

Punjab Engineering College Chandigarh  
Sector 12, Chandigarh 160012

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**E-tender document**

**For purchase of**

**XYZ along with 5th axis Micro Module**

at

**Mechanical Engineering Dept.**

## PUNJAB ENGINEERING COLLEGE, CHANDIGARH

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**SECTION I: INVITATION FOR E-TENDER**  
**FOR PURCHASE OF XYZ ALONG WITH 5<sup>TH</sup> AXIS MICRO MODULE**

1. The Punjab Engineering College, Chandigarh invites e-bids from eligible bidders for supply of the **XYZ ALONG WITH 5<sup>TH</sup> AXIS MICRO MODULE** AS per Table-1
2. Interested eligible Bidders may obtain further information from Mechanical Engineering Department, Punjab Engineering College, Sector 12, Chandigarh 160012, India.
3. The bidding document can be downloadable from institute website <http://www.pec.ac.in>.
4. All bids must be accompanied by an EMD as specified in the bid document and must be delivered to the office address mentioned below by the date and time indicated below.
5. Bids will be opened in the presence of Bidders' representatives who choose to attend on the specified date and time.

**TABLE – 1**

S. No.	Name of the Equipment	EMD
1	<b>XYZ ALONG WITH 5<sup>TH</sup> AXIS MICRO MODULE</b>	6,000

**TABLE-2 Time Schedule**

I	Date of publication	31.07.2018
I	Downloading of e-tender document	31.07.2018 at 5:00 p.m. To 16.08.2018 at 3:00 p.m.
III	Date of submission of e-tender	31.07.2018 at 5:00 p.m. To 16.08.2018 at 3:00 p.m.
IV	Physical submission of EMD and other necessary pre-qualification documents (scanned copies)	01.08.2018 at 9:00 a.m. To 16.08.2018 at 3:30 p.m.
V	Opening of Technical Bid (online)	16.08.2018 at 3:30 p.m.
VI	Opening of Financial Bid of only eligible technically qualified bidder as determined by the Committee.	To be intimated later
VII	Place of opening of bids	Dept. of Mechanical Engineering, Punjab Engineering College, Sector 12, Chandigarh 160012
VIII	Address for communication	Head, Mechanical Engineering Department Punjab Engineering College, Sector 12, Chandigarh 160012

**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 ( <a href="http://etenders.chd.nic.in">http://etenders.chd.nic.in</a> ) or on the Punjab Engineering College institute website ( <a href="http://www.pec.ac.in">www.pec.ac.in</a> ).
III.	The bidder has to submit the original documents in physical form such as EMD, & affidavit of non being black listed on the date fixed for the same as above. 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.

**Director,**  
Punjab Engineering College, Sector-12,  
Chandigarh

**PUNJAB ENGINEERING COLLEGE, CHANDIGARH**  
**SECTION II**  
**TERMS AND CONDITIONS OF CONTRACT**

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.
2. The tenderer should indicate specifically the Basic Price inclusive of Taxes/Excise duty, other duties (if any) and levies chargeable. No additional information will be entertained after due date.
3. The tenderers should give their quote in Indian currency only keeping in mind that our institute (i.e. Punjab Engineering College) is exempted from the payment of custom and excise duty. Only custom & excise duty exemption certificate will be issued.
4. The Bidders shall have to submit their Bids online in Electronic Format with Digital Signatures. For participation in the e-tendering process, the Bidders need to register themselves on <http://etenders.chd.nic.in/nicgep>. On registration, they will be provided with a user ID and a system generated password enabling them to submit their Bids online using Digital System Certificates (DSC).
5. 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 the physical form only, it shall be rejected out rightly.
6. Bids will be opened online as per time schedule mentioned in e-tender notice (**SECTION I Table 2**).
7. Before submission of online bids, bidders must ensure that self-attested scanned copies of all the necessary documents as mentioned in SECTION III “Technical Bid” and SECTION IV “Financial Bid” of this tender document have been uploaded with the bid, failing which their bids may be out-rightly rejected and will not be considered.
8. It is mandatory for all the bidders to upload all the documents mentioned under tender document.
9. Bidders are required to upload scanned copy of EMD as specified in the tender documents and send original along with original affidavit duly attested as per Annexure 2.2 & other hard copies of desired documents to be sent in technical bid envelope.
10. The details of EMD and tender cost specified in the tender documents should be the same as submitted online (scanned copies) otherwise tender will be rejected.
11. The conditional bids shall not be considered and may be rejected out rightly in very first instance.
12. The financial bids through e-tendering of only those bidders shall be opened who will qualify in the technical bid criteria.
13. The bidder shall submit the hard copy of e-tender along with forwarding letter (Annexure - 2.1 of SECTION II) duly signed by the authorized signatory.
14. Downloading and submission of Tender will be done by E-tendering process through the online website of Chandigarh Administration <http://etenders.chd.nic.in/nicgep>.
15. **EARNEST MONEY DEPOSIT (EMD):** The Tender should be accompanied with Earnest Money as mentioned in the Table-1 of SECTION I to be paid in the shape of A/C payee demand draft/banker cheque/FDR/bank guarantee from any Commercial Bank in favor of Director, Punjab Engineering College Chandigarh which shall be valid for 45 days beyond the final bid validity period. No firm/tenderer will be exempted from submission of EMD except MSME. The EMD deposited by the tenderer in respect of another similar tender will not be considered against this tender. Apart from submission of EMD in physical form, scanned copy of EMD duly attested and countersigned by the firms shall also be uploaded. The EMD of unsuccessful tenders will be refunded immediately after finalization/allotment of tender. No

interest will be payable on the EMD. The EMD will be forfeited, if the tenderer withdraws his/her bid after submission of the Tender. Expression of Interest without the EMD shall be rejected.

16. TECHNICAL BID: The tenderer should submit scanned copy of documentary proof of his/her eligibility as mentioned in SECTION III“Technical Bid” of this tender document.
17. Financial Bid will be opened of only those bidders who qualify in the technical bid criteria through e-tendering process.
18. FINANCIAL BID: The financial bid (SECTION IV) shall be quoted by the bidder through e-tendering. The financial bid should contain rates only. The rates should be mentioned both in figures as well as in words. Any change in rate quoted by the tenderer afterwards will entail forfeiture of earnest money deposit, cancellation of tender and blacklisting of the firm.
19. The bid should not contain corrections or over writing.
20. Tender received through e-tendering shall be opened online by the committee duly constituted by the authorities of Punjab Engineering College, as per schedule given in Tender Notice in the office of the Head, Mechanical Engineering Department, Punjab Engineering College Chandigarh. In the event of date of opening of Tender being declared a holiday, the due date of opening of the Tender will be the next working day at the same hours.
21. Tender is non-transferable.
22. An affidavit as per specimen enclosed as Annexure – 2.2 of SECTION II should accompany the tender. The tenderer who has been black-listed or his/her tenders have ever been cancelled or any legal proceedings have ever been initiated/pending or any penalty has ever been levied on account of delay or non-completion of supply order by any State/UT/Central Government, his/her tender will be out rightly rejected. A scanned copy of affidavit shall be uploaded online and in physical form along with EMD.
23. The Director, Punjab Engineering College Chandigarh reserves the right to accept or reject any or all tenders without assigning any reason.

ANNEXTURE – 2.1

From

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**Subject: Submission of Tender forPurchase ofXYZ along with 5<sup>th</sup> axis Micro Module**

Dear Sir,

With reference to your above-mentioned notice inviting tenders, I/We hereby offer to provide **XYZ along with 5<sup>th</sup> axis Micro Module**for Punjab Engineering College, Chandigarh.

I/We shall supply the Equipment's truly and faithfully as set forth in the terms and conditions of the tender document. I/We shall be responsible for all complaints as regards to the quality of product and in case of any dispute; the decision of the Director, Punjab Engineering College, Chandigarh shall be final and binding on me/us.

A FDR No. \_\_\_\_\_ Dated \_\_\_\_\_ drawn on \_\_\_\_\_ intended for the prescribed amount of Rs. \_\_\_\_\_ (Rupees

\_\_\_\_\_ Only) in favor of Director, Punjab

Engineering College, Chandigarh, payable at Chandigarh is enclosed as earnest money as desired. I/WE shall have no claim to the refund of earnest money / performance security prescribed against this tender in the event of my/our non-compliance of the contract, provided such contract is implemented within the period of validity of my/our tender.

I/We further understand that my/our earnest money shall stand forfeited in case of unsatisfactory supply of equipment's/service/violation of any term, or if I/We withdraw my/our tender at any stage during the period of validity. My/Our tender shall remain valid for a period of 120 days from the last date prescribed for submission of the tender against the above-mentioned notice. My/Our tender along with terms and conditions with relevant columns and annexure duly filled in under my/our attestation and with each page of the tender paper including the enclosed terms and conditions signed by me/us (in the capacity of sole owner/general or special attorney attached) is submitted for your favorable consideration.

I/We have read the terms and conditions carefully and have signed the same in token of our absolute and unqualified acceptance.

Thanking you,

Place

Yours faithfully,

Signatures  
Date with stamp  
& Full Address

**ANNEXURE - 2.2**

**To be furnished on non-judicial stamp paper duly attested by the 1st Class Magistrate or Notary Public**

**AFFIDAVIT**

I/We/M/s \_\_\_\_\_ are registered Company/Ltd Company etc. as per Registration Certificate No. \_\_\_\_\_ issued by \_\_\_\_\_ having registered office at \_\_\_\_\_ and manufacturing/supply base at \_\_\_\_\_ do hereby declare and solemnly affirm that I/We have not been Black-listed, nor mine/our Tenders have ever been cancelled by any State/UT/Central Government or any partner or shareholder either directly or indirectly connected with or has any subsisting interest in the business of my/our firm nor any legal proceedings have ever been initiated/pending or any penalty has ever been levied due to delay of non-completion of work/service/supply order by any State/UT/Central Government or by any authority.

**Place:** \_\_\_\_\_

**DEPONENT**

**Dated :** \_\_\_\_\_

**Verification**

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

**Place :** \_\_\_\_\_

**DEPONENT**

**Dated :** \_\_\_\_\_



# PUNJAB ENGINEERING COLLEGE, CHANDIGARH

## SECTION III Technical Bid

### SCHEDULE OF REQUIREMENTS

Offer will be accepted/uploaded in two covers under Details containing:

**FIRST COVER TITLED** as “Technical Bid” should contain the Self-attested scanned copies of following with consecutive Sr. No. :-

1. Name of the firm/organization & address Contact person name and telephone/ Mob. No./Fax. No./ on letter pad of the company/firm.
2. Earnest money deposit as mentioned in Point 15 of SECTION II of this tender document.
3. Bidder should have a turnover of at least Rs. 6 Lakhs in each of the last three financial years i.e. 2014-15, 2015-16 and 2016-17. Copies of audited financial statements shall be attached.
4. Self-attested copies of PAN/TAN Card.
5. Certificate of acceptance of terms & condition mentioned in Section II and Section VI of Tender Document.
6. Registration Certificate of the company issued by the competent authority
7. The bidder should provide service support center at PEC Chandigarh.
8. Covering letter (**Annexure 2.1 of SECTION II**)
9. Affidavit of not being Black Listed (**Affidavit as per Annexure 2.2 of SECTION II**)

**NOTE: All the above mentioned documents should be duly in order and are essential to qualify at Technical Bid Stage.**

**Table 3: Technical Specifications and details**

<b>Sr. No.</b>	<b>Element</b>	<b>Description</b>
1	Effective working area of table	300±10 *400±10 *(150±10)mm with ±5% deviation
2	5 <sup>th</sup> axis work area	140±5 mm
3	High precision ball screw	1605 or better
4	The XYZ rail material	Hard chrome shaft or better
5	XY rail diameter	20±2 mm or better
6	Z rail diameter	16±2 mm or better
7	XYZ axis Torque	57*78 250 OZ/IN (2.2N/cm)
8	4th and 5th axis Torque	57*56
9	4th and 5th axis transmission ratio	01:06
10	Repeat positioning	0.01mm or better
11	Working precision	0.02mm or better
12	Spindle power	800 W water-cooled frequency spindle
13	Spindle converter	1500 W
14	Working tool speed	0-4000 mm/min with high precision
15	Drive motor	57*78 stepper motors (two-phase 4 wire)
16	Table movements	Controlled with stepper motor (78*3.5A) or better
17	Collet size	3/3.175/6mm and flexible to hold other micro tools
18	High efficiency water pump	55W, 46.6L /min
19	4 Axis parameter setting	26.666/1000.2/300/5/5
20	Computer connection	25 pin parallel port
21	Machining table support	Computer system window XP
22	System integrated with switching power supply	24V 350W
23	Software for controlling	MACH3 3.04 or latest
24	XY+A+B axis table maximum load	15 kg or more
25	Load carrying capacity of XY table	50 kg or more

**PUNJAB ENGINEERING COLLEGE, CHANDIGARH**

**SECTION IV**

**FINANCIAL BID**

**SECOND COVER TITLED AS “FINANCIAL BID” CONSIST OF**

Financial (Price) Bid for Purchase of **XYZ along with 5<sup>th</sup> axis Micro Module** to be delivered by the bidder in the Mechanical Engineering Department, Punjab Engineering College, Sector 12, is to be submitted online in excel sheet provided.

**Notes:**

1. Rate should be quoted in Indian Rupees only inclusive of Taxes/Levies as per Indian law except custom duty/excise duty.
2. The Institute is registered with the Deptt. of Scientific & Industrial Research(DSIR) for purpose of availing custom duty exemption in terms of Govt. Notification no. 51/96-Customs dated 23.07.1996 and Central Excise Duty Exemption in terms of Govt. notification no. 10/97- Central Excise dated 01-03-1997 as amended from time to time.

SECTION V

GENERAL TERMS AND CONDITIONS

**1. Clarification of Bidding Documents**

A prospective Bidder requiring any clarification of the bidding documents may notify the PEC in writing or by telex or cable or fax at the PEC's mailing address indicated in the Invitation for Bids. The PEC will respond in writing to any request for clarification of the bidding documents which it receives no later than 15 days prior to the deadline for submission of bids prescribed by the PEC.

**2. Amendment of Bidding Documents**

At any time prior to the deadline for submission of bids, the PEC may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.

In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the PEC, at its discretion, may extend the deadline for the submission of bids.

**3. Language of Bid**

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the PEC, shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the translation shall govern.

**4. Period of Validity of Bids**

Bids shall remain valid for 120 days after the deadline for submission of bids prescribed by the PEC. A bid valid for a shorter period shall be rejected by the PEC as non-responsive.

**5. Opening of Bids by the PEC**

The PEC will open all bids, in the presence of Bidders' representatives who choose to attend, at .....and in the following location:

Dept. of Mechanical Engineering  
Punjab Engineering College,  
Sector 12 Chandigarh 160012

The Bidders' representatives who are present shall sign a register evidencing their attendance. In the event of date of opening of Tender being declared a holiday, the due date of opening of the Tender will be the next working day at the same hours and venue..

**6. Warranty**

The entire system shall be in warranty (from OEM) for a period of one year from complete commissioning & handing over the system.

**7. Payment**

- Payment for Goods and Services shall be made in Indian Rupees only as follows:
  1. On Final Acceptance
  2. 100 percent of the Contract Price shall be paid on the Successful Installation, Training and Satisfactory performance
- The Supplier's request(s) for payment shall be made to the PEC in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted and upon fulfillment of other obligations stipulated in the contract.
- Payments shall be made promptly by the PEC

- Payment shall be made in Indian Rupees only.
- No advance payment will be made. Payment will be released after satisfactory receipt of goods/ material, demonstration/training and installation

## 8. Documents comprising the Bids

The Bids prepared by the Tenderers shall comprise of following components:

- Bid to be furnished as per the format for technical specifications.
- Technical literature for each product/service, covering full technical specifications.
- Bid prices should be quoted item wise as per format provided in excel sheet only duly signed and complete as per the format.
- Maximum educational discount as could be offered should be mentioned.

## 10. Others Terms and Conditions

- An EMD/ bid security of equipment should be submitted in form A/C payee demand draft/banker cheque/FDR/bank guarantee from any Commercial Bank valid for 45 days from any commercial bank in favour of Director Punjab Engineering College, Chandigarh. Tender without earnest money shall be considered unresponsive and rejected.
- Price quoted should be inclusive of Taxes/Levies as per Indian law except custom duty/excise duty.
- The Institute is registered with the Deptt. Of Scientific & Industrial Research (DSIR) for purpose of availing custom duty exemption in terms of Govt. Notification no. 51/96-customs dated 23.07.1996 and Central Excise Duty Exemption in terms of Govt. notification no. 10/97- Central Excise dated 01-03-1997 as amended from time to time.
- The delivery period for supply of the material is 60 days from the date of supply order. The penalty will be charged @ 0.5% of cost of equipment per week after the expiry of delivery period, mentioned in the purchase order if delivery date is extended by the PEC.
- Detailed Catalogue should be sent along with supply of equipment.
- All legal disputes will be subject to Chandigarh Jurisdiction and will be interpreted under Indian Laws.
- The Director Punjab Engineering College reserves to himself the right to reject any or all tenders without assigning any reasons.
- The firm who has been blacklisted by Centre/State Govt/UT/Boards/Corporations/any government authority/Punjab Engineering College are not eligible for the Tender.
- **All the rates will be FOR, Punjab Engineering College, Chandigarh.**
- The institute being a premier Education and Research Institute funded by Chandigarh Administration, discounts as applicable to Research Institute/Educational Institutes may be provided in the Tender.
- The bidders shall not be allowed to change, alter or modify the bids after expiry of the deadlines for the receipts of bids.
- The firm is entirely responsible for any damage or losses occurred to the material in the transit. The firm will lodge all complaints regarding the damage occurred in the transit and shall bear all expenses.
- In a tender, either Indian agent on behalf of the Principal/(Original Equipment Manufacturer) OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same tender for the same item/ product.
- Bids received after the due date will not be considered.
- The tenderer is required to bring their own testing and measurement instruments which are required for the installation, commissioning and testing. These can be taken back after completion of the process.
- In case, any free gift scheme / cash scheme is launched by the company same will be offered by the vender to Punjab Engineering College, Chandigarh free of cost.

- Generally the bid offer will be received /opened on the day as specified in the schedule. If the scheduled date is declared as a holiday, then the tender shall be received / opened on the next working day at the same time.
- The agency shall arrange to provide demonstration/Training to the concerned lab staff regarding operation / maintenance of equipment free of cost.
- A technical compliance chart of the quoted product mentioning technical specifications of quoted product verses asked specifications is compulsory. Attach the compliance chart with technical bid.
- Tender validity should be 120 days from the opening of tender.

All the terms and Conditions of this tender document are acceptable to me /us.

Signature of Bidder