

# Supply & installation of CNC machine for PCB design and antenna fabrication along with soldering unit and toroid winding Unit

NIT SIKKIM

Tender No.: NITS/common/Lab Eq/CNC/2014-15

Tender date: 16.6.2014

Pre-bid Meeting: 24.6.2014

Last Date of submission: 9.7.2014

National Institute of Technology Sikkim Ravangla Campus, Barfung Block,  
South Sikkim 737139

National Institute of Technology (NIT) Sikkim, Ravangla, South Sikkim invites tender for supply, installation and commissioning, testing and demonstration of CNC machine for PCB design and antenna fabrication along with soldering unit and toroid unit, as per specifications given in the Schedule attached to the Tender form annexed hereto. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website ([www.nitsikkim.ac.in](http://www.nitsikkim.ac.in)) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Noncompliance with specifications/ instructions in this document may disqualify the bidders from the tender process.

The Institute reserves the right to accept or reject any quotations or to select the item (in single or multiple units) or to reject the bidding process or any quotation wholly or partly without assigning any reason.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

## Terms and conditions:

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked “**Technical bid**” and “**Financial bid**” as applicable **for each item** and are to be put in separate envelopes, which should also be sealed. The EMD of Rs **40000** should be enclosed in the financial bid in the form of A/C payee DD in favors of “**Director , NIT Sikkim**”.
2. The financial bid should include the cost of main equipment/item and its accessories. If there is any separate cost for installation etc. that should be quoted separately.
3. The quotations shall be submitted in a sealed envelope duly marked “Quotation against enquiry no. \_\_\_\_\_ dated \_\_\_\_\_ due on \_\_\_\_\_” on the corner of the envelope.

4. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials and past performance. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words. If there are overwriting, they should be duly initialed, failing which the bids are liable to be rejected. No alternate price will be entertained in the quotation.

**The technical and financial bids should be addressed to**

Officer on Special Duty,  
National Institute of Technology Sikkim  
Ravangla Campus, Barfung Block,  
South Sikkim 737139.  
Email: osd@nitsikkim.ac.in

5. All tender documents should have to be sent through courier, speed post or registered post only or may be dropped in the tender box at NIT Sikkim. All tender documents received after this specified date and time should not be considered.

6. Quotation received after the closing date/time will not be considered.

7. While sending rates, the firm shall give an undertaking to the effect that *“the terms/conditions mentioned in the inquiry letter/Tender Notice against which the rates are being given are acceptable to the firm.”* In case the firms do not give this undertaking, their rates will not be considered.

8. If a supplier/firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect must be attached.

9. The quantity shown against the item is tentative and may vary as per dynamic requirement of the Institute.

10. In the event of any dispute or difference(s) between the vendee Institute (NIT Sikkim) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, NIT Sikkim”, Sikkim who may decide the matter himself.

11. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.

12. If the successful bidder fails to supply the kits/Product within stipulated time, then the EMD may be forfeited.

13. Successful bidder shall have to deposit PBG of 10% after the P.O. is endorsed to the suppliers.

The Technical bid will be opened on                     . The bidders or their authorized representative may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.

Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after the committee has evaluated technical bids. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.

**Clarifications:**

In case the bidder requires any clarification regarding the tender documents, they are requested to contact Mr. Surajit Kundu (e-mail: [surajit.kundu@nitsikkim.ac.in](mailto:surajit.kundu@nitsikkim.ac.in), mob: +91-9832271039), Assistant Professor, NIT Sikkim on or before 30.6.2014.

**Pre – Qualification Criteria:**

- a. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
- b. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. In case of proprietary items, suitable declaration documents from the manufacturer to be submitted.

**Prices:**

The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (NIT Sikkim, Ravangla, Sikkim). **Prices should be quoted separately inclusive and exclusive of Customs/Excise Duty.** The rates shall be firm and final. Nothing extra shall be paid on any account.

**Validity:**

The bid should be valid for acceptance for a period of 120 Days. The Bidders should be ready to extend the validity, if required.

**Delivery:**

The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within 12 weeks of the issue of purchase order unless otherwise prescribed.

**Liquidated Damage:**

If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

**Warranty**

Bidders must give the comprehensive onsite warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.”*

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at the their own cost.

P.T.O

Sl No	QTY	ITEM: PCB prototype unit
1	1	Mention SPECIFICATIONS against these parameters (One may extend their specifications beyond these parameters)
		<ol style="list-style-type: none"> <li>1. Machine manufacturer (Make)</li> <li>2. Onsite warranty period</li> <li>3. Machine dimension and weight</li> <li>4. Accuracy of <ol style="list-style-type: none"> <li>a. Processing</li> <li>b. Positioning</li> <li>c. Resetting</li> <li>d. Drilling</li> </ol> </li> <li>5. Machine structure and body type</li> <li>6. Maximum <ol style="list-style-type: none"> <li>a. Working speed</li> <li>b. Positioning speed</li> <li>c. Speed of spindle</li> </ol> </li> <li>7. Drill size offered by the machine</li> <li>8. Collate size offered by the machine</li> <li>9. Power supply</li> <li>10. Type of the driver</li> <li>11. Power consumption requirement</li> <li>12. Operating system</li> <li>13. Name of the software if it needed at all</li> <li>14. Compatibility with external workstation such as PC/Laptop</li> <li>15. Substrate compatibility mentioning maximum and minimum substrate thickness.</li> </ol>
2.	1	ITEM: Soldering Unit
		Mention SPECIFICATIONS against these parameters (One may extend their specifications beyond these parameters) <ol style="list-style-type: none"> <li>1. Name of the manufacturer (Make)</li> <li>2. Onsite warranty period</li> <li>3. Dimension and weight</li> <li>4. Speed, i.e. contact points covered per minute.</li> <li>5. Effective maximum soldering area covered</li> <li>6. Power requirement</li> <li>7. Compatibility with .gbr files, software model and external workstation such as PC/ Laptop.</li> <li>8. Cool down option and time required to cool down.</li> </ol>
3.	1	ITEM: Toroid winding Unit
		Mention SPECIFICATIONS against these parameters (One may extend their specifications beyond these parameters)

		<ol style="list-style-type: none"><li>1. Name of the manufacturer (Make)</li><li>2. Onsite warranty period</li><li>3. Winding Gauges</li><li>4. Motor</li><li>5. Power requirement</li><li>6. Controller</li><li>7. Pitch control</li><li>8. Fill counter</li><li>9. Wind counter</li><li>10. Speed control of main motor</li><li>11. Core rotation</li><li>12. Dereeler</li><li>13. Inding speed</li><li>14. Coil dimension after winding</li></ol>
--	--	--