



**Tender For**  
**“Supply, Installation,**  
**Testing &**  
**Commissioning of CNC**  
**High Precision Micro**  
**machining center”**

By

Central Manufacturing Technology Institute

Tumakuru Road, Bangalore-560022

सेन्ट्रल मैन्युफेक्चरिंग टेक्नोलॉजि इंस्टिट्यूट 

CENTRAL MANUFACTURING  
TECHNOLOGY INSTITUTE

<b>SL.NO.</b>	<b>Contents</b>	<b>Page No.</b>
	INVITATION FOR BIDS	3-4
1.	INSTRUCTIONS TO BIDDER	5-17
2.	GENERAL CONDITION OF CONTRACT (GCC)	18-32
3.	SCHEDULE OF REQUIREMENTS	33
	<b>PART-A- ANNEXURE-I</b>	
4.	TECHNICAL SPECIFICATIONS	34-49
	<b>ANNEXURE-II</b>	
5.	QUALIFYING CRITERIA	50-51
	<b>ANNEXURE-III</b>	
6.	ACCEPTANCE CRITERIA	52-54
7.	CONTRACT FORM	55-56
8.	OTHER STANDARD FORM	57-72

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
**CMTI - CENTRAL MANUFACTURING TECHNOLOGY INSTITUTE**

Tumakuru Road, Bengaluru - 560022, Karnataka, INDIA

**INVITATION FOR BIDS**

Tender No. CMTI/PUR/09/2023-24/RS/MNTM

Date: 02.03.2024

1. CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India, invites sealed Bids from Wholly-Owned Subsidiary of OEM in India or OEM's own Branch/Sales Office in India, for purchase of items listed below.

Sl. No.	Tender No.	Description of items	Qty	Two Bid	Bid Security (EMD) (Rs.)
1	CMTI/PUR/09/2023-24/RS/MNTM	Supply, Installation, Testing & Commissioning of <b>CNC High Precision Micro machining center</b>	01 No.	Two Bid System [Techno - Commercial]	Rs.5,00,000.00

2. Interested Bidders may obtain further information from the office of the Group Head, Purchase & Stores, CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India, mail: [purchase@cmti.res.in](mailto:purchase@cmti.res.in)
3. The Bidding Documents can be downloaded at [www.tenderwizard.com/CMTI/](http://www.tenderwizard.com/CMTI/) <https://cmti.res.in/all-tender/>.
4. The Director, CMTI- Bengaluru, reserves the right to accept any or all tenders either in part or in full or to split the order without assigning any reasons therefore.
5. Please note that, as per GoI notification, EMD exemption will be conceded for (a) Micro and small Enterprises if registered with any government bodies specified by Ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting the tender fee and earnest money deposit (EMD). **It will be applicable for those bidders who shall produce their own goods or provide their own services, and not applicable for trading purpose.** No entrepreneur or memorandum of application form is acceptable. Kindly provide the valid Udyam MSME Certificate in order to avail EMD Exception otherwise you have to pay the EMD Money.
6. **A Pre bid meeting shall be held with the interested bidders at Central Manufacturing Technology Institute, Tumakuru Road, Bangalore-560022 at 11:00 hrs on 25-01-2024 to clear the doubt of intending bidders, if any. Vendors should send by email, all their queries, before pre- bid conference, latest by 13.00 hrs of 24-01-2024 to the Group Head (Purchase and stores), CMTI Email id: [purchase@cmti.res.in](mailto:purchase@cmti.res.in)**
7. **Currency of Bidding:** For Imported Goods/Services if supplied directly from abroad, prices shall be quoted in respective foreign currencies like US Dollar or Euro or Pound Sterling or Yen etc., Bidders supplying indigenous goods shall be quoted in INR only.
8. Indication of Price in Technical Bid in any manner directly or indirectly may lead to disqualification of the respective tender.

**Supply, Installation, Testing & Commissioning of CNC High Precision  
Micro machining center**

BID REFERENCE	CMTI/PUR/09/2023-24/RS/MNTM
PRE-BID CONFERENCE WAS HELD ON	<b>25-01-2024 @ 11.00 hrs</b>
DEADLINE FOR RECEIPT OF BIDS	<b>02.05.2024 – 14.00 hrs</b>
DATE AND TIME OF OPENING OF BIDS (TECHNICAL BID ONLY)	<b>02.05.2024 – 14.30 hrs</b>
DATE AND TIME OF OPENING OF PRICE BIDS	Technically Qualified Bidders only through GeM Portal
VENUE FOR BID OPENING	GeM online opening
ADDRESS FOR COMMUNICATION	Group Head, (Purchase & Stores) Central Manufacturing Technology Institute, Tumkur Road, Bengaluru-560022, Karnataka, India Email ID: <a href="mailto:purchase@cmti.res.in">purchase@cmti.res.in</a>

N.B.:

1. All the pages of the Bidding Document should be signed, stamped with company seal and submitted with the offer.
2. This Bidding Document is non-transferable.
3. Bidding Document can be downloaded free of cost from our website <https://cmti.res.in/all-tender/>

**CHAPTER - 1**

**INSTRUCTIONS TO BIDDER**

**Table of Contents**

<b>Sl.No.</b>	<b>Contents</b>
1.1	Eligible Bidders
1.2	Cost of Bidding
1.3	Fraud and Corruption
1.4	Cost of Bidding Documents
1.5	Content of Bidding Documents
1.6	Clarification of Bidding Documents
1.7	Amendment of Bidding Documents
1.8	Language of Bid
1.9	Documents Comprising the Bid
1.10	Bid form and price schedule
1.11	Bid Prices
1.12	Bid Currencies
1.13	Documents establishing Bidder's eligibility and qualifications.
1.14	Documents establishing Goods' eligibility and conformity to Bidding documents
1.15	Bid Security [BS] / Earnest Money Deposit [EMD]
1.16	Period of Validity of Bids
1.17	Format and Signing of Bid
1.18	Submission, Sealing and Marking of Bids
1.19	Opening of Bids by the Purchaser
1.20	Confidentiality
1.21	Clarification of Bids
1.22	Preliminary Examination
1.23	Responsiveness of Bids
1.24	Non- Conformity, Error and Omission
1.25	Examination of Terms & Conditions, Technical Evaluation
1.26	Conversion to Single Currency
1.27	Evaluation and Comparison of Bids
1.28	Comparison of Bids
1.29	Contacting the Purchaser
1.30	Post qualification
1.31	Negotiations
1.32	Award Criteria
1.33	Purchaser's right to Vary Quantities at Time of award
1.34	Purchaser's right to accept any Bid and to reject any or all Bids
1.35	Notification of Award
1.36	Signing of Contract
1.37	Order Acknowledgement
1.38	Performance Security

## **A-Introduction**

### **1.1 Eligible Bidders**

- 1.1.1 (a) Vendor shall be Wholly-Owned Subsidiary of OEM in India or OEM's own Branch/Sales Office in India or Authorized representatives of the OEM, (b) vendor shall have service center with trained service engineers in India preferably in Bangalore (c) vendor shall have supplied and installed XRD Operando System of similar specification in govt institutes/research organization/PSU in India, who fulfill the eligibility criteria mentioned in the Chapter-4.
- 1.1.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting Services for the preparation of the design, specifications, and other documents to be used for the procurement of the Goods to be purchased under this Invitation for Bids.

### **1.2 Cost of Bidding**

- 1.2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser, will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

### **1.3 Fraud and corruption**

- 1.3.1 The Purchaser requires that the Bidders, Suppliers and Contractors observe the highest standard of ethics during the procurement process and execution of such contracts. In pursuit of this policy, the following are defined:

**“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

**“Fraudulent practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

**“Collusive practice”** means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser, designed to establish bid prices at artificial, non- competitive levels; and

**“Coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

- 1.3.2 The Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

## **B - The Bidding Documents**

### **1.4 Cost of Bidding Documents**

1.4.1 The Bidding Documents can be downloaded from Purchaser's website as indicate in the Invitation for Bids [IFB] free of cost.

### **1.5 Content of Bidding Documents**

1.5.1 The Goods required, bidding procedures and contract terms are prescribed in the Bidding Documents which should be read in conjunction. The Bidding Documents, apart from the Invitation For Bids have been divided into 8 chapters asunder:

Chapter 1:	Instructions to Bidder (ITB)
Chapter2:	General Conditions of Contract (GCC) and Special Conditions of Contract (SCC)
Chapter3:	Schedule of Requirements
Chapter 4:	Specifications and Allied Technical Details PART A: Technical Specifications PART B: Acceptance Criteria
Chapter 5	Price Schedule Forms
Chapter 6	Contract Form
Chapter 7:	Other Standard Forms comprising: (a) Integrity Pact; (b) Bidder Information Form; (c) Bid Security Form; (d) Performance Statement Form; (e) Deviation Statement Form; (f) Service Support details Form; (g) Bid Form; (h) Performance Security Form; (i) Acceptance Certificate Form; (j) Eligibility Certificate Form; (k) Non-Black-Listed Self Certification Form

1.5.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

### **1.6 Clarification of Bidding Documents**

1.6.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address specified in the Special Conditions of Contract (SCC). The Purchaser will respond in writing to request for clarification, provided that such request is received not later than ten (10) days prior to the deadline for submission of Bids. The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under clause relating to amendment of Bidding Documents and Clause relating to Deadline for Submission of Bids. The clarifications

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center and amendments issued would also be hosted on the website of the Purchaser for the benefit of the other prospective Bidders.

### **1.7 Amendment of Bidding Documents**

1.7.1 At any time prior to the deadline for submission of Bids, the Purchaser 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 an amendment.

1.7.2 All prospective Bidders who have received the Bidding Documents will be notified of the amendment in writing or by cable or by fax, or by e mail and the said amendment will be binding on them. The same would also be hosted on the website of the Purchaser and all prospective Bidders are expected to surf the website before submitting their Bids to take cognizance of the amendments.

1.7.3 In order to allow prospective Bidders reasonable time to take the amendment into account, while preparing their Bids, the Purchaser, at its discretion, may extend the deadline for the submission of Bids and host the changes on the website of the Purchaser.

## **C - Preparation of Bids**

### **1.8 Language of Bid**

1.8.1 The Bidder shall bear all costs of translation, if any, to the English language and all risks of the accuracy of such translation, for documents provided by the Bidder.

### **1.9 Documents Comprising the Bid**

1.9.1 The Offer is to be submitted in two parts. One part will be the Un-Priced Techno-Commercial Bid and the other shall be the Priced Bid in the manner described at ITB Clause 1.18.

1.9.2 The Un-Priced Techno-Commercial Bid prepared by the Bidder shall include, among other Documents [like Technical Literature, brochures, drawings, all relevant commercial terms, data sheets etc.] the following:

- (a) Bidder Information Form;
- (b) Bid Security as specified in the Invitation for Bids;
- (c) Service support details form;
- (d) Deviation Statement Form;
- (e) Performance Statement Form;
- (f) Documentary evidence establishing that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
- (g) Documents establishing good eligibility and conformity to Bidding Documents;
- (h) Current solvency certificate
- (i) Eligibility Certificate
- (j) Non-Blacklisted self-certificate

1.9.3 The Price Bid prepared by the Bidder shall include, among other Documents the following:

- (a) Bid form.
- (b) Applicable Price Schedule Form (these forms shall be mandatorily be uploaded in the price bid)

### **1.10 Bid Form and Price Schedule Form**

1.10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule Form furnished in the Bidding Documents. These forms must be completed without any alterations to its



Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
format and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

### **1.11 Bid Prices**

1.11.1 The Bidder shall indicate on the appropriate Price Schedule Form, the unit prices and total bid prices of the Goods it proposes to supply under the contract.

1.11.2 Prices indicated on the Price Schedule Form shall be entered separately in the following manner:

#### **(a) For Goods manufactured with-in India**

- (i) The price of the Goods quoted ex - works including taxes already paid.
- (ii) GST and other taxes & duties which will be payable on the Goods if the contract is awarded.
- (iii) The charges for inland transportation, insurance and other local Services required for delivering the Goods at the desired destination.
- (iv) The installation, commissioning and training charges including any incidental Services, if any.

#### **(b) For Goods manufactured abroad**

- (i) The price of the Goods, quoted on EXW/ FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the Price Schedule Form.
- (ii) The charges for insurance and transportation of the Goods to the port/place of destination. The agency commission charges, if any.
- (iii) The installation, commissioning and training charges including any incidental Services, if any

1.11.3 Where there is no mention of packing, forwarding, freight, insurance charges, taxes etc. such offer shall be rejected as incomplete.

1.11.4 The price quoted shall remain fixed during the contract period and shall not vary on any account.

1.11.5 All lots and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Lots or items not listed in the Price Schedule shall be assumed to be not included in the bid.

### **1.12 Bid Currencies**

1.12.1 Prices shall be quoted in **Indian Rupees**.

### **1.13 Documents Establishing Bidder's Eligibility and Qualifications**

1.13.1 The Bidder shall furnish as part of its bid, documents establishing the Bidder's eligibility to bid and its qualification to perform the contract if its bid is accepted.

1.13.2 The documentary evidence of the Bidder's qualification to perform the contract if the bid is accepted shall establish to the Purchaser's satisfaction that; Bidder meets the qualification/eligibility Criteria listed in Bidding Documents, if any.

1.13.3 Conditional tenders shall not be accepted.

#### **1.14 Documents Establishing Goods Eligibility and Conformity to Bidding Documents**

- 1.14.1 To establish the Goods eligibility, the documentary evidence of the Goods and Services eligibility shall consist of a statement on the country of origin of the Goods and Services offered which shall be confirmed by a certificate of origin issued by a local chamber of commerce at the time of shipment.
- 1.14.2 To establish the conformity of the Goods and Services to the specifications and schedule of requirements of the Bidding Documents, the documentary evidence of conformity of the Goods and Services to the Bidding Documents may be in the form of literature, drawings and data, and shall consist of:
- (a) A detailed description of the essential technical and performance characteristics of the Goods;
  - (b) A list giving full particulars, including available sources and current prices, of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods following commencement of the use of the Goods by the Purchaser in the Priced - bid; and
  - (c) An item-by- item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the Goods and Services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 1.14.3 For purposes of the commentary to be furnished pursuant to above, the Bidder shall note that standard workmanship, material and equipment, designated by the Purchaser in its Technical Specifications are intended to be descriptive only not restrictive The Bidder may substitute these in its bid, provided that it demonstrates to the Purchaser's satisfaction that the Substitutions ensure substantial equivalence to those designated in the Technical Specifications.

#### **1.15 Bid Security (BS) / Earnest Money Deposit (EMD)**

- 1.15.1 The Bidder shall furnish, as part of its bid, a Bid Security (BS) / Earnest Money Deposit [EMD] for an amount as specified in the Invitation for Bids.
- 1.15.2 The Bid Security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture.
- 1.15.3 The Bid Security shall be in Indian Rupees for offers received for supply within India and denominated in the currency of the bid or in any freely convertible foreign exchange in the case of offers received for supplies from foreign countries in equivalent Indian Rupees. The Bid Security shall be in one of the following forms at the Bidder's option:
- (a) A Bank Guarantee [BG] issued by a Nationalized/Scheduled bank in the form provided in the Bidding Documents and valid for 45 days beyond the validity of the bid. In case a Bidder desires to submit a BG issued from a foreign bank, then the same should be confirmed by a Nationalized/Scheduled Indian bank, with all confirmation charges to Bidder's account. Purchaser reserves the right to verify the authenticity of the Bank Guarantees from the issuing/confirming/controlling bank; or
  - (b) Fixed Deposit Receipt pledged in favor of the Purchaser **or**
  - (c) Online payment in favor of the Purchaser
- 1.15.4 The Bid Security shall be payable promptly upon written demand by the Purchaser in case the conditions listed in the ITB Sub-Clause 1.15.8 are invoked.

1.15.5 The Bid Security should be submitted in its original form. Copies shall not be accepted.

1.15.6 The Bid Security of unsuccessful Bidder will be discharged / returned as promptly as possible positively within a period of 30 days after the expiration of the period of bid validity or placement of order whichever is later, without any interest.

1.15.7 The successful Bidder's Bid Security will be discharged upon the Bidder furnishing the Performance Security, without any interest. Alternatively, the BS could also be adjusted against PS, if it is paid through DD/BC.

1.15.8 The Bid Security may be forfeited:

(a) If a Bidder withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder on the Bid Form; or

(b) In case of a successful Bidder, if the Bidder fails to furnish Order Acknowledgement within 15 days of the order or fails to sign the contract and/or fails to furnish Performance Security within 21 days from the date of contract/ order.

### **1.16 Period of Validity of Bids**

1.16.1 Bids shall remain valid for a minimum period of 180 days after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

1.16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing (or by cable, telex, fax or e-mail). The Bid Security provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request will not be required nor permitted to modify its bid.

1.16.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

### **1.17 Format and Signing of Bid**

1.17.1 Bids are invited on two-bid system, the Bidder shall submit the Bids in two separate parts. One part will be the Un-Priced Techno - Commercial Bid and the other shall be the Price Bid.

## **D- Submission of Bids**

### **1.18 Submission of Bids**

1.18.1 The Bidders may submit their Bids in GeM portal.

## **E - Opening and Evaluation of Bids**

### **1.19 Opening of Bids by the Purchaser**

1.19.1 The Purchaser will open all Bids at a time in Tender portal. The Price Bid shall be opened only after technical evaluation.

### **1.20 Confidentiality**

1.20.1 Information relating to the examination, evaluation, comparison, and post qualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until publication of the Contract Award.

1.20.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post qualification of the Bids or contract award decisions may result in the rejection of its Bid.

### **1.21 Clarification of Bids**

1.21.1 To assist in the examination, evaluation, comparison and post qualification of the Bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted. However, no negotiation shall be held except with the lowest Bidder, at the discretion of the Purchaser. Any clarification submitted by a Bidder in respect to its bid which is not in response to a request by the Purchaser shall not be considered.

### **1.22 Preliminary Examination**

1.22.1 The Purchaser shall examine the Bids to confirm that all documents and technical documentation requested in ITB Clause 1.9 have been provided, and to determine the completeness of each document submitted.

1.22.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

- (a) Bid Form and Price Schedule Form, in accordance with ITB Clause 1.10. This condition pertains to opening of Price Bid only;
- (b) All the Bids received will first be scrutinized to see whether the Bids meet the basic requirements as incorporated in the Invitation for Bids [IFB]. The Bids, which do not meet the basic requirements, are to be treated as unresponsive and ignored. The following are some of the important points, for which a tender may be declared as unresponsive and to be ignored, during the initial scrutiny:
  - (i) The Bid is unsigned.
  - (ii) Bid Security/ Earnest Money Deposit has not been furnished
  - (iii) The Bidder is not eligible.
  - (iv) The Bid validity is shorter than the required period.
  - (v) The Bidder has quoted for Goods manufactured by a different firm without the required authority letter from the proposed Manufacturer.
  - (vi) Bidder has not agreed to give the required Performance Security.
  - (vii) The Goods quoted are sub-standard, not meeting the required specification etc.
  - (viii) Against the schedule of Requirement (incorporated in the tender enquiry), the Bidder has not quoted for the entire requirement as specified in that schedule.
  - (ix) The Bidder has not agreed to some essential condition(s) incorporated in the tender enquiry.
  - (x) Bidder has not mentioned charges related to packing, forwarding, freight, insurance charges, taxes etc. as required under Instructions to Bidders Clause 1.11 thus rendering such offers as incomplete.

### **1.23 Responsiveness of Bids**

1.23.1 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center

of each bid to the Bidding Documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the Bidding Documents without material deviations, reservations or omissions. A material deviation, reservation or omission is one that:

- (a) Affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) Limits in any substantial way, inconsistent with the bidding documents, the purchase's rights or the bidder's obligations under the contract; or
- (c) If rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.

1.23.2 The purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

1.23.3 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.

#### **1.24 Non-Conformity, Error and Omission**

1.24.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

1.24.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

1.24.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

1.24.4 Provided that a bid is substantially responsive, the Purchaser may request that a Bidder may confirm the correctness of arithmetic errors as done by the Purchaser within a target date. In ca se, no reply is received then the bid submitted shall be ignored and its Bid Security may be forfeited.

#### **1.25 Examination of Terms & Conditions, Technical Evaluation**

1.25.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.

1.25.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center

ITB Clause 1.14, to confirm that all requirements specified in Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

1.25.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 1.23, it shall reject the Bid.

#### **1.26 Evaluation and comparison of Bids**

1.26.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.

1.26.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.

1.26.3 The Bids shall be evaluated on the basis of final landing cost which shall be arrived as under:

- a. The price of the Goods quoted ex -works including all taxes already paid.
- b. GST and other taxes & duties like excise duty etc. which will be payable on the Goods if the contract is awarded.
- c. Charges for inland transportation, insurance and other local Services required for delivering the Goods the desired destination.
- d. The installation, commissioning and training charges including incidental Services, if any.

#### **For Goods manufactured abroad**

- a. The price of the Goods, quoted on EXW [duly packed] / FCA (named place of delivery abroad) or FOB (named port of shipment), as specified in the Bidding Documents.
- b. The charges for insurance and transportation of the Goods to the port/place of destination.
- c. The agency commission etc., if any.
- d. The installation, commissioning and training charges including incidental Services, if any.

**NOTE: Bidders not quoting the optional items entail the risk of their offer being summarily ignored in the event of the Purchaser deciding to buy the optional items after Bid opening.**

#### **1.27 Comparison of Bids**

1.27.1 The Purchaser shall compare all substantially responsive Bids to determine the lowest-evaluated responsive bid, in accordance with ITB Clause 1.27.

#### **1.28 Contacting the Purchaser**

1.28.1 Subject to ITB Clause 1.21, no Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

1.28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison or contract award may result in rejection of the Bidder's bid.

#### **1.29 Post qualification**

1.29.1 In the absence of pre - qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
Clause 1.13.

1.29.2 The determination will take into account the eligibility criteria listed in the Bidding Documents and will be based up on Examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

1.29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the bidder's bid.

## **F- Award of Contract**

### **1.30 Negotiations**

1.30.1 There shall not be any negotiation normally. Negotiations, if at all, shall be an exception and only in the case of items with limited source of supply. Negotiations shall be held with the lowest evaluated responsive Bidder. Counter offers tantamount to negotiations and shall be treated at par with negotiations in the case of one-time purchases.

### **1.31 Award Criteria**

1.31.1 Subject to ITB Clause 1.34 the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

### **1.32 Purchaser's right to vary Quantities at Time of Award**

1.32.1 The Purchaser reserves the right at the time of Contract award to increase or decrease the quantity of Goods and Services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. Further, at the discretion of the Purchaser, the quantities in the contract may be enhanced by 30% within the delivery period.

### **1.33 Purchaser's right to accept any Bid and to reject any or All Bids**

1.33.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all Bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders.

### **1.34 Notification of Award**

1.34.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter or by cable or telex or fax or e-mail that the bid has been accepted and a separate Purchase Order shall follow through post.

1.34.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding contract.

1.34.3 Upon the successful bidder's furnishing of the signed contract form and performance security pursuant to ITB clause 1.38, the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security

### **1.35 Signing of Contract**

1.35.1 Promptly after notification, the Purchaser shall send the successful Bidder the

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center Agreement/Purchase Order.

1.35.2 Within twenty - one (21) days of date of the Agreement / Purchase Order, the successful Bidder shall sign, date, and return it to the Purchaser.

### **1.36 Order Acknowledgement**

1.36.1 The successful Bidder should submit Order Acknowledgement within 15 days from the date of issue of the Purchase Order / Contract, failing which it shall be presumed that the Supplier is not interested and his Bid Security is liable to be forfeited pursuant to clause 1.15.11 of ITB.

1.36.2 The Order Acknowledgement must be received within 15 days. However, the Purchaser has the powers to extend the time frame for submission of Order Acknowledgement and submission of Performance Security (PS). Even after extension of time, if the Order Acknowledgement /PS are not received, the contract shall be cancelled and limited tenders irrespective of the value shall be invited from the responding firms after forfeiting the Bid Security of the defaulting firm, where applicable, provided there is no change in specifications. In such cases the defaulting firm shall not be considered again for re-tendering in the particular case.

### **1.37 Performance Security**

1.37.1 Within 21 days of receipt of the notification of award/PO, the Supplier shall furnish Performance Security in the amount specified in SCC, valid till 60 days after the warranty period. Alternatively, the PS may also be submitted at the time of release of final payment in cases where part payment is made against delivery & part on installation. The PS, where applicable, shall be submitted in advance for orders where full payment is to be made on Letter of Credit (LC) or on delivery. In this case, submission of PS at the time of negotiation of documents through Bank would be stipulated as a condition in the LC and the BS should be kept valid till such time the PS is submitted.

1.37.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

1.37.3 The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.

1.37.4 In the case of imports, the PS may be submitted either by the Principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the Manufacturer or their authorized dealer/Bidder.

1.37.5 The Performance Security shall be in one of the following forms:

- a. A Bank Guarantee [BG] or Stand- by Letter of Credit [SLC] issued by a Nationalized/Scheduled bank located in India or a Foreign bank [ i.e. a bank located outside India] with preferably its operating branch in India. The BG shall be issued in the form provided with the Bidding Documents. In case of Performance Security being furnished in the shape of Bank Guarantee or Stand - by Letter of Credit issued by any foreign bank, the said BG/SLC shall have to be confirmed. All confirmation and other bank charges in this respect shall be borne by the Supplier. Purchaser shall independently verify the authenticity of the BGs from the issuing / confirming /



controlling banks. Or;

- b. Online payment in favor of the purchaser, or;
- c. A Fixed Deposit Receipt pledged in favor of the Purchaser.

- 1.37.6 The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.
- 1.37.7 In the event of any contract amendment, the Supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.
- 1.37.8 The Order Acknowledgement should be received within 15 days from the date of notification of award. However, the Purchaser has the powers to extend the time frame for submission of Order Acknowledgement and submission of Performance Security (PS). Even after extension of time, if the Order Acknowledgement /PS are not received, the contract shall be cancelled and limited tenders irrespective of the value would be invited from the responding firms after forfeiting the Bid Security of the defaulting firm, where applicable provided there is no change in specifications. In such cases the defaulting firm would not be considered again for re- tendering in the particular case.

**CHAPTER - 2**

**CONDITIONS OF CONTRACT**

**A. GENERAL CONDITIONS OF CONTRACT (GCC)**

Table of Contents

Sl. No.	Clause
2.1.	Definitions
2.2.	Contract Documents
2.3.	Fraud and Corruption
2.4.	Joint Venture, Consortium or Association
2.5.	Scope of Supply
2.6.	Supplier's Responsibilities
2.7.	Contract price
2.8.	Copyright
2.9.	Application
2.10.	Standards
2.11.	Use of Contract Documents and Information
2.12.	Patent Indemnity
2.13.	Performance Security
2.14.	Inspections and Tests
2.15.	Packing
2.16.	Delivery and Documents
2.17.	Warranty
2.18.	Terms of Payment
2.19.	Change Orders and Contract Amendments
2.20.	Assignment
2.21.	Extension of time
2.22.	Penalty Clause
2.23.	Termination for default
2.24.	Force Majeure
2.25.	Termination for insolvency
2.26.	Termination for Convenience
2.27.	Settlements of Disputes
2.28.	Governing language
2.29.	Applicable law
2.30.	Notice
2.31.	Taxes and Duties
2.32.	Right to use Defective Goods
2.33.	Integrity Pact
2.34.	Additional Terms and Conditions

## **2.1. Definitions**

2.1.1. The following words and expressions shall have the meanings hereby assigned to them:

- (a) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments
- (d) "Day Means" calendar day
- (e) "Completion" means the fulfillment of the related services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) "GCC" means the General Conditions of Contract
- (g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (h) "Related Service", means the services incidental to the supply of the Goods, such as transportation, insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
- (i) "SCC" means the Special Conditions of Contract.
- (j) "Subcontractor" means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
- (k) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (l) The "Institute" means CMTI, Central Manufacturing Technology Institute registered under the Societies Registration Act, 1860 of Govt. Of India having its registered office at Tumakuru Road, Bengaluru - 560022, Karnataka, India and the "Purchaser" also means the above Institute situated at the above address in India as specified in SCC.
- (m) "Final Destination", where applicable, means the place named in the SCC.

## **2.2. Contract Documents**

Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

## **2.3. Fraud and Corruption**

2.3.1. The Purchaser requires that Bidders, Suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

- (a) The terms set forth below are defined as follows:

- (i) **"Corrupt practice"** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
  - (ii) **"Fraudulent practice"** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
  - (iii) **"Collusive practice"** Means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Borrower, designed to establish bid prices at artificial, noncompetitive levels; and
  - (iv) **"Coercive practice"** means harming or threatening to harm, directly or indirectly, persons or their Property to influence their participation in the procurement process or affect the execution of a contract;
- (b) The Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

#### **2.4. Joint Venture, Consortium or Association**

2.4.1. If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

#### **2.5. Scope of Supply**

2.5.1. The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.

#### **2.6. Suppliers' Responsibility**

2.6.1. The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with Scope of Supply Clause of the GCC, and the Delivery and Completion Schedule, as per GCC Clause relating to delivery and document.

#### **2.7. Contract price**

2.7.1. Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

#### **2.8. Copyright**

2.8.1. The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
third party, including Suppliers of materials, the copyright in such materials shall remain vested in such third party

## **2.9. Application**

2.9.1. These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the Contract.

## **2.10. Standard**

2.10.1. The Goods supplied and Services rendered under this Contract shall conform to the standards mentioned in the Technical Specifications and Schedule of requirements, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Good's country of origin and such standards shall be the latest issued by the concerned institution.

## **2.11. Use of Contract Documents and Information**

2.11.1. The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far, as may be necessary for purposes of such performance.

2.11.2. The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information enumerated above except for purposes of performing the Contract.

2.11.3. Any document, other than the Contract itself, enumerated above shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract, if so required by the Purchaser.

## **2.12. Patent Indemnity**

2.12.1. The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 2.12.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) The installation of the Goods by the Supplier or the use of the Goods in India; and
- (b) The sale in any country of the products produced by the Goods.

2.12.2. If any proceedings are brought or any claim is made against the Purchaser, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may as its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claims.

**2.13. Performance Security**

2.13.1. Within 21 days of receipt of the notification of award/ PO, the Supplier shall furnish Performance Security in the amount specified in SCC, valid till 60 days after the warranty period. Alternatively, the PS may also be submitted at the time of release of final payment in cases where part payment is made against delivery & part on installation. The PS, where applicable, shall be submitted in advance for orders where full payment is to be made on Letter of Credit (LC) or on delivery. In this case, submission of PS at the time of negotiation of documents through Bank would be stipulated as a condition in the LC and the BS should be kept valid till such time the PS is submitted.

2.13.2. The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

2.13.3. The Performance Security shall be denominated in Indian Rupees for the offers received for supplies within India and denominated in the currency of the contract in the case of offers received for supply from foreign countries.

2.13.4. In the case of imports, the PS may be submitted either by the principal or by the Indian agent and, in the case of purchases from indigenous sources, the PS may be submitted by either the Manufacturer or their authorized dealer/Bidder.

2.13.5. The Performance Security shall be in one of the following forms:

- (a) A Bank Guarantee [BG] or Stand - by Letter of Credit [SLC] issued by a Nationalized/Scheduled bank located in India or a Foreign bank with preferably its operating branch in India. The BG shall be issued in the form provided with the Bidding Documents. In case of Performance Security being furnished in the shape of Bank Guarantee or Stand - by Letter of Credit issued by any foreign bank, the said BG/SLC shall have to be confirmed by any nationalized bank of India. All confirmation and other bank charges in this respect shall be borne by the Supplier. Purchaser shall independently verify the authenticity of the BGs from the issuing / confirming / controlling banks. Or;
- (b) Online payment in favor of the Purchaser. Or;
- (c) A Fixed Deposit Receipt pledged in favor of the Purchaser.

2.13.6. The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations, unless specified otherwise in SCC, without levy of any interest.

2.13.7. In the event of any contract amendment, the Supplier shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the contract, as amended for further period of 60 days thereafter.

2.13.8. The order confirmation should be received within 15 days from the date of notification of award. However, the Purchaser has the powers to extend the time frame for submission of order confirmation and submission of Performance Security (PS)- Even after extension of time, if the order confirmation /PS are not received, the contract shall be cancelled and limited tenders irrespective of the value would be invited from the responding firms after forfeiting the Bid Security of the defaulting firm, where applicable provided there is no change in specifications. In such cases the defaulting firm would not be considered again for re- tendering in the particular case.

**2.14. Inspections and Tests**

2.14.1. The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC or as discussed and agreed to during the course of finalization of contract.

2.14.2. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Technical Specifications and SCC shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.

2.14.3. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at the point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.

2.14.4. Whenever the Supplier is ready to carry out any such test and inspection, it shall give reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or Manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

2.14.5. Should any inspected or tested Goods fail to conform to the specifications, the Purchase or may reject the Goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

2.14.6. The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

2.14.7. The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

2.14.8. With a view to ensure that claims on insurance companies, if any, are lodged in time, the Bidders and /or the Indian agent shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after clearance so that immediately thereafter in his presence the consignment could

be opened and the insurance claim be lodged, if required, without any loss of time. Any delay on the part of the Bidder/ Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the Purchaser on the event of the delay.

**2.15. Packing**

- 2.15.1. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling **during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage**. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 2.15.2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the Purchaser.

**2.16. Delivery and Documents**

- 2.16.1. Delivery of the Goods and completion and related Services shall be made by the Supplier in accordance with the terms specified by the Purchaser in the contract. The details of shipping and/ or other documents to be furnished by the Supplier are specified in SCC.
- 2.16.2. The mode of transportation shall be as specified in SCC.

**2.17. Warranty**

- 2.17.1. The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 2.17.2. The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
- 2.17.3. Unless otherwise specified in the SCC or technical specifications, the warranty shall remain valid as specified in the contract.
- 2.17.4. The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 2.17.5. Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 2.17.6. If having been notified, the Supplier fails to remedy the defect within the reasonable



Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
period of time, the Purchaser expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

2.17.7. Goods requiring warranty replacements must be replaced on free of cost basis to the Purchaser at Purchaser site.

## **2.18. Terms of Payment**

2.18.1. The method and conditions of payment to be made to the Supplier under this Contract shall be as specified in the SCC.

2.18.2. The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents, submitted pursuant to Delivery and document Clause of the GCC and upon fulfillment of other obligations stipulated in the contract.

2.18.3. Payments shall be made promptly by the Purchaser within a reasonable time after submission of the invoice or claim by the Supplier.

2.18.4. Payment shall be made in currency as indicated in the contract.

## **2.19. Change Orders and Contract Amendments.**

2.19.1. The Purchaser may at any time, by written order given to the Supplier pursuant to Clause on Notices of the GCC make changes within the general scope of the Contract in any one or more of the following:

- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) The method of shipping or packing;
- (c) The place of delivery; and/or
- (d) The Services to be provided by the Supplier.
- (e) The delivery schedule.

2.19.2. If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within fifteen (15) days from the date of the Supplier's receipt of the Purchaser's change order.

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

## **2.20. Assignment**

2.20.1. The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

## **2.21. Extension of time**

2.21.1. Delivery of the Goods and performance of the Services shall be made by the Supplier in

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
accordance with the time schedule specified by the Purchaser.

- 2.21.2. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may, at its discretion, extend the suppliers time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 2.21.3. Except as provided under the Force Majeure clause of the GCC, a delay by the Supplier in the performance of its delivery Obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause of the GCC unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.

## **2.22. Penalty clause**

- 2.22.1. Subject to GCC Clause on Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services or contract value for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the Percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause on Termination for Default. The SCC shall also indicate the basis for ascertaining the value on which the penalty shall be applicable.

## **2.23. Termination for Default**

- 2.23.1. The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part
- (a) If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause on Extension of Time; or
  - (b) If the Supplier fails to perform any other obligation(s) under the Contract; or
  - (c) If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent or collusive or coercive practices as defined in GCC Clause on Fraud or Corruption in competing for or in executing the Contract.
- 2.23.2. In the event the Purchaser terminates the contract in whole or in part, he may take recourse to any one or more of the following action:
- (a) The Performance Security is to be forfeited;
  - (b) The Purchaser may procure, upon such terms and in such manner as it deems appropriate, stores similar to those undelivered, and the Supplier shall be liable for all available actions against it in terms of the contract.
  - (c) However, the Supplier shall continue to perform the contract to the extent not terminated.

**2.24. Force Majeure**

- 2.24.1. Notwithstanding the provisions of GCC Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 2.24.2. For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 2.24.3. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser 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.
- 2.24.4. If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

**2.25. Termination for Insolvency**

- 2.25.1. The Purchaser may at anytime terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

**2.26. Termination for Convenience**

- 2.26.1. The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 2.26.2. The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (a) To have any portion completed and delivered at the Contract terms and prices
  - (b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

**2.27. Settlement of Disputes**

- 2.27.1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 2.27.2. If, after twenty – one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as herein after provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 2.27.3. The dispute settlement mechanism/arbitration proceedings shall be concluded as under:
- (a) In case of Dispute or difference arising between the Purchaser and a domestic Supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re - enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Central Manufacturing Technology Institute and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
  - (b) In the case of a dispute between the Purchaser and a Foreign Supplier, the dispute shall be settled by arbitration In accordance with provision of sub - clause (a) above. But if this is not acceptable to the Supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.
- 2.27.4. The venue of the arbitration shall be the place from where the purchase order or contract is issued.
- 2.27.5. Notwithstanding any reference to arbitration herein,
- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
  - (b) The Purchaser shall pay the Supplier any monies due the Supplier.

**2.28. Governing Language**

- 2.28.1. The contract shall be written in English language which shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the English language only.

**2.29. Applicable Law**

- 2.29.1. The Contract shall be interpreted in accordance with the laws of the Union of India and

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center  
all disputes shall be subject to place of jurisdiction as specified in SCC.

**2.30. Notices**

- 2.30.1. Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by cable, telex, FAX, e-mail or and confirmed in writing to the other party's address specified in the SCC.
- 2.30.2. A notice shall be effective when delivered or on the notice's effective date, whichever is later.

**2.31. Taxes and Duties**

- 2.31.1. The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred till its final manufacture/production.

**2.32. Right to use Defective Goods**

- 2.32.1. If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the Goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such Goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the purchaser's operation.

**2.33. Integrity Pact**

As per directive of CVC all organizations have to adopt an Integrity Pact (IP) to ensure transparency, equity and competitiveness in major Public procurement activities. The integrity Pact envisages an agreement between the prospective Bidders/Vendors with the buyer committing the persons/officials of both the parties with the aim not to exercise any corrupt influence on any aspect of the contract. Only these Bidders/Vendors who are willing to enter into such an Integrity Pact with the buyer i.e, CMTI would be competent to participate in the bidding.

**2.34. Additional Terms and Conditions**

- a) Vendor should submit an authorization certificate from the OEM. This certificate should bear the tender bid number and related details.
- b) The vendor/seller/Supplier/Re-seller/Distributor must refrain from changing or altering the configuration of the factory pre-loaded desktop computer spare parts/accessories and should be delivered to the purchaser in its original, factory approved/provided configuration.
- c) Supply, Installation, Testing and Commissioning of Goods should be carried out by the vendor/supplier at CMTI, Bengaluru.
- d) OEM should have experience of supplying and servicing desktop computers in India for a minimum of 5 Years. A letter stating these details from the OEM should be submitted on OEM's letter head.
- e) Warranty details & desktop computers details should be available on OEM's website. The seller should furnish a valid warranty Certificate from the OEM.
- f) OEM should have service center in Bengaluru and should have connectivity over email,

telephone to get the service support.

- g) Microsoft office should be purchased from the Microsoft Authorised Distributors/Resellers and supportive documents for purchasing should be provided during delivery of desktop computers.
- h) Microsoft Windows OS should be factory pre-loaded OS by the OEM.
- i) Factory preloaded desktop computers should be supplied.
- j) OEM seal should be present on the factory pre-loaded desktop computers and should not be in torn/broken/tampered condition.
- k) All the items/parts of the desktop computers should be from the single OEM/Certified by the single OEM and should be genuine. A letter from the OEM should be provided stating that all the specified parts present in the desktop computers are from the OEM/certified by the OEM.

**B. SPECIAL CONDITIONS OF CONTRACT (SCC)**

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

GCC 2.1	The <i>Purchaser</i> is: CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India
GCC 2.2	The <i>Final Destination</i> is: CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India,
GCC 2.3	<p><i>Inspection and Acceptance Tests at Final Destination:</i></p> <p><b>The Inspection and Acceptance Tests at Buyer’s site (Final Destination) are as follows:</b></p> <p>The acceptance test will be conducted after the equipment/system is installed at Purchaser’s site by Supplier’s representatives to check conformity with the technical specifications and acceptance criteria. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment/system is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserves the right to get the equipment /system replaced by the Supplier at no extra cost to the Purchaser. Successful conduct and conclusion of the acceptance test for the installed Goods and equipment /system shall also be the responsibility and at the cost of the Supplier. Before the Goods and equipment /system are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the Goods and equipment /system built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications. The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract. Unless and otherwise agreed, the Goods and equipment /system shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser. On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment /system, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment /system.</p>
GCC 2.4	<p><b><i>Packing</i></b></p> <p>The marking and documentation within and outside the packages shall be: Each package should have a packing list within it detailing the part No.(s), description, quantity, etc.</p> <p>Outside each package, the contract No., the name and address of the Purchaser and the final destination should be indicated on all sides and top. Each package should be marked as 1/x, 2/x,3/x.....x/x, where “x” is the total no of packages contained in the consignment. All the sides and top of each package should carry an appropriate indication / label / stickers indicating the precautions to be taken while handling / storage</p>

GCC 2.5	<p><b><i>Shipping/Dispatch documents</i></b></p> <p>Details of Shipping and other Documents to be furnished by the Supplier are</p> <p><b><u>A. For Goods manufactured within India</u></b></p> <p>Within 24 hours of dispatch, the Supplier shall notify the Purchaser the complete details of dispatch and also supply following documents by registered post / speed post and copies thereof by FAX/ E-mail.</p> <p>(a) Two copies of Supplier’s Invoice indicating, inter - alia description and specification of the Goods, quantity, unit price, total value;</p> <p>(b) Packing list;</p> <p>(c) Certificate of country of origin;</p> <p>(d) Insurance certificate, if required under the contract;</p> <p>(e) Railway receipt/Consignment note;</p> <p>(f) Manufacturer’s guarantee certificate and in- house inspection certificate;</p> <p>(g) Inspection Certificate issued by Purchaser’s inspector, if any and</p> <p>(h) Any other document(s) as and when required in terms of the contract.</p> <p>Note: 1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. Should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)</p> <p>Note: 2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses</p>
GCC 2.6	<p><b>Warranty</b></p> <p>The period of validity of Warranty shall be effective from the date of acceptance of the Goods to the entire satisfaction of the Purchaser. The Warranty shall be Comprehensive in nature. The warranty period shall be for the period as stipulated in the Technical Specifications</p>
GCC 2.7	<p><b>Payment</b></p> <p>The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods and Services supplied: 100% of the Contract Value shall be paid to the Supplier After delivery, Inspection and Acceptance</p>
GCC 2.8	<p>The place of jurisdiction is BENGALURU [KARNATAKA]</p>
GCC 2.9	<p>For notices, the Purchaser’s address is:</p> <p>Attention: Group Head(Purchase &amp; Stores)</p> <p>CMTI–Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India</p> <p>Email: purchase@cmti.res.in</p>



**CHAPTER - 3**

**SCHEDULE OF REQUIREMENTS**

TO BE FILLED BY BIDDER AND ENCLOSED WITH THE TECHNO- COMMERCIAL BID

Brief Description of Goods and Services	Quantity
Supply, Installation & Commissioning of <b>CNC High Precision Micro machining center</b> [Technical Specifications and Other Details as per Chapter 4 of this Bidding Documents]	As per Bill of quantity
Final Destination	CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru - 560022, Karnataka, India
Period of Delivery shall count from	< TO BE FILLED BY BIDDER>
Time period by which the goods shall be ready at manufacturer's site for pre-dispatch Equipment Audit	< TO BE FILLED BY BIDDER>
Delivery Period [Goods to be delivered in one lot at final destination CMTI - Central Manufacturing Technology Institute, Tumakuru Road, Bengaluru, Karnataka,India-560022]	< TO BE FILLED BY BIDDER>
Time frame required for conducting installation, commissioning of the Goods etc. after arrival of the Goods at Final destination	< TO BE FILLED BY BIDDER>

NOTE: The party has to offer their product /equipment strictly based on the specifications asked in the Bidding Documents.

**CHAPTER - 4****Part-A: Technical Specifications****Supply, Installation & Commissioning of CNC High Precision Micro machining center**

**Important Note:** Merely stating, "comply" does not constitute sufficient information. Exact numerical values are to be specified wherever applicable. **Specified technical data should be supported by product catalogues, manuals, test procedures and test plots etc. and demonstrated at site. In case of insufficient technical data, the quote will be summarily rejected without seeking any clarifications.**

**Annexure 1: Technical Specifications of CNC High Precision Micro machining center**

<b>Application:</b> Micromachining center is used for machining the components with miniature features, micro parts, micro devices like micro gears, impellers, turbine blades, medical components like micro needles, micro fluidic channels, surgical tools, biomedical implants, electronics devices, MEMS parts etc., and other precision parts for various industries. It should be capable of machining hard components up to 60 HRC hardness, plastics, ceramics and other exotic materials.			
Sl. No.	Parameters	CMTI Requirements	Vendor Compliance
<b>1</b>	<b>Table</b>		
1.1	Table Size (mm)	600 mm X 500 mm or higher	Vendor to specify size & Compliance
1.2	T Slots/ Tapped Holes Size	Specify	Vendor to specify size & Compliance
1.3	No of T Slots and Pitch (Nos.x mm)/ No. of Tapped Holes and pitch	Specify	Vendor to specify size & Compliance
1.4	Max. Load on Table (Kg )	100 kgs and above	Vendor to specify value & Compliance
<b>2</b>	<b>Capacity</b>		
2.1	No. of simultaneous interpolation axes	3 (X,Y,Z Axes)	Essential, Compliance Yes/No
2.2	X-Axis Travel (mm)	500 mm and above	Vendor to specify stroke & Compliance
2.3	Y-Axis Travel (mm)	450 mm and above	Vendor to specify stroke & Compliance
2.4	Z-Axis Travel (mm)	280 mm and above	Vendor to specify stroke & Compliance
2.5	Guide way type	Specify	Vendor to specify & Compliance
<b>3</b>	<b>Feed drive</b>		
3.1	Rapid Traverse (X-Axis) (mm/min)	20000 mm/min or Higher	Vendor to specify value & Compliance
3.2	Rapid Traverse (Y-Axis) (mm/min)	20000 mm/min or Higher	Vendor to specify value & Compliance
3.3	Rapid Traverse (Z- Axis) (mm/min)	20000 mm/min or Higher	Vendor to specify value & Compliance
3.4	Feed Motor Torque (X-Axis) (Nm)/N	Specify	Vendor to specify value & Compliance

3.5	Feed Motor Torque (Y – Axis) (Nm)/N	Specify	Vendor to specify value & Compliance
3.6	Feed Motor Torque (Z – Axis) (Nm)/N	Specify	Vendor to specify value & Compliance
3.7	Cutting Feed (mm/min)	1- 10000 mm/min or more	Vendor to specify value & Compliance
<b>4 Main Spindle Motor</b>			
4.1	Spindle Speed (RPM)	40000 or more	Vendor to specify value & Compliance
4.2	Spindle Motor – Type	Specify	Vendor to specify
4.3	Spindle Motor Power continuous. kW	7 KW or more	Vendor to specify value & Compliance
4.4	Spindle bore taper	HSK 32/40	Vendor to specify value & Compliance
4.5	Spindle running accuracy	0.002 mm or less at spindle nose	Vendor to specify value & Compliance
4.6	Spindle cooling	Essential	Vendor to specify Compliance
4.7	Minimum drilling capacity	0.030 mm or finer	Vendor to specify value & Compliance
4.8	Minimum milling capacity	0.050 mm or finer	Vendor to specify value & Compliance
4.9	Machine bed (Rigid, stiff machine bed)	Polymer concrete/ Gray Cast iron FC300 with natural seasoning	Vendor to specify material
4.10	Surface finish on job (Ra)	< 0.2 micron	Vendor to specify value & Compliance
4.11	Spindle bearing type and arrangements	Specify	Vendor to specify Compliance
4.12	Thermo stabilized body	Essential	Vendor to specify Compliance
4.13	Axis cooling system & table cooling system	Essential	Vendor to specify Compliance
4.14	Machining of Hardened steel	Upto 60 HRC	Vendor to specify Compliance
<b>5 Guideways and Motion systems</b>			
5.1	Guide ways type Linear guideways/Hydrostatic guideways	Specify	Vendor to specify compliance
5.2	Motion systems Ball screw/Linear motor/ Hydrostatic screw	Specify	Vendor to specify compliance
<b>6 Automatic Tool Changer</b>			
6.1	Number of Tool (Nos.)	20 or more	Vendor to specify value & Compliance
6.2	Max. Tool Diameter with adjacent tool (mm)	50 or more	Vendor to specify value & Compliance
6.3	Max. Tool Length (mm)	120 or more	Vendor to specify value & Compliance
6.4	Tool Shank type	HSK 32/40	Essential

<b>7</b>	<b>Accuracy Test</b>			
<b>7.1</b>	<b>Positioning and repeatability accuracies equivalent as per ISO 230-2-2014 using laser interferometer</b>		<b>Essential</b>	
7.1.1	Bidirectional Positioning accuracy for entire travel of X axis (mm)	≤0.003	Vendor to specify value & Compliance	
7.1.2	Bidirectional Positioning accuracy for entire travel of Y axis (mm)	≤0.003	Vendor to specify value & Compliance	
7.1.3	Bidirectional Positioning accuracy for entire travel of Z axis (mm)	≤0.003	Vendor to specify value & Compliance	
7.1.4	Bidirectional Repeatability in X,Y,Z Axis- (mm)	≤0.002	Vendor to specify value & Compliance	
<b>7.2</b>	<b>Geometrical Accuracies: as per ISO 10791-2/ISO 230-1</b>		<b>Essential</b>	
<b>7.2.1</b>	<b>X-Axis</b>			
7.2.1.1	Straightness	In the ZX-plane	≤0.003mm/300mm or Max. 0.005 mm for full stroke	Vendor to specify value & Compliance
		In the XY-plane		Vendor to specify value & Compliance
<b>7.2.2</b>	<b>Y-Axis</b>			
7.2.2.1	Straightness	In the YZ-plane	≤0.003mm/300mm or Max.0.005 mm for full stroke	Vendor to specify value & Compliance
		In the XY-plane		Vendor to specify value &
<b>7.2.3</b>	<b>Z-axis</b>			
7.2.3.1	Straightness	In the YZ-plane	≤0.003mm/300mm or Max.0.005 mm for full stroke	Vendor to specify value & Compliance
		In the ZX-plane		Vendor to specify value & Compliance
7.2.4	Squareness between Y-axis and X-axis	≤0.002 mm/100 mm or Max 0.006mm for full stroke	Vendor to specify value & Compliance	
7.2.5	Squareness between spindle-axis and X-axis	≤0.003 mm/100 mm or Max 0.006 mm for full stroke	Vendor to specify value & Compliance	
7.2.6	Squareness between spindle-axis and Y-axis	≤0.003 mm/100 mm or Max 0.006 mm for full stroke	Vendor to specify value & Compliance	
7.2.7	Spindle inner taper run-out	Spindle nose	≤0.002 mm	Vendor to specify value & Compliance
		Checkpoint at 100 mm	≤0.005 mm	Vendor to specify value & Compliance
7.2.8	Table Flatness	≤0.005 mm	Vendor to specify value & Compliance	
7.2.9	Parallelism between table	X-axis	≤0.008 mm	Vendor to specify value & Compliance
		Y-axis	≤0.008 mm	Vendor to specify value & Compliance
<b>7.3</b>	<b>Ball Bar Test</b>			
	Bi-directional circular deviation using Ball Bar test as per ISO-		Vendor to specify compliance	

	230-4: Diameter of nominal path:300 Feed Speed:1000 mm/min		
7.3.1	Bi-directional circular deviation	≤0.003 mm (Essential)	Vendor to specify value & Compliance
<b>7.4</b>	<b>Resolution:</b>		
7.4.1	Linear axes (X, Y, Z)	0.0001 mm or better	Vendor to specify value & Compliance
<b>7.5</b>	<b>Working Accuracy</b>		
7.5.1	The Machine should be able to demonstrate Test Piece Component machining and Accuracies there of as per ISO-10791-7, M1_80		Vendor to specify compliance
7.5.2	Flatness, Parallelism and squareness of milled surface	≤ 0.002mm/100 mm	Vendor to specify compliance
7.5.3	Circularity of Bore Dia 40 mm after boring test	≤ 0.002 mm	Vendor to specify compliance
7.5.4	Cylindricity of Bore Dia 40 mm after boring test	≤ 0.002 mm	Vendor to specify compliance
7.5.5	Circularity on Circle Dia 100 mm by interpolation	≤ 0.003 mm	Vendor to specify compliance
7.5.6	Surface Roughness test	< 0.2 micron	Vendor to specify compliance
<b>8</b>	<b>Control system</b>		
8.1	<b>Controller</b>	Fanuc 31i or higher version/ Heidenhain TNC 640 or Higher version	Essential
8.2	Preferred requirement		
8.3	Microprocessor based CNC continuous path control compatible of interfacing with the host computer	Specify	Vendor to specify compliance
8.4	No. of simultaneous interpolated axes	3	Vendor to specify compliance
8.5	Integrated programmable controller	Required	Vendor to specify compliance
8.6	Display of all machine and control functions on TFT/LCD screen in English	Essential	Vendor to specify compliance
8.7	Display of all messages and solutions on TFT/LCD screen in English	Essential	Vendor to specify compliance
8.8	Graphic simulation of program on TFT/LCD	Specify	Vendor to specify compliance
8.9	Storage of all data in non-volatile memory	Essential	Vendor to specify compliance
8.10	Compensation for tool length and diameter	Essential	Vendor to specify compliance
8.11	Number of Tool offsets	99 or more	Vendor to specify compliance
8.12	Feed override	0-120%	Vendor to specify

			compliance
8.13	Spindle speed override	0-120%	Vendor to specify compliance
8.14	Rapid rate override	0-120%	Vendor to specify compliance
8.15	Continuous and incremental jog with pulse generator	Essential	Vendor to specify compliance
8.16	Dry-run	Essential	Vendor to specify compliance
8.17	Spindle power monitoring	Essential	Vendor to specify compliance
8.18	Axis- Calibration	Essential	Vendor to specify compliance
8.19	OPCUA license enabled for connectivity or MT Connect/Industry 4.0	Essential	Vendor to specify compliance
8.20	Provision to interface/communicate with Touch probes	Essential	Vendor to specify compliance
9	<b>Programming</b>		
9.1	Canned cycles	Essential	Vendor to specify compliance
9.2	Circular pocket milling cycle	Essential	Vendor to specify compliance
9.3	Circular slot milling cycle	Essential	Vendor to specify compliance
9.4	Stud finishing cycle	Essential	Vendor to specify compliance
9.5	Rectangular pocket milling cycle	Essential	Vendor to specify compliance
9.6	Contour milling cycle	Essential	Vendor to specify compliance
9.7	Multi pass milling cycle	Essential	Vendor to specify compliance
9.8	Slot milling cycle	Essential	Vendor to specify compliance
9.9	Drilling cycle	Essential	Vendor to specify compliance
9.10	Reaming cycle	Essential	Vendor to specify compliance
9.11	Boring cycle	Essential	Vendor to specify compliance
9.12	Rigid tapping cycle	Essential	Vendor to specify compliance
9.13	Thread milling	Essential	Vendor to specify compliance
9.14	Pattern cycle	Essential	Vendor to specify compliance
9.15	Circular pattern cycle	Essential	Vendor to specify compliance
9.16	Linear pattern cycle	Essential	Vendor to specify compliance
9.17	Inspection cycle	Essential	Vendor to specify

			compliance
9.18	Helical interpolation	Essential	Vendor to specify compliance
9.19	Programming in polar coordinates	Essential	Vendor to specify compliance
9.20	Radius programming	Essential	Vendor to specify compliance
9.21	Programmable datum shift	Essential	Vendor to specify compliance
9.22	Coordinate system rotation	Essential	Vendor to specify compliance
9.23	Custom macros	Essential	Vendor to specify compliance
9.24	Parametric programming	Essential	Vendor to specify compliance
9.25	Zero datum shifts	Essential	Vendor to specify compliance
9.26	Work Offsets	minimum 6	Vendor to specify compliance
9.27	Direct RPM programming	Essential	Vendor to specify compliance
9.28	Direct feed rate programming in mm/min	Essential	Vendor to specify compliance
9.29	Absolute and Incremental programming	Essential	Vendor to specify compliance
9.30	Sub program & nesting of sub programs	Essential	Vendor to specify compliance
9.31	Programmable dwell	Essential	Vendor to specify compliance
9.32	Word address	Essential	Vendor to specify compliance
9.33	Parallel programming	Essential	Vendor to specify compliance
9.34	Background editing facility	Essential	Vendor to specify compliance
9.35	Sequence number/Block search	Essential	Vendor to specify compliance
9.36	Block delete/addition	Essential	Vendor to specify compliance
9.37	Teach in mode	Essential	Vendor to specify compliance
9.38	Rounding & beveling of corners	Essential	Vendor to specify compliance
9.39	Manual/incremental jog for axes	Essential	Vendor to specify compliance
9.40	Play back mode	Essential	Vendor to specify compliance
9.41	Programming away from machine	Essential	Vendor to specify compliance
9.42	Calculator functions	Essential	Vendor to specify compliance
9.43	Auto & Single block operation	Essential	Vendor to specify compliance

9.44	Diagnostics	Essential	Vendor to specify compliance
9.45	Self-diagnostic function, Alarm & fault	Essential	Vendor to specify compliance
9.46	Messages are displayed on Screen	Essential	Vendor to specify compliance
<b>10.0 Position measuring system &amp; Feedback device</b>			
10.1	For Linear Axes:	Optical Scales Linear scale with Absolute encoder of Heidenhain Make	Vendor to specify the make & compliance
<b>11</b>			
11.1	Touch probe (Type: radio probe preferred) Make: Renishaw/BLUM	Essential	Vendor to specify compliance
11.2	Job measurement system using touch probe	Job measuring cycles & software essential	Vendor to specify compliance
11.3	Interface hardware & software for touch probe	Essential	Vendor to specify compliance
11.4	Work offset probing	Essential	Vendor to specify compliance
11.5	Operator interactive machine programming (operator's guidance)	Essential	Vendor to specify compliance
11.6	BLUM or Similar Laser tool measuring (Length& Diameter) system	Essential	Vendor to specify compliance
<b>12 Hydraulic system</b>			
12.1	Hydraulic pump capacity ( flow/pressure)	Specify	Vendor to specify compliance
12.2	Hydraulic power pack tank capacity (liters)	Specify	Vendor to specify compliance
<b>13 Other Requirement</b>			
13.1	Lubrication system for <b>machine axis</b>	Essential	Vendor to specify compliance
13.2	Chip disposal system with Conveyer	Required	Vendor to specify compliance
13.3	Chiller unit	Required	Vendor to specify compliance
13.4	Integrated Coolant system	Essential	Vendor to specify compliance
13.5	Programmable coolant system	Required	Vendor to specify compliance
13.6	Coolant tank, pump capacity and Pump pressure	Specify	Vendor to specify compliance
13.7	Coolant tank with filter system	Specify	Vendor to specify compliance
13.8	Flushing system	Splash Jet	Vendor to specify compliance
13.9	Machine lamp	Essential	Vendor to specify



Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center

			compliance
13.10	Panel cooler	Essential	Vendor to specify compliance
13.11	Machine Guard	Required	Vendor to specify compliance
13.12	Front door auto closing/ opening	Required	Vendor to specify compliance
13.13	TFT/LCD size -15" or higher	Essential	Vendor to specify compliance
13.14	Electronic hand wheels for axes (MPG)	Essential	Vendor to specify compliance
13.15	Mode selector (manual/single/auto)	Essential	Vendor to specify compliance
13.16	Mid program restart	Essential	Vendor to specify compliance
13.17	Programming help system	Essential	Vendor to specify compliance
13.18	Program storage capacity	Specify	Vendor to specify compliance
13.19	Communication Ports	Required	Vendor to specify compliance
13.20	✓ USB Port for Pen drive Option	Essential	Vendor to specify compliance
13.21	✓ Through Bluetooth Enabled Device	Required	Vendor to specify compliance
13.22	✓ Network ready with LAN/Ethernet option	Essential	Vendor to specify compliance
13.23	Number of stored programs	unlimited	Vendor to specify compliance
13.24	Ethernet Ports for Monitoring of parameters	Essential	Vendor to specify compliance
13.25	Drive Parameters – Enabled	Essential	Vendor to specify compliance
13.26	Machine Size (Length x Width X Height) – mm	specify	Vendor to specify compliance
13.27	Weight - Kg	Specify	Vendor to specify compliance
13.28	Floor space required	Specify	Vendor to specify compliance
13.29	Total connected power	Specify	Vendor to specify compliance
13.30	Air gun for cleaning workpieces and tools	Required	Vendor to specify compliance
13.31	Coolant Mist/fume/dust Extraction unit	Essential	Vendor to specify compliance
13.32	Coolant nozzles, oil mist nozzles and air nozzles	Essential	Vendor to specify compliance
13.33	Spindle coolant oil	Essential	Vendor to specify compliance
13.34	<b>High Precision Collets for HSK Tool holders</b>		
13.34.1	Dia 1 mm Collet	Essential	Vendor to specify compliance

Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center

13.34.2	Dia 1.5 mm Collet	Essential	Vendor to specify compliance
13.34.3	Dia 2 mm Collet	Essential	Vendor to specify compliance
13.34.4	Dia 2.5 mm Collet	Essential	Vendor to specify compliance
13.34.5	Dia 3 mm Collet	Essential	Vendor to specify compliance
13.34.6	Dia 3.5 mm Collet	Essential	Vendor to specify compliance
13.34.7	Dia 4 mm Collet	Essential	Vendor to specify compliance
13.34.8	Dia 4.5 mm Collet	Essential	Vendor to specify compliance
13.34.9	Dia 5 mm Collet	Essential	Vendor to specify compliance
13.34.10	Dia 5.5 mm Collet	Essential	Vendor to specify compliance
13.34.11	Dia 6 mm Collet	Essential	Vendor to specify compliance
13.34.12	Dia 6.5 mm Collet	Essential	Vendor to specify compliance
13.34.13	Dia 7 mm Collet	Essential	Vendor to specify compliance
13.34.14	Dia 7.5 mm Collet	Essential	Vendor to specify compliance
13.34.15	Dia 8 mm Collet	Essential	Vendor to specify compliance
13.34.16	Dia 8.5 mm Collet	Essential	Vendor to specify compliance
13.34.17	Dia 9 mm Collet	Essential	Vendor to specify compliance
13.34.18	Dia 9.5 mm Collet	Essential	Vendor to specify compliance
13.34.19	Dia 10 mm Collet	Essential	Vendor to specify compliance
<b>14 Graphics</b>			
14.1	Programming with graphic support	Essential	Vendor to specify compliance
14.2	Graphic simulation of toolpath	Essential	Vendor to specify compliance
14.3	Workpiece representation in solid model 3-D view	Essential	Vendor to specify compliance
14.4	Real-time graphics of workpiece machining	Essential	Vendor to specify compliance
14.5	Protection to the system & logic circuits against all interference (electronic, magnetic etc.)	Specify	Vendor to specify compliance
14.6	Save routines after tool breakage or power failure	Specify	Vendor to specify compliance
<b>15 Safety features</b>			

15.1	All safety features to protect machine as per ISO-16090-1/DIN-EN 12417)	Essential	Vendor to specify compliance
15.2	Travel limits (Hard and Soft)	Essential	Vendor to specify compliance
15.3	System lock	Essential	Vendor to specify compliance
15.4	Panel lock	Essential	Vendor to specify compliance
15.5	Emergency stop	Essential	Vendor to specify compliance
15.6	Overload protection for all axes	Essential	Vendor to specify compliance
15.7	Automatic shut off in case of Lubrication failure with warning	Essential	Vendor to specify compliance
15.8	Should have Machine warning lights consisting of Green, Red, Yellow	Essential	Vendor to specify compliance
<b>16 Leveling, Anchoring System &amp; Tools for Erection</b>			
16.1	Complete set of anchoring materials including foundation bolts, nuts, washers, fixators, leveling shoes etc. to fix the machine to the foundation should be supplied. Details to be submitted	Essential	Vendor to specify compliance
<b>17 Documents &amp; Manuals</b>			
<b>17.1 Machine Manuals</b>			
17.1.1	Essential documents all in English, 2 sets Hard Copy	Essential	Vendor to specify compliance
17.1.2	Machine tool : Operating manual	Essential	Vendor to specify compliance
17.1.3	Torque-speed characteristics of spindle motor and feed servomotor	Essential	Vendor to specify compliance
17.1.4	Test chart with measured values	Essential	Vendor to specify compliance
17.1.5	Foundation plan and details (To be supplied in advance before dispatch)	Essential	Vendor to specify compliance
17.1.6	Circuit diagrams of electrical and hydraulic systems	Essential	Vendor to specify compliance
17.1.7	Service & maintenance manuals	Essential	Vendor to specify compliance
17.1.8	Pneumatic connection details & conditions of air supply	Essential	Vendor to specify compliance
17.1.9	Vibration isolation details	Specify	Vendor to specify compliance
17.1.10	Bearing Details of Main Spindle and Main Motor	Essential	Vendor to specify compliance
17.1.11	Any other special	Specify	Vendor to specify

	requirements to be specified		compliance
<b>17.2</b>	<b>Control Manuals</b>		
17.2.1	Operating manuals	Essential	Vendor to specify compliance
17.2.2	Programming manuals	Essential	Vendor to specify compliance
17.2.3	Description of the control interface, circuit diagram of CNC, PLC drive control etc.	Essential	Vendor to specify compliance
17.2.4	Manuals of bought out items incorporated in the system	Essential	Vendor to specify compliance
17.2.5	Installation & Commissioning Manual	Essential	Vendor to specify compliance
17.2.6	PLC Application Programme listing	Essential	Vendor to specify compliance
17.2.7	Drive Installation Manual	Essential	Vendor to specify compliance
17.2.8	Drive Maintenance Manual	Essential	Vendor to specify compliance
<b>18</b>	<b>Electrical</b>		
18.1	415V, 3 phase, 50 Hz, 4 wire supply	Essential	Vendor to specify compliance
18.1.1	a. variations in voltage +/- 10 %	Essential	Vendor to specify compliance
18.1.2	b. Frequency fluctuation of +/- 5 %	Essential	Vendor to specify compliance
	The system must be able to function under the above fluctuations		
<b>19</b>	Hydraulic Oil, Lubrication, coolant, spindle coolant & Grease	First fill of hydraulic oil/Lubrication Oil/Grease to be supplied (Essential)	Vendor to specify compliance
<b>20</b>	Service Support in Bangalore	The manufacturer should ensure availability of trained service engineers in India who can be deputed to attend any service problem within 48 hours on reporting of the same at the site. Service support must be available for <b>10 Years</b>	Vendor to specify compliance
<b>21</b>	Packaging & Forwarding	Essential	Vendor to specify compliance
<b>22</b>	Delivery Period (Date from the Purchase Order Released)	06 Months (Essential)	Vendor to specify compliance
<b>23</b>	Warranty for Machine should be 12 Months & 24 Months for Controllers, Motors, Drives and	Essential	Vendor to specify compliance

	<p>Electrical components. The validity of the warranty should be from the date of acceptance of the machine at CMTI. In case the equipment or system remains non-operational for more than 30 days then the warranty period will be extended for the equivalent period for which the equipment or system remained non-operational. Warranty extension in such case shall be done without prejudice to any other terms and conditions of the contract. During the warranty period, the vendor shall replace defective items/parts of the machine and CNC controller as a whole depending on degree of defect noted, free of cost.</p>		
<b>24</b>	Machine 3D CAD Model (.sldasm or .igs or .step format)	Essential	Vendor to specify compliance
<b>25</b>	<b>After Sales Support</b>		
<b>25.1</b>	After sales support in service and application is a must. Preference will be given to manufacturers who have arrangements in India for service and application support and with stock of spare parts.	Essential	Vendor to specify compliance
<b>25.2</b>	The manufacturer should ensure availability of trained service engineers in India who can be deputed to attend any service problem within 48 hours on reporting of the same. The manufacturer should also agree to enter into AMC after expiry of warranty period in case CMTI desires so.	Essential	Vendor to specify compliance
<b>25.3</b>	The supplier should ensure availability of spares and service throughout the useful life of the machine (min. 10 years).	Essential	Vendor to specify compliance
<b>26</b>	<b>Erection &amp; Commissioning</b>		Vendor to specify compliance
<b>26.1</b>	Vendor to take full responsibility for carrying out the erection, start up, testing	Essential	Vendor to specify compliance

	of machine, it's control system & all types of other supplied equipment, machining of test pieces. Service requirement like power, air, water & Crane will be provided by CMTI.		
26.2	Tools and Equipment required for erection of the machine shall be brought by the vendor	Essential	Vendor to specify compliance
26.3	Test Mandrel for checking Spindle run-out & alignment for installation to be arranged by vendor	Essential	Vendor to specify compliance
26.4	Pneumatic connection details & conditions of air supply	Specify	Vendor to specify
<b>27</b>	<b>Training</b>	<b>Five days training at CMTI premises for 2 Engineers, after commissioning of the machine, will have to be delivered by the Engineers of the supplier.</b>	Vendor to specify compliance
27.1	Training for operation, maintenance and programming.	Essential	Vendor to specify compliance
27.2	Operation of machine & CNC programming, machine maintenance & troubleshooting	Essential	Vendor to specify compliance
<b>28</b>	<b>Pre-Dispatch Inspection</b>	Essential	Vendor to specify compliance
28.1	A pre-dispatch inspection shall be carried out at vendor's premises for a period of <b>Five working days.</b>	Essential	Vendor to specify compliance
28.2	Two Personnel will be deputed for the pre-shipment inspection from CMTI, Bangalore. All component functions will be tested and proved at supplier's premises prior to delivery.	Essential	Vendor to specify compliance
28.3	All the systems functions will be tested and demonstrated to the satisfaction of CMTI, Bangalore as per the technical specification in the tender document.	Essential	Vendor to specify compliance
28.4	Verification of all documentation including operation & maintenance	Essential	Vendor to specify compliance

	manual, as built- technical drawings, QA etc.		
28.5	All the expenses towards PDI for two personnel to be borne by the supplier. The expenses should include Airfare, Local Travel and Lodging the vendor shall extend all the required assistance and testing facilities. The vendor shall notify the readiness of stores at least 15 days prior to delivery schedule.	Essential	Vendor to specify compliance
28.6	to conform to All functionality checks as laid out in the Detailed Specification	Essential	Vendor to specify compliance
28.7	to conform to All Geometrical Accuracy checks as per ISO-10791-2/ISO 230-1	Essential	Vendor to specify compliance
28.8	to conform to Positional Accuracy Checks as per ISO-230-2 as laid out in the Detailed Specification	Essential	Vendor to specify compliance
28.9	The Machine should be able to demonstrate Test Piece Component machining and Accuracies thereof as per ISO-10791-7, M1_80.	Essential	Vendor to specify compliance
28.10	The test piece for proving Component machining and Accuracies thereof as per ISO-10791-7, M1_80 should be taken care by the vendor	Essential	Vendor to specify compliance
<b>29</b>	<b>Final Acceptance Criteria</b>	After installation and commissioning at CMTI	
29.1	Installation and commissioning to be carried out by the supplier at CMTI site for free of cost	Essential	Vendor to specify compliance
29.2	Upon completion of installation & commissioning work at the purchaser premise, the supplier has to again test and prove the machine as per the acceptance test requirement. Purchaser will run the machine in presence of supplier's staff to check for the performance of machine as per the scope of supply.	Essential	Vendor to specify compliance

	The vendor to provide test chart for machine accuracies and same to be demonstrated during the time of commissioning.		
29.3	The Supplier shall arrange all the necessary material handling equipments Crane/forklift and manpower for installation of the machine at the designated site at CMTI at no cost to CMTI	Essential	Vendor to specify compliance
29.4	The foundation work(Civil work/electrical power supply )if any, shall be carried out by CMTII as per the drawing provided by the supplier	Essential	Vendor to specify compliance
29.5	Any Portable equipment, if not available with the customer/ not ordered by the customer, may have to be arranged by the supplier for proving the Acceptance Criteria	Essential	Vendor to specify compliance
29.6	to conform to All functionality checks as laid out in the Detailed Specification	Essential	Vendor to specify compliance
29.7	to conform to All Geometrical Accuracy checks as per ISO-10791-2/ ISO 230-1	Essential	Vendor to specify compliance
29.8	to conform to Positional Accuracy Checks as per ISO-230-2 as laid out in the Detailed Specification	Essential	Vendor to specify compliance
29.9	The Machine should be able to demonstrate Test Piece Component machining and Accuracies thereof as per ISO-10791-7, M1_80	Essential	Vendor to specify compliance
29.10	The test piece for proving Component machining and Accuracies thereof as per ISO-10791-7, M1_80 should be taken care by the vendor	Essential	Vendor to specify compliance
29.11	Verification of all documentation including operation & maintenance manual, as built- technical drawings, QA etc.	Essential	Vendor to specify compliance
<b>30</b>	<b>Quote for Optional Items</b>		
30.1	Stabilizer for the machine	Quote as Option	Vendor to quote separately
30.2	Spares for 2 years of running(List of	Quote as	Vendor to quote separately



	spares to be included)	Option	
30.3	Standard Precision Vices – 02 Nos	Quote as Option	Vendor to quote separately
30.4	Boring Tool set insert type including boring bar with centric cutting edge dia 4 mm to 16 mm– <b>02 Nos</b>		
30.5	Interface for 4 <sup>th</sup> and 5 <sup>th</sup> axis System upgrade for 5 axes	Quote as Option	Vendor to quote separately

## **QUALIFYING CRITERIA**

### **Bid Qualification Criteria For Supply Of CNC High Precision Micromachining center.**

Bidders who are qualifying/meeting following Technical and Financial capabilities are eligible to participate in the bid for supply of CNC High precision micro machining center. Bidder shall furnish all the requirements asked in these criteria with documentary proof and submit along with quotation. Bids of the parties which are not meeting the following criteria will not be considered for evaluation and will be rejected without seeking any further clarifications.

#### **I. Technical Qualification Requirements:**

The bidder should meet the following technical qualifying requirements and shall submit relevant certificates to establish his credentials.

1. The bidder should meet all the technical specifications to qualify the bid. The bidder has to furnish the values/units/parameters against each CMTI requirement in the compliance sheet. Offer without this information will be rejected without any further reference.
2. The bidder has to submit all necessary technical information documents/data sheets & compliance sheet as per the technical specifications.
3. The bidder has to sign and stamp (company seal) on all the pages of technical compliance sheet.
4. The bidder should be an organization with experience in having executed contracts for design, engineering, manufacture, supply, testing and commissioning of CNC High precision micromachining center.
5. The Machine has to be the proven product of Bidder and is not a first time development. The Machine is preferably a Catalogue product of the Bidder.
6. The same/similar machine should have been supplied by the vendor in past five years (As per Technical specification) of **same or better accuracy**. The firm should have successfully completed Design, Manufacture, Installation, Testing and Commissioning of Micro machining center during last 5 years anywhere in India.
7. The bidder should submit a list of these installations giving the date of supply and contact details along with the quote, so that CMTI engineers may visit these installations and evaluate the system as part of tender evaluation. Offer without this information will be rejected without any further reference.
8. The Bidder should comply with, Laser Position Accuracy requirement as per Annexure I - Section 7.1, Geometrical Accuracy requirement as per Annexure I -Section 7.2, Bi-directional circular deviation using Ball Bar test requirement, as per Annexure I -Section 7.3.
9. Bidder to submit Laser Positioning accuracy report, Geometrical test report and Ball bar test report of the same/similar machine already supplied anywhere in India for the last 5 years.
10. The Laser Positioning Tests, Geometrical accuracy tests and Ball bar test are to be conducted in an ambient temperature of 20 °C ±2° C.
11. Bidder shall furnish the details of their factory like manpower, machinery, quality system etc. to assess their capability.
12. Merely stating, "comply" does not constitute sufficient information. Exact numerical values are to be specified wherever applicable. Specified technical data should be supported by product catalogues, manuals, test procedures, and test plots etc. In case of

- Bidding Document for Supply, Installation & Commissioning of CNC High Precision Micro machining center
- insufficient technical data, the quote will be summarily rejected without seeking any clarifications.
13. Seaworthy/roadworthy packing of machine and its accessories is under scope of the supplier.
  14. The supplier shall bear the cost of packing, FOB/forwarding charges, freight charges etc.
  15. The machine shall have standard warranty for a period of minimum 12 months from the date of machine acceptance at CMTI and 24 months for controllers, motors, drives and electrical components months from the date of machine acceptance at CMTI.
  16. After sales service shall be provided by the party for a minimum period of 10 years from date of machine acceptance.
  17. The supplier shall deliver and commission the machine at CMTI site within **6 months** from the date of release of purchase order.
  18. Please note that the "BID" without above mentioned documents/information in support of the eligibility criteria will be summarily rejected.

## **II. Bid Selection Procedure and Process of BID Qualification**

Step - 1: Short listing based on documents submitted, satisfying the all-eligibility criteria given above by the firm or individual along with their Bid / application. (Non- submission of any document as given in above list within stipulated time leads to rejection of Bid)

Step - 2: Subsequently Bidder's competency, their technical achievements will be evaluated suitable for his project. Feedbacks from Bidder's clients will be verified.

Step - 3: If required, Visit will be made to their factory/ firm by technical team (CMTI or third party) for accessing the capability of manufacturer.

Step - 4: Mean while technical Bids will be opened and scrutinized for meeting all technical specification and supply conditions.

***CMTI reserves right to verify the information / data furnished by Bidder. If the same is found as fault or with any deviation the bid will be rejected.***

***Only those Bidders who are found suitable & meeting all the above qualification Criteria/requirements will qualify for opening the Price Bids for evaluation.***

## **Annexure III: Acceptance Criteria**

The machine shall be tested for its functionality and performance at both Vendors premises and at CMTI as per our technical specifications for all the parameters and also detailed specifications given in the supplier data sheets.

<b>1</b>	Should meet all the technical specifications mentioned in Annexure-I.	Essential	Compliance Yes/No	
<b>2</b>	<b>Pre Dispatch Inspection:</b>	Essential	Compliance Yes/No	
<b>2.1</b>	A pre-dispatch inspection shall be carried out at vendor's premises for a period of <b>Five working days</b> .	Essential	Compliance Yes/No	
<b>2.2</b>	Two Personnel will be deputed for the pre-shipment inspection from CMTI, Bangalore. All component functions will be tested and proved at supplier's premises prior to delivery.	Essential	Compliance Yes/No	
<b>2.3</b>	All the systems functions will be tested and demonstrated to the satisfaction of CMTI, Bangalore as per the technical specification in the tender document.	Essential	Compliance Yes/No	
<b>2.4</b>	Verification of all documentation including operation & maintenance manual, as built- technical drawings, QA etc.	Essential	Compliance Yes/No	
<b>2.5</b>	All the expenses towards PDI for two personnel to be borne by the supplier. The expenses should include Airfare, Local Travel and Lodging the vendor shall extend all the required assistance and testing facilities. The vendor shall notify the readiness of stores at least 15 days prior to delivery schedule.	Essential	Compliance Yes/No	
<b>2.6</b>	To conform to All functionality checks as laid out in the Detailed Specification.	Essential	Compliance Yes/No	
<b>2.7</b>	To conform to All Geometrical Accuracy checks as per ISO-10791-2/ ISO 230-1 for micromachining center machine.	Essential	Compliance Yes/No	
<b>2.8</b>	To conform to Positional Accuracy Checks as per ISO-230-2 as laid out in the Detailed Specification.	Essential	Compliance Yes/No	
<b>2.9</b>	To conform to Ball Bar Circular test as given in the Detailed Specification.	Essential	Compliance Yes/No	
<b>2.10</b>	The Machine should be able to demonstrate Test Piece Component machining and Accuracies mentioned in serial No.7.5 as per ISO-10791-7, M1_80.	Essential	Compliance Yes/No	
<b>2.11</b>	Machining tests will be carried out on test piece components and the accuracies should comply as mentioned in the serial No. 7.5.2 to 7.5.6	Essential	Compliance Yes/No	

<b>2.12</b>	Micro drilling capability using <b>dia 0.03 mm</b> drill on metal to be demonstrated.	Essential	Compliance Yes/No	
<b>2.13</b>	Micro milling capability using <b>dia 0.05 mm</b> end mill on metal to be demonstrated.	Essential	Compliance Yes/No	
<b>2.14</b>	Micromachining tests to be conducted on hardened steel test piece. Hardness up to 60 HRc.	Essential	Compliance Yes/No	
<b>3</b>	<b>Installation, Commissioning and Acceptance test</b>	Essential	Compliance Yes/No	
<b>3.1</b>	Installation and commissioning to be carried out by the supplier at CMTI site for free of cost.	Essential	Compliance Yes/No	
<b>3.2</b>	Upon completion of installation & commissioning work at the purchaser premise, the supplier has to again test and prove the machine as per the acceptance test requirement. Purchaser will run the machine in presence of supplier's staff to check for the performance of machine as per the scope of supply. The vendor to provide test chart for machine accuracies and same to be demonstrated during the time of commissioning.	Essential	Compliance Yes/No	
<b>3.3</b>	The Supplier shall arrange all the necessary material handling equipments Crane/forklift and manpower for installation of the machine at the designated site at CMTI at no cost to CMTI.	Essential	Compliance Yes/No	
<b>3.4</b>	The foundation work(Civil work/electrical power supply)if any, shall be carried out by CMTI as per the drawing provided by the supplier.	Essential	Compliance Yes/No	
<b>3.5</b>	Any Portable equipment, if not available with the customer/ not ordered by the customer, may have to be arranged by the supplier for proving the Acceptance Criteria.	Essential	Compliance Yes/No	
<b>3.6</b>	To conform to All functionality checks as laid out in the Detailed Specification.	Essential	Compliance Yes/No	
<b>3.7</b>	To conform to All Geometrical Accuracy checks as per ISO-10791-2/ ISO 230-1 for micromachining center machine.	Essential	Compliance Yes/No	
<b>3.8</b>	To conform to Positional Accuracy Checks as per ISO-230-2 as laid out in the Detailed Specification.	Essential	Compliance Yes/No	
<b>3.9</b>	To conform to Ball Bar Circular test as given in the Detailed Specification.	Essential	Compliance Yes/No	
<b>3.10</b>	The Machine should be able to demonstrate Test Piece Component machining and Accuracies mentioned in	Essential	Compliance Yes/No	

	serial No.7.5 as per ISO-10791-7, M_80.			
<b>3.11</b>	Machining tests will be carried out on test piece components and the accuracies should comply as mentioned in the serial No. 7.5.2 to 7.5.6.	Essential	Compliance Yes/No	
<b>3.12</b>	Micro drilling capability using <b>dia 0.03 mm drill</b> on metal to be demonstrated.	Essential	Compliance Yes/No	
<b>3.13</b>	Micro milling capability using <b>dia 0.05 mm end mill</b> on metal to be demonstrated.	Essential	Compliance Yes/No	
<b>3.14</b>	Micromachining tests to be conducted on hardened steel test piece. Hardness upto 60 HRc.	Essential	Compliance Yes/No	
<b>4</b>	<b>Training:</b> Five days training at CMTI premises, after commissioning of the machine, will have to be provided by the Engineers of the supplier. Training should include operation, maintenance and programming, safety aspects at free of cost.	Essential	Compliance Yes/No	
<b>5</b>	Two sets of the following technical documentation in 'English' shall have to be supplied along with the machine:			
	• Instruction/ Operational manual	Essential	Compliance Yes/No	
	• Spare parts manual	Essential	Compliance Yes/No	
	• Maintenance manual for mechanical, electrical/electronic systems.	Essential	Compliance Yes/No	
	• Electrical wiring diagrams.	Essential	Compliance Yes/No	
	• Preventive maintenance check list, troubleshooting charts and guidelines.	Essential	Compliance Yes/No	

**Note:**

- 1 The machine will be finally accepted based on the compliance of the machine with the Acceptance Criteria. The final Acceptance Criteria will be based on mutual agreement and will be finalized at the time of placing the order. Hence, the bidder has to go through the Acceptance Criteria and convey their acceptance unambiguously. They may also suggest a suitable method of verification if the proposed method is not acceptable to the bidder.

**CHAPTER - 5**

**CONTRACT FORM**

Contract No. \_\_\_\_\_ Date: \_\_\_\_\_

THIS CONTRACT AGREEMENT is made  
the [ ] day of [ ] month of, [ ] year

BETWEEN

The Central Manufacturing Technology Institute (CMTI), a registered Government of India Society under the administrative control of the Ministry of Heavy Industry and Public Enterprises, Government of India having its registered office at Tumakuru Road, Bengaluru - 560022, Karnataka, India represented by [Insert complete name and address of Purchaser (hereinafter called "the Purchaser"), and

[Insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (herein after called "the Supplier").

WHEREAS the Purchaser invited Bids for certain Goods and ancillary Services, viz., [insert brief description of Goods and Services] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency(ies)] (herein after called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
  - (a) This Contract Agreement
  - (b) Special Conditions of Contract
  - (c) General Conditions of Contract
  - (d) Technical Requirements (including Schedule of Requirements and Technical specifications)
  - (e) The Supplier's Bid and original Price Schedules
  - (f) The Purchaser's Notification of Award
  - (g) [Add here any other document(s)]
- 3 This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
- 4 In consideration of the payments to be made by the Purchaser to the Supplier as here in after mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein inconformity in all respects with the provisions of the Contract.
- 5 The Purchaser here by covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such

other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS where of the parties here to have caused this Agreement to be executed in accordance with the laws of Union of India on the day, month and year indicated above.

For and on behalf of the Central Manufacturing Technology Institute

Signed: [insert signature]

In the capacity of [insert title or other appropriate designation] in

the presence of [insert identification of official witness]

Signed: [insert signature]

in the capacity of [insert title or other appropriate designation]

in the presence of [insert identification of official witness]

For and on behalf of the Supplier

Signed: [insert signature of authorized representative(s) of the Supplier] in the capacity of [insert title or other appropriate designation] in the presence of [insert identification of official witness]



**CHAPTER - 6**

**OTHER STANDARD FORM**

**Table of Contents**

<b>SL. No.</b>	<b>Name</b>
1.	Integrity Pact
2.	Bidder Information form
3.	Bid Security Form
4.	Performance Statement Form
5.	Deviation Statement form
6.	Bid form
7.	Performance Security Form
8.	Acceptance certificate form
9.	Eligibility certificate form
10.	Non Black-listed Self certificate form

**INTEGRITY PACT**

**Tender Ref. No.&Date:.....**

1. This Integrity pact Agreement is made at..... on this.....day of..... .....20.....  
BETWEEN **Central Manufacturing Technology Institute(CMTI)** represented by its **Purchase Officer/ Executive Engineer/ Chief Administrative Officer**, Hereinafter referred as the Buyer/ Owner, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns) AND **M/s .....** hereinafter referred to as the (Details of duly authorized signatory) “Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

**2. Preamble**

WHEREAS the Owner/ Buyer has floated the Tender under organizational procedures (hereinafter referred to as “Tender/Bid”) and intends to procure/ award contract for..... hereinafter referred to as the Goods/ Services/ works/ Contract. AND WHEREAS the Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s). AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties. NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

**3. Commitment of the Buyer/ Owner**

3.1 The Buyer/ Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

- a. No employee of the Buyer/ Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Buyer/ Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Buyer/ Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
- c. The Buyer/ Owner shall endeavour to exclude from the Tender process all known prejudiced persons or any person, whose conduct in the past has been of biased nature.

3.2 If the Buyer/ Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or if there be a substantive suspicion in this regard, the Buyer/ Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**4. Commitment of the Bidder(s)/ seller(s)/ Contractor(s)**

4.1 It is required that each Bidder/Contractor (including their respective officers, employees and

agents) adhere to the highest ethical standards, and report to CMTI all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

- 4.2 The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution.
- a. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Buyer/ Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b. The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
  - c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act Indian Legislation, Prevention of Corruption Act 1988 as amended from time to time. Further the Bidder(s)/ Contract(s) will not use improperly, for the purpose of competition or personal gain, or pass on to others, any information or documents provided by the Buyer/ Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign principals/ agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
  - e. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
  - f. The Bidder(s)/Contractor(s) have not sold and will not sell the same material/equipment at prices lower than the bid price.
- 4.3 The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4.4 The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice (means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of CMTI's t interests).
- 4.5 The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).
- 4.6 The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in

conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.

- a. The Buyer/ Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- b. The Buyer/ Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Buyer/ Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process

#### **5. Previous Transgression**

- a. The Bidder declares that no previous transgressions occurred in the last 3 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process. The date of such transgression, for the purpose of disclosure by bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The Transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
- b. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Buyer/ Owner.
- c. If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Buyer/ Owner may, at its own discretion, revoke the exclusion prematurely.

#### **6. Consequences of Breach**

Without prejudice to any rights that may be available to the Buyer/ Owner under law or the Contract or its established policies and laid down procedures, the Buyer/ Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Buyer/ Owner's absolute right:

- a. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Clause 4 & Clause 5 above, or in any other form such as to put his reliability or credibility in question, the Buyer/ Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Buyer/ Owner. Such exclusion may be forever or for a limited period as decided by the Buyer/ Owner.
- b. Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Buyer/ Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- c. Criminal Liability: If the Buyer/ Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Buyer/ Owner has

substantive suspicion in this regard, the Buyer/ Owner will inform the same to law enforcing agencies for further investigation.

**7. Compensation for Damages**

- a. If the Buyer/ Owner has disqualified the Bidder(s) / Seller(s) from the tender process prior to the award according to Clause 8, the Buyer/ Owner is entitled to demand and recover the damages equivalent to Earnest Money Deposit in case of open tendering.
- b. If the Buyer/ Owner has terminated the contract according to Clause 6, or if the Buyer/ Owner is entitled to terminate the contract according to Clause 6, the Buyer/ Owner shall be entitled to encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the Bidder(s)/Seller(s), in order to recover the payments, already made by the Buyer/ Owner for undelivered Goods and / or Services and / or Works.
- c. The Bidder(s)/Seller(s) shall also be liable to refund to the Buyer/ Owner, the Agency Commission / payments made by the Seller(s) / Bidder(s) along with interest at the rate of 2% per annum above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and Base Rate of SBI (State Bank of India) plus 2% (for Indian vendors).

**8. Independent External Monitor(s)**

- a. The Buyer/ Owner has appointed Independent External Monitor(s) for this Integrity Pact after approval by the Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- b. For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- c. The IEM is not subject to instructions by the representatives of the parties and performs his/ her functions neutrally and independently. The IEM would be provided access to all documents/ records pertaining to the contract for which a complaint or issue is raised before them, as and when warranted. However, the documents/ records/ information having national Security Implications and those documents which have been classified as Secret/ Top Secret are not to be disclosed. He/ she reports to the Director, CMTI.
- d. If any complaint with regard to violation of the IP is received by the Buyer/ Owner in a procurement case, the Buyer/ Owner shall refer the complaint to the Independent External Monitor(s) for their report. Contact details of IEMs are given in the bid/ tender documents as well as in the website of CMTI <https://cmti.res.in>
- e. The Bidder(s)/Contractor(s) accepts that the IEM has the right to access without restriction to all Project documentation of the Buyer/ Owner including that provided by the Contractor. The Contractor will also grant the IEM, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
- f. The IEM is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Sub-contractor(s) with confidentiality. The IEM has also signed declarations on 'Non-Disclosure of Confidential Information' and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Director, CMTI and recuse himself / herself from that case.
- g. The Buyer/ Owner will provide to the IEM sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Buyer/ Owner and the Contractor. The parties offer to the IEM the option to participate in such meetings.

- h. As soon as the IEM notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Buyer/ Owner and request the Management to discontinue or take corrective action, or to take other relevant action. The IEM can in this regard submit non-binding recommendations. Beyond this, the IEM has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- i. The IEM will submit a written report to the Director, CMTI, within 4 weeks from the date of reference or intimation to him by the Buyer/ Owner and, should the occasion arise, submit proposals for correcting problematic situations
- j. If the IEM has reported to the Director, CMTI, a substantiated suspicion of an offence under relevant IPC/ PC Act, and the Director, CMTI has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the IEM may also transmit this information directly to the Central Vigilance Commissioner.
- k. The word 'Monitor' would include both singular and plural.

#### **9. Duration of the Pact**

- a. This Pact will be effective from the date of issue of tender (NIT).It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other unsuccessful bidders, within 6 months from date of placement of order / finalization of contract against this tender till the Contract has been awarded.
- b. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Director, CMTI.
- c. Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

#### **10. Other Provisions**

- a. Changes and supplements need to be made in writing. Side agreements have not been made.
- b. After award of work, the IEMs shall look into any issues relating to execution of contract, if specifically raised before them.
- c. The Bidder(s)/Seller(s) signing this IP shall not initiate any Legal action or approach any court of law during the examination of any allegations/complaint by IEM and until the IEM delivers the report.
- d. In the event of any dispute between the management and the Bidder(s)/Seller(s), relating to those contracts where Integrity Pact is applicable, the same will be settled through mediation before the panel of IEMs within 4 weeks. In case the dispute remains unsolved even after mediation by the panel of IEMs, CMTI will take further action as per the terms and conditions of the contract in respect of dispute resolution/ arbitration.
- e. Nothing contained in this Integrity Pact shall be deemed to assure the Bidder(s)/ Seller(s) of any success or otherwise in the tendering process.
- f. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- g. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

- h. This Integrity pact is subject to Indian Laws, and exclusive Jurisdiction of Courts at Bangalore, India.
- i. The Parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_ (Bidder(s)/contractor) and at \_\_\_\_\_ on \_\_\_\_\_ (Buyer/ Owner)

**11. LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following

Witnesses:

(For and on behalf of Buyer/ Owner)                      (For and on behalf of Bidder/Contractor)

WITNESSES: 1.....  
(signature, name and address)

2.....  
(signature, name and address)

Place:

Date:

**BIDDER'S INFORMATION FORM**

- a) [The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done of the letter head of the firm]

Date: [insert date (as day, month and year) of Bid Submission] Tender No.: [insert number from Invitation for Bids]

Page 1 of \_\_\_\_ pages

1. Bidder's Legal Name [insert Bidder's legal name]
2. In case of JV, legal name of each party: [insert legal name of each party in JV]
3. Bidder's actual or intended Country of Registration: [insert actual or intended Country of Registration]
4. Bidder's Year of Registration: [insert Bidder's year of registration]
5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
6. Bidder's Authorized Representative Information Name: [insert Authorized Representative's name] Address: [insert Authorized Representative's Address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address]
7. Attached are copies of original documents of: [check the box(es) of the attached original documents] Articles of Incorporation or Registration of firm named in 1, above.

Signature of Bidder Name

Business Address



**BID SECURITY FORM**

Whereas (hereinafter called the tenderer") has submitted their offer dated for the supply of (Hereinafter called the tender")

Against the Purchaser's tender enquiry no. .... Know all men by these Presents that we \_\_\_\_\_ of \_\_\_\_\_ having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the "Purchaser" )

In the sum of \_\_\_\_\_

For which payment will 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 20

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the Tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:
  - (a) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
  - (b) Fails or refuses to accept/execute the contract.

WE undertake to pay 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 it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date. \_\_\_\_\_

(Signature of the authorized officer of the Bank)

Name and designation of the officer Seal, name & address of the Bank and address of the Branch

**PERFORMANCE STATEMENT FORM (For a Period of last 3 years)**

Name of the Firm:

Order placed by (full address of purchaser)	Order No and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been installed Satisfactory? (Attach a certificate from the purchaser/consignee)	Contact person along with telephone No: Fax No: And e-mail address

Signature and Seal of the Manufacturer/Bidder\_\_\_\_\_

Place:

Date:

**DEVIATION STATEMENT FORM**

**The following are the particulars of deviations from the requirements of the tender specifications:**

CLAUSE DEVIATION REMARKS (INCLUDING JUSTIFICATION)

Place:

Date:

Signature and seal of the  
Manufacturer/Bidder

NOTE:

1. Where there is no deviation, the statement should be returned duly signed with an endorsement indicating "No Deviations".

**BID FORM**

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation for Bids]

Invitation for Bid No.: [insert No of IFB]

To: [insert complete name of Purchaser]

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: [insert the number and issuing date of each Addenda];
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules Specified in the Schedule of requirements the following Goods and Related Services [insert a brief description of the Goods and Related Services];
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: [insert the total bid price in words and figures, indicating the various amounts and the respective currencies];
- (d) The discounts offered and the methodologies for their application are:  
**Discounts.** If our bid is accepted, the following discounts shall apply. [Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 1.16.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a Performance Security in accordance with ITB Clause 1.38 and GCC Clause 2.13 for the due performance of the Contract;
- (g) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: [insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]

Name of Recipient	Address	Reason	Amount
-------------------	---------	--------	--------

(If none has been paid or is to be paid, indicate "none.")

- (h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: [insert signature of person whose name and capacity are shown]

In the capacity of [insert legal capacity of person signing the Bid Submission Form]

Name: [insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_

\_\_\_\_\_ [Insert date of signing]

**PERFORMANCE SECURITY FORM**

To:\_\_\_(Name of Purchaser)

WHEREAS.....(Name of Supplier) hereinafter called "the Supplier" has undertaken, in  
pursuance of ContractNo..... dated, 20.....to supply (Description of  
Goods and Services) hereinafter called "the  
order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a  
Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the  
Supplier's performance obligations in accordance with the order

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 order and without cavil or  
argument, any sum or sums within the limit 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.....20.

Signature and Seal of Guarantors

Date .....20

Address:

All correspondence with reference to this guarantee shall be made at the following address:

(Name & address of the Purchaser)

**ACCEPTANCE CERTIFICATE FORM**

No.

Dated:

M/s

Sub: Certificate of commissioning of equipment

1. This is to certify that the equipment as detailed below has/have been received in good condition along with all the Standard and special accessories (subject to remarks in Para 2). The same has been installed and commissioned.

(a) Contract No. \_\_\_\_\_ Date \_\_\_\_\_

(b) Description of the equipment \_\_\_\_\_

(c) Name of the consignee \_\_\_\_\_

(d) Scheduled date of delivery of the consignment to the Institute \_\_\_\_\_

(e) Actual date of receipt of consignment by the Institute \_\_\_\_\_

(f) \_\_\_\_\_ Scheduled date for completion of installation/commissioning \_\_\_\_\_

(g) Actual date of completion of installation/commissioning \_\_\_\_\_

(h) Penalty for late delivery Rs. \_\_\_\_\_

(i) Penalty for late installation at Institute Rs. \_\_\_\_\_

2. Details of accessories/items not yet supplied and recoveries to be made on that account: SI. No. Description Amount to be recovered

3. The acceptance test has been done to our entire satisfaction. The Supplier has fulfilled his contractual obligations satisfactorily or The Supplier has failed to fulfill his contractual obligations with regard to the following:

(a) \_\_\_\_\_

(b) \_\_\_\_\_

(c) \_\_\_\_\_

(d) \_\_\_\_\_

The amount of recovery on account of failure of the Supplier to meet his contractual obligations is as indicated above.

For supplier signature \_\_\_\_\_ Name \_\_\_\_\_ Designation \_\_\_\_\_ Name of Firm \_\_\_\_\_ Date \_\_\_\_\_

For purchase signature \_\_\_\_\_ Name \_\_\_\_\_ Designation \_\_\_\_\_ Name of the Institute \_\_\_\_\_ Date \_\_\_\_\_

**ELIGIBILITY CERTIFICATE FORM**

[To be provided on the letter head of the Bidder and should be signed by a person with the proper authority to sign documents that are binding on the Bidder]

This is to certify that we are not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting Services for the preparation of the design, specifications, and other documents to be used for the procurement of the Goods to be purchased under this Invitation of Bids/Tender No. \_\_\_\_\_ Dated \_\_\_\_\_

Authorized Signatory

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

**NON-BLACK LISTED SELF CERTIFICATION FORM**

[To be provided on the letter head of the Bidder and should be signed by a person with the proper authority to sign documents that are binding on the Bidder]

This is to certify that M/s. \_\_\_\_\_ [Name of Bidder] has not been blacklisted by any Indian Central/ State Government Department / any other Purchasing authority /organization in last 3 years.

Authorized Signatory

Name: \_\_\_\_\_

Designation: \_\_\_\_\_