31-03-2020**. If the firms are unable to keep their offers open for the above said period, they should specifically state the period for which their offers would remain open but such a provision may result in the rejection of their offers.
28. Any conditional tender or any deviation from the terms and conditions of the tender document shall render the tender liable to rejection.
29. The equipments/items will be installed free of charge by the firm / agent at the designated premises. The cost of material required for installation shall be borne by firm. Material for experimental set up such as Table, Stand etc. should be provided by the firm at its own cost. CCET will not provide any material required for installation. Foundations of equipments wherever necessary shall be provided/constructed by the supplier free of cost.
30. **DELIVERY PERIOD:-** The Delivery period of the equipment/items shall be strictly 2-3 weeks from the date of supply order. The delivery period will be extended at the sole discretion of the Principal, CCET in special circumstances on written request from the firm. Penalty @ 1.00% per week of the cost / price of equipment/items for actual period of delay after the due date of supply of equipments/items will be charged.
31. Installation and demonstration will be done by the supplier to the satisfaction of Head of Department concerned.
32. Warranty period, where applicable, should be clearly specified but not less than 1-year in any case.
33. After the receipt of equipments/items, any fault or deficiency in the equipments/items noticed should be rectified by the supplier within two weeks after intimation free of cost.
34. Instructional materials and **e-manuals** will be uploaded by the supplier free of cost.
35. The technical brochure for the equipments shall be uploaded along with Pre-qualifying – cum – Technical Bid.
36. **INSPECTION OF MACHINERY/EQUIPMENT/ITEMS/INSTRUMENTS**
The equipments/items will be inspected only at CCET premises. However, the inspection of equipments/items at factory site or any other place, if any, shall be carried out at the risk and cost of the Tenderer / Bidder. The CCET will not bear any expenses on this account.
37. In the cases of failure or default in the performance or responsibilities or breach of terms and conditions of DNIT or MOU or any agreement of contract between the company / firm / agency / person or any legal entity and CCET, as the case may be, the said company / firm / agency / person or any legal entity shall be black listed in the light of notification issued by Chandigarh Administration vide their letter No. 1927-F&PO(3)-2009/1170 dated 27-02-2009 or any other instructions issued from time to time.

38. **The tenderer has to submit latest affidavit (as per Annexure II) regarding non black listing of individual / firm/ company, as the case may be.**

39. **JURISDICTION**

The courts of Chandigarh alone will have the jurisdiction to try any matter, dispute or reference between the parties arising out of this purchase. It is specifically agreed that no Court outside and other than Chandigarh Court shall have jurisdiction in the matter.

40. **Force majeure:-** Any failure or omission or commission to carry out provision of this tender by tenderer shall not give rise to any claim by one party against the other if such failure or omission or commission arise from an Act of God; which shall include all Acts of natural calamities such as fire, flood, earthquake, hurricane, or any pestilence or from civil strikes, compliance with any status and / or regulation of the Government, lock outs and strikes, riots, curfew, embargoes or from any political or other reason beyond the parties control including war (whether declared or not), civil war or stage of insurrection, provided that notice of the occurrence of any event by either party to the other shall be given within two week from the date of occurrence of such any event which could be attributed to force majeure conditions.

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Annexure-I

Schedule of Technical Specification/Requirement

(SPECIFICATIONS AND ALLIED TECHNICAL DETAILS OF EQUIPMENTS/ITEMS AND SCHEDULE OF REQUIREMENT)

Electronics and Communication Engineering Deptt.

(SCHEME NO.._____)

Note 1:- The tender will be on item-wise basis for each Scheme.

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ANNEXURE-II

I/We (Name)_____

Contractor / partner / sole proprietor (strike out word which is not applicable) or (Firm)/Company
_____ do hereby solemnly affirm and declare that the individual
firm / companies are not black-listed by the Union or State Government or any autonomous body.

DEPONENT

Address _____

I/We do hereby solemnly affirm and declare that the above declaration is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated:

DEPONENT

**CHECK LIST DULY FILLED IN TO BE ATTACHED WITH PRE-QUALIFYING-CUM-TECHNICAL
BID FOR THE EQUIPMENT FOR ELECTRONICS & COMMUNICATION ENGINEERING
DEPARTMENT**

- | | | |
|----|--|--------|
| 1. | Whether EMD in the shape of FDR or Deposit at Call or Term Deposit Receipt or Demand Draft valid for three months, for the asked-for amount attached? | Yes/No |
| 2. | Whether tender document duly signed by authorized Signatory attached? | Yes/No |
| 3. | Whether affidavit duly attested by Notary / Executive Magistrate regarding non-black listing of firm Attached? | Yes/No |
| 4. | Whether a list of institutions / organizations where your firm has supplied this item / equipment / instrument recently, is attached. | Yes/No |
| 5. | If you are an authorized agent / dealer / distributor of the firm / company / manufacturer and whether authority letter as issued by them in your favour attached? | Yes/No |
| 6. | Whether Technical broucher of the equipments attached? | Yes/No |

Signature of authorized signatory
with seal of the firm