



**INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG**  
**Parjang, Dist – Dhenkanal, Odisha – 759146, India**

**Tender Notification No.: IGIT/Met/256**

**Dated: 08-12-2022**

**NOTICE INVITING TENDER**

Sealed tenders in two-cover system (Technical and Price Bid) are invited from reputed Original Equipment Manufacturers (OEM) / Authorized Dealers / Suppliers with valid TIN/SRIN., up-to-date valid GST /Income Tax clearance certificate for **“Supply, Installation and Commissioning of Equipment for different Laboratory of the Department of Metallurgical and Materials Engineering”** of the Institute, details of which are available in the tender papers. The last date of submission of tender is **30.12.2022 (up to 3:00 PM)** and will be opened on the same day at **3:30PM**. The sealed tenders will be received by Speed Post/Registered Post only. The authority will not be responsible for any postal delay. No hand delivery will be accepted. Tender received after the scheduled date and time will not be considered. The tender bid documents with details of Terms and Conditions are to be downloaded from the Institute web site: **www.igitsarang.ac.in**.

The authority reserves the right to reject/ cancel the tenders in whole or in part without assigning any reason thereof.

EMD amount: as per the 1% of the total cost of the equipment quoted.


Last Date of Submission of filled Tender Paper: 30.12.2022 at 3:00 PM.

Address for submission of Tender: The Principal, Indira Gandhi Institute of Technology, Sarang, Parjang, Dist. - Dhenkanal, Odisha, India - 759 146

With Kind Attention to: Dr.P.K.Mallik, Associate Prof., Metallurgical & Materials Engg.

Date of opening of Technical Bid: 30-12-2022 at 3:30 PM.

Date of opening of Price Bid: 30-12-2022 at 4:30 PM., Technically and commercially qualified bidders will be intimated later.

  
Director 08/12/2022

I.G.I.T. Sarang  
Director  
Indira Gandhi Institute of Technology  
Sarang, Dist. Dhenkanal

Copy to:

1. Institute notice board/website.
2. Account officer for information.
3. Registrar for information.
4. Dr.Gaurave Ghosh officer I/C the institute website a request to publish the notice along details tender document in the institute website.

## **INSTRUCTIONS TO BIDDER**

The bidder should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/Undertakings/public sectors with contact details. The details of the agency/profile should be furnished along with the copy of all related documents.

**Bids should be divided into two covers:**

### **Cover 1:**

Cover 1 should contain the following:

- i) EMD by Demand Draft / Banker's Cheque in favour of "The Principal, IGIT, Sarang" payable at SBI, IGIT, Saranga (Code: 10246) should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected.
- ii) Technical pamphlets
- iii) Detailed technical specifications
- iv) The agency should furnish copy of license certificate for manufacture/supply of the item.
- v) The agency should furnish Income Tax PAN number
- vi) Warranty period offered for the tendered item to be specified. If the warranty period is not conforming to the schedule of requirements given in the bid document, the bid is liable to be treated as non-responsive and rejected.
- vii) Duly filled up technical questionnaire, if any
- viii) Duly filled up deviation schedules to technical specification
- ix) Copy of orders completed during the last five years along with the list of customers.
- x) If the prices are revealed in the cover 1, the offer will be summarily rejected
- xi) Commitment for quick service in case of any breakdown.
- xii) List of spares and consumables to be supplied
- xiii) Details about service centres and number of service engineers available in each centre in India.

The cover 1 shall be super scribed as "Technical Bid" duly indicating the Tender reference No. and the due date of opening.

### **Cover 2:**

Cover 2 should contain the following:

Cover 2 shall contain Price only and shall be super scribed as "Price Bid" duly indicating the Tender Reference No. and the due date of opening.

Each Cover shall be sent in a double sealed cover. The inner covers (Cover 1 and Cover 2) should be sealed individually with the seller's distinctive seal and super scribed with the tender reference no. and due date of opening. Both the inner covers shall be placed in a common outer cover which shall also be sealed with seller's distinctive seal and super scribed with the tender reference no. and due date of opening.

Mention "Kind Attention: Dr.P.K.Mallik,. Associate Prof., Metallurgical & Materials Engg.", and submit at the address given in the Notice Inviting Tender.

Cover 1 will be opened on the scheduled date and time mentioned in the tender enquiry.

Cover 2 of the technically and commercially **qualified bidders** alone will be opened on a date **which will be intimated later to those bidders only.**

## **GENERAL TERMS & CONDITIONS OF CONTRACT OF TOOLS & EQUIPMENTS**

### **1. Eligible Equipments and Services**

- 1.1 The Bidders shall quote the articles of reputed make as enclosed (in Annexure-I) (as per list of equipments for different categories enclosed in this tender document), with their brand names as per the Bid technical specifications and may quote alternative standards in the Bid. The articles quoted should have adequate service facilities.

### **2. Documents Establishing Bidder's Eligibility & Qualification**

- 2.1 The Bidder shall furnish as part of the Bid the following Documents establishing Bidder's eligibility and qualification to perform the contract, to the Purchaser's satisfaction.
  - a) That the Bidder, who is not a manufacturer / producer, has been duly authorized by the manufacturer/ producer to supply the equipments.
  - b) That the Bidder (in case of manufacturers) has financial, technical and production capacity necessary to perform the contract.
  - c) That the Bidders (in case or registered suppliers) have executed supply of such items as mentioned in Schedule of Requirement of equipments to different Govt. Organizations/Institutes.
  - d) Copies of valid GST/STCC and ITCC/Non-Assessment Certificates shall be furnished by the Bidder and the originals of the above certificates shall be produced to the purchaser before placement of notification of award.

### **3. Documents Establishing Equipments Eligibility**

- 3.1. The equipments offered against the schedule of requirement of equipments should be in accordance with the stipulated specifications.
- 3.2. The documentary evidence may be in the form of literature, pamphlets, manuals, drawing, circuit diagram etc. and shall furnish:
  - a) Detailed description of equipments with essential technical and performance characteristics.
  - b) A list giving full particulars, including available source and current price of spare parts, special tools etc. necessary for proper and continuing function of the equipments for a period of two years following the commencement of the use of the equipments by the Purchaser.

### **4. Bid Price**

- 4.1 The Bidder shall quote their lowest possible price (in Annexure-I) (as per list of equipments for different categories enclosed in this tender document) & prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to any variation.
- 4.2 The contract price shall include the cost of the equipments, Charges towards Packing, forwarding, handling, insurance, freight, incidental service,

installation & commissioning of the equipments and training to the consignee's personnel at site.

- 4.3 The Bidder shall furnish the breakup of cost as follows solely for the purpose of facilitating the comparison of Bids only. The price must be stated separately for each item. (Annexure-I)
- a) Ex-Factory/ Ex-Warehouse/ Ex-Showroom/ off the self-price.
  - b) Packing, Forwarding and Handling charges
  - c) Insurance charges
  - d) Freight up to destination Institution.
  - e) Erection, Assembly, commissioning, incidental service, including testing, training charges
  - f) Tax component (i.e. Excise Duty, Sales Tax, GST other levies) payable by the Consignee.
  - g) Delivery cost at site (including Tax Component).

## **5. Bid Security Deposit:**

- 5.1 All bids must be accompanied by the Bid Security (EMD) **of 1% of the total cost of the equipments quoted**, in shape of Demand Draft only drawn in favour of "**Principal, Indira Gandhi Institute of Technology, Sarang**" payable at **SBI, IGIT, Sarang (Code: 10246)** enclosed in sealed envelope, failing which the tender will be rejected.
- 5.2 The bid security is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture.
- 5.3 Unsuccessful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser.
- 5.4 The successful Bidder's bid security will be discharged upon the Bidder signing the contract and furnishing the performance security.
- 5.5 The bid security may be forfeited if a Bidder withdraws its bid during the period of bid validity and in the case of a successful Bidder, if the Bidder fails to furnish performance security in accordance with the terms given in the tender documents.

## **6. Performance Security**

- 6.1 Performance Security of nil of the contract value in terms of Bank guarantee of any scheduled banks shall be given by the successful bidder for the total period up to three months beyond the warranty period. The Performance Security form is enclosed in Annexure-II of the Bid Document.
- 6.2 The EMD shall be released after receipt of performance security from successful bidder.

## **7. Delivery of Equipments**

7.1 The delivery of equipments shall be made by the supplier in accordance to the order placed/ Notification of Award to the Consignee as shall be detailed in the Schedule of Requirement of equipments.

## **8. Inspection/ Test**

8.1 The Purchaser or his representative shall have the right to inspect/examine/ test the equipments in conformity to contract awarded.

8.2 The inspection/examination/ test may be conducted in the premises of the Supplier or at the equipments final destination at the premises of the consignee, as will be decided by the Purchaser.

8.3 The purchaser's right to inspect/ examine/test & where necessary to reject the equipments after the equipments arrival at the final destination, shall in no way be limited or waived by the reason of the equipments having been inspected and tested by the manufacturer previously.

8.4 In case of any inspected/ tested equipments fail to confirm to the specification/ working condition, the purchaser may reject them and the supplier shall replace/ repair the same free of cost to the purchaser.

## **9. Payment Terms**

9.1 No advance payment is allowed by the Purchaser to the supplier for any deal.

9.2 The standard payment terms (subject to recoveries, if any) upon submission of required documents shall be as follows: Full 100% payment shall be made after check/inspection/verification/successful test & demonstration/installation and commissioning/satisfactory training and final receipt and acceptance of equipments by the consignee.

In case of imports, the payment will be made through LC / Foreign DD and performance security need to be submitted before LC commitment (if applicable).

## **10. Guarantee / Warranty for supply of Equipments.**

10.1 The Supplier warrants that the equipments supplied under the contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract. The Supplier further warrants that the equipments supplied under this contract shall have not defect arising from design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied equipments in the conditions obtaining in the area of final destination.

10.2 Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective equipments or parts thereof, without costs to the Purchaser.

10.3 If the Supplier, having been notified, fails to remedy the defect(s) within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary at the supplier's risk and expense and without prejudice to any

other rights which the purchaser may have against the supplier under the contract.

## **11. Packing**

11.1 The Supplier shall provide such packing of the equipments as is required to prevent their damage or deterioration during transit to their final destination. 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 equipments, final destination and the absence of suitable handling facilities at all points in transit.

## **12. Insurance**

12.1 The Purchaser will not pay separately for transit Insurance. The supplier is completely responsible for delivery of equipments in perfect condition and shall replace/ rectify the missing / defective parts if any at his own cost.

12.2 The equipments to be supplied under the Contract shall be fully insured (110% of the Ex-Factory/ Ex-shop value of the equipments) against loss or damage incidental to manufacture or acquisition, transportation, storage & delivery of the equipments from Warehouse / Factory / Ex-shop of the supplier to the delivery on "All Risk" basis including war Risks and Strike clauses.

## **13. Transportation.**

13.1 The Supplier shall be required to meet all transport and storage expenses until delivery of the equipments covered in the contract to the Consignee.

## **14. Incidental Services**

14.1 The Supplier shall be required to provide any or all of the following services:  
(The cost shall be included in the Contract Price)

a) Furnishing of detailed literature/pamphlets/ circuit diagram/ operation & maintenance manual / drawings (as applicable) for each appropriate unit of supplied equipments.

b) Furnishing of tools required for assembly and / or maintenance of the supplied equipments.

c) Performance or supervision of on-site assembly and / or maintenance of the supplied equipments.

d) Performance or supervision or maintenance and/ or repair of the supplied equipments, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty/guarantee obligations under the contract.

e) Training of the Purchaser's personnel at the Supplier's plant and / or on site, in assembly, start up, operation, maintenance and/ or repair of the supplied equipments.

f) A maintenance contract for the equipments supplied, if required by the user beyond the warranty period shall be on mutually agreed terms between the user and supplier. The cost of such maintenance contract shall not be included in the Bid cost.

## **15. Taxes and Duties**

15.1 The Supplier shall be entirely responsible for all Government Taxes, Duties etc. incurred until delivery of the contract equipments to the Consignee subject to recovery after words in the bill as claimed in the Bid offer.

15.2 The Excise Duty is payable to Manufacturer quoting excisable items, on production of proof thereof, if claimed in the Bid offer.

15.3 Orissa GST as applicable is payable, to the suppliers of the State of Orissa if claimed in the Bid offer.

15.4 CGST will be paid to the Suppliers of the outside State other than Orissa, if claimed in the Bid offer.

15.5 Entry Tax, if paid by the Supplier, at the local (destination head) Corporation / Municipality / NAC is allowed once only on production of money receipt for such payment, if claimed in the Bid offer.

## **16. Period of Validity of Bids**

16.1 The bid shall remain valid for a period of minimum 120 days for acceptance, from the date of opening of bid as prescribed by the purchaser.

16.2 A bid valid for a shorter period may be rejected, as non-responsive.

16.3 In absence of any indication of the date of validity in the bid, it will be presumed that the offer will remain valid for a minimum period as prescribed.

16.4 In exceptional circumstances the purchaser may solicit the bidders consent for extension of the period of validity. If agreed upon, the bid security so deposited shall also be suitably extended.

## **17. Standards**

17.1 The equipments supplied under this Contract shall conform to the standards mentioned in the Technical Specifications and when no applicable standard is mentioned, the equipments shall conform to the latest National/ International standards.

## **18. Sealing and Marking of Bids**



18.1 The bidders shall submit bids in sealed covers. **The Bid Security in shape of draft shall be enclosed along with bid, failing which the tender will be rejected.**

18.2 The sealed bid envelope shall be:-

a) Addressed to the Purchaser at the following address: "THE PRINCIPAL, INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG -759146, DIST. - DHENKANAL (ODISHA), INDIA"

b) Bear 'PROCUREMENT OF (as mentioned in the tender notice) 'DO NOT OPEN BEFORE' ... (the last date & time of opening as indicated in tender notice).

## **19. Deadline for Submission of Bids.**

19.1 Bids must be received by the Purchaser at the address specified no later than the date and time mentioned in the tender notice,

19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids.

## **20. Late Bids**

20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, will be rejected and / or returned unopened to the Bidder.

## **21. Opening of Bids by Purchaser**

21.1 The Purchaser will open the technical bids on **31.12.2022 at 3.30 PM.** in the presence of Bidder's representatives who choose to attend, at the date & time of opening mentioned in the Tender Call Notice in the following location. "**THE PRINCIPAL, INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG-759146, DIST. - DHENKANAL (ODISHA), INDIA**". The Bidders' representatives who are present shall sign a register evidencing their attendance.

21.2 The Bidders' name, modifications, bid withdrawals and the presence or absence of the requisite bid security if any and such other details as the Purchaser, at its discretion, may consider appropriate will be announced at the opening.

Opening of price bid: Technically and commercially qualified bidders will be intimated later.

## **22. Preliminary Examination**

22.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

22.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the supplier does not accept the correction of the errors, its bid will be rejected. If there is a discrepancy between words and figures, the amount in words will prevail.

22.3 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each bid to the Bidding Documents. For purposes of these Clauses a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bids itself without recourse to extrinsic evidence.

22.4 Bids received without certified copies of ITCC & STCC/GST valid up to current year issued by competent authority may be treated as nonresponsive and liable for rejection.

22.5 Bids received without the requisite Bid Security shall be treated as non-responsive and shall be rejected.

22.6 The Purchaser may waive any minor informality or non-conformity or irregularity in a bid which does not prejudice or affect the relative ranking of any Bidder.

### **23. Evaluation and Comparison of Bids**

23.1 The comparison shall be of ex-factory/ ex-warehouse/ off-the shelf price of the equipments offered from within the Purchaser's country, such price to include all costs as well as duties and taxes paid or payable on components and raw-material incorporated or to be incorporated in the equipments, the CIF port-of-entry price of the equipments offered from outside the Purchaser's Country.

23.2 The Purchaser's evaluation of a bid will take into account, in addition to the bid price and the price of incidental services, the following factors :-

- a) Cost of the inland transportation, insurance and other costs as per Clause 4 within the Purchaser's Country incidental to delivery of the equipments to their final destination;
- b) Delivery schedule offered in the bid;
- c) Deviations in payment schedule from that specified in the General Terms & Conditions of Contract;
- d) The cost of components, spare parts and service.
- e) The availability in the Purchaser's country of spare parts and after sales services for the equipments offered in the bid;

- f) The projected operating and maintenance costs during the life of the equipments.
- g) The performance and productivity of the equipments offered; h) The quality and adaptability of the equipments offered.

#### **24. Award Criteria**

24.1 The Purchaser will award the Contract to the successful Bidder whose bid has been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.

24.2 Quality, durability and adaptability of the equipments offered suiting to use in Training Practice shall continue to be the overriding factor for selecting any equipments and determining the lowest evaluated bid.

#### **25. Purchaser's Right to Accept any Bid and to Reject any Bid**

25.1 The Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all the bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders of the grounds for the Purchaser's action.

#### **26. Notification of Award**

26.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter or by Fax, to be confirmed in writing by registered letter or by speed post, that its bid has been accepted.

26.2 The notification of award will constitute the formation of the Contract.

26.3 Upon the successful Bidder's furnishing of the performance security, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security.

#### **27. Signing of Contract**

27.1 At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.

27.2 Within twenty one (21) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Purchaser.

#### **29. Resolution of Disputes**

- a) The Consignee & the Supplier should try to resolve the disputes (if any) amicably.
- b) Thereafter, it should be taken up with the Principal, Indira Gandhi Institute of Technology, Sarang.
- c) Thereafter, it may be taken to the proper Court of Law. **"THE PRINCIPAL, INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG-759146, DIST. - DHENKANAL (ODISHA), INDIA"**.



**DECLARATION**

I/we have not tampered/ modified the tender forms in any manner. In case, if the same is found to be tampered/ modified, I/we understand that my/our tender will be summarily rejected and full Earnest Money Deposit (EMD) will be forfeited and I/we am/are liable to be banned from doing business with IGIT, Sarang and /or prosecuted.

Signature of the Bidder:

.....

Name and Designation:

.....

Business Address:

.....

.....

.....

Place :

Date :  
Firm

Seal of the Bidder's

**PRICE SCHEDULE**

[To be used by the bidder for submission of the bid]

- 1. Item No. :
- 2. Item with specification (confirming to Annexure-I of Tender document- enclose additional sheets if necessary)
- 3. Total quantity to be delivered :  
(Approx. quantity as shown in schedule of requirement Annexure-I)
- 4. Bid Price and currency :
  - a) Rate per unit at delivery point : (excluding tax component)
  - b) Delivery cost at site (3 x 4a) :
- 5. Delivery period offered :
- 6. Break up Price (of SL - 4b)
  - a) Ex-factory/Ex-ware house/Ex-show room/off the shelf price:
  - b) Packing, forwarding & handling charge:
  - c) Insurance charge (if any):
  - d) Transportation cost up to Institution:
  - e) Erection, Assembly, Commissioning & incidental service:
  - f) Delivery cost at site (excluding tax component) (Add 6a + 6e) = 4b.
- 7. Tax Components (in percentages and also in figures)
  - a) Excise duty (if any):
  - b) GST/Sales Tax and other levies (if any):
  - c) Total tax component (Add 7a + 7b):
- 8. Delivery cost at site (including tax component) (Add 6f + 7c)
- 9. Warranty period should be mentioned  
in Technical and Financial bid) :
- 10. Name and address of the firm for placing purchase order:
- 11. Name and address of Indian authorized agent (in case of imports only):

**Signature of the Bidder:** .....

**Name and Designation:** .....

**Business Address:** .....  
.....  
.....

Place:

Date:

Seal of the Bidder's Firm

**CONTRACT FORM**

[To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide to deliver the .....by the delivery schedule mentioned in the tender document for supply of the items if the purchase order is awarded.

2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.

3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of IGIT, Sarang during this period.

**Signature of the Bidder :** .....

**Name and Designation :** .....

**Business Address :** .....

.....

.....

**Place:**

**Date:**

**Seal of the Bidder's Firm**

## Annexure-I

### SCHEDULE OF REQUIREMENT WITH TECHNICAL SPECIFICATIONS

#### Equipment for the Department of Metallurgical and Materials Engineering

#### 1. Advanced Materials Processing Lab.

Item No. 01	Technical Specifications	Qty.
01	<p><b>Name of the Equipment :</b> Sol Gel Spin Coating  Brand: APEX/ NAVSON /equivalent  Programmable Speed Range: Up to 10,000 R.P.M.  &lt;math&gt;\pm 1\%&lt;/math&gt; Error across the Full Speed Range  Programmable Acceleration: Up to 5,000 R.P.M./sec.  Programmable Controlling Duration: 1-9,999 sec./step  Pre-set Editable Programs  Editable Steps/Program  Warm Up Option  Calibration Option  Brushless DC Motor  Spill-drainage Facility  Micro-controller Controlled  Non-volatile Program Memory  User-friendly Firmware Interface  Input &amp; Controlling through Key-pad  Integrated Power On/Off Switch with Indicator  PTFE coated Working Chamber of 10" Diameter  Integrated Vacuum Release Switch with On/Off Indicator  Integrated Lid Protection Switch with On/Off Indicator  Integrated Digital Magnetic Lid Inter-lock with Lid-open Sensor  Transparent Photo-resist Safety Lid over the Working Chamber  In-situ Sample Dispensing Port on the Transparent Photo-resist Safety Lid  Real-time Display of R.P.M., Timing &amp; Program Status on Graphical LCD Console  Real-time Display of R.P.M. vs. Timing Graph during Program Runtime on Graphical LCD Console  Integrated Working Chamber Illumination Facility  Power Input: Indian Standard  Standard Oil-free Vacuum Pump: 560-760mm/Hg, pressure:25psi, 1/20HP  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	01 unit
02	<p><b>Name of the Equipment :</b> Hot plate with magnetic stirrer  Brand: APEX/ COLE PARMER /equivalent</p>	02 units



	<p>Ceramic-coated top plate combines temperature uniformity with durability</p> <p>Exact temp. and speed setting via digital display.</p> <p>Microprocessor based temp.</p> <p>Control stirring hot plate with fast heating.</p> <p>Capacity: 20 ltrs.</p> <p>Speed range : 50-1500rpm</p> <p>Temp. range : 50°C -400°C</p> <p>Dimension of plate: 127mm</p> <p>Power : 230V 15.5 cm Dia</p> <p>Supplied with external programmable temperature sensor with 5ft cord and plug</p> <p>Speed Display: digital</p> <p>Temp. display : digital</p> <p>Power Supply: Indian Standard</p> <p>An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
03	<p><b>Name of the Equipment :</b> Digital electronic balance</p> <p>Brand: Metler Toledo/equivalent</p> <p>Complete with glass wind shield and one touch Function key having sliding door opening/closing system.</p> <p>Maximum Capacity 820 g</p> <p>Readability 0.01 g</p> <p>Repeatability, typical 0.007 g</p> <p>Minimum Weight (U=1%, k=2), typical 1.4 g Settling Time 1.5 s</p> <p>Adjustment Internal interfaces RS232</p> <p>Minimum Weight (USP, 0.1%, typical) 14 g</p> <p>Legal for Trade Yes</p> <p>Documentation Options Printing; Basic Electronic Documentation</p> <p>Guaranteed Repeatability 0.01 g</p> <p>Readability (Certified) 0.1 g</p> <p>Display LCD Backlit Display</p> <p>An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	02 units

## 2. Physical Metallurgy Lab.

Item No. 02	Technical Specifications	Qnty.
01	<p><b>Name of the Equipment :</b> Digital drying oven max temp 300<sup>0</sup>c</p> <p>Brand:NASKAR/ HAMCO /equivalent</p> <p>Ultra sonic cleaning Bath</p> <p>LED digital display for temp. and timer</p> <p>Supply with Lid, Cleaning basket with non-corrosive Stainless steel</p> <p>User friendly and clear pane</p> <p>High performance transducer systems</p> <p>Automatically Ultrasonic frequency tracking</p> <p>Stamping tank without welding gap for better water proof</p> <p>Voltage: AC 220-240v, 50Hz.</p>	I unit

	<p>Frequency: 40KHz  Tank Capacity: 2Ltrs  Tank size: 150lx140wx100h mm  Overall size: 190lx170wx220h mm  Power: 50W  Unit weight: 2.8kg  Heating Power: 100w  Timer: 1-99 min  Temp.: 0-80°C  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
02	<p><b>Name of the Equipment : Single Blade Cutter</b>  Brand: Bosch /equivalent  No Load Speed: 3800 rpm  Additional Details: Life Hours: 200 hr  Wheel Diameter: 355 mm  Bore Diameter: 25.4 mm  Dimensions :LxWxH 22.6x15.1x17 inch  Power Input: 2200 W  D-Shaped Handle, Quick Lock Vise.  Spark Diversion Guard &amp; Spindle Lock.  High Performance Motor  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	1 unit
03	<p><b>Name of the Equipment:</b> Students Meta. Microscope (binocular)  Brand: Censico /equivalent  Magnifications 50x- 600x ,  Having inclined Binocular Head convenient for prolonged observations.  Coaxial Coarse &amp; fine focussing adjustments effected from both sides, fine focussing device with least recordable movement 0.002 mm. and attachable mechanical stage,  with a built-in Low Voltage Halogen Lamp illuminator 6V-30W(Bulbs to be provided by you) for incident ray microscopy, provided with variable transformer input 220 volts AC &amp; output 3 to 7 volts,5 amps, adjustable by rotary control switch on and off switch and pilot lighting painted metal case.  OPTICS :  Superior, parfocal and precentered optics,  3 Achromatic objectives 10x, 40x and German 60x 1 paired Wide field eyepieces 10x &amp; 1 paired Huyghenian eyepieces 15x.  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	4 units
04	<p><b>Name of the Equipment :</b> Rough grinding belt machine  Brand: Chennai metco /equivalent  Grinding belts endless grinding belts 100 x 920 / 100 x 915 mm  Belt speed 7 m/ sec</p>	1 unit

	<p>Water connection 1x fresh water connection R½" max. 6 bars</p> <p>Water outlet right and left, ø 40 mm</p> <p>Water valve right and left</p> <p>Connection power 1.4 kVA</p> <p>Drive power (main drive) 0.75 kW S6/60%</p> <p>W x H x D 630 x 250 x 520 mm</p> <p>Weight~ 55 kg</p> <p>An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
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### 3. Process Metallurgy Lab.

Item No. 03	Technical Specifications	Qty.
01	<p><b>Name of the Equipment :</b> Portable Autoclave</p> <p>Brand: HAMECO/equivalent</p> <p>All the parts are made of non-corrosive Stainless steel – 304 Grade.</p> <p>Easily replaceable heater and rubber gasket.</p> <p>Pressure gauge and safety valves &amp; steam release valve Fitted on lid.</p> <p>Operates on 230 Volts AC Single phase 50 Hz.</p> <p>Size: 10" X 12"</p> <p>Rating : 2000W</p> <p>An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	1 unit
02	<p><b>Name of the Equipment :</b> Fire/flash point apparatus</p> <p>Brand: NUNES/HAMECO/equivalent</p> <p>Automatic Flash and fire point detection</p> <p>Automatic Barometric pressure correction</p> <p>Automatic flash point search mode for unknown samples</p> <p>User set-able heating and flashing profile</p> <p>Automatic or user set-able stirrer speed setting and control</p> <p>Automatic heating profile setting depending on initial sample temperature and expected flash point.</p> <p>Automatic cutoff at 30°C beyond expected flash point or at 350 °C temperature limit</p> <p>2 Preset test Modes as per ASTM Method A &amp; B</p> <p>16 x 4 Line Back Lit Alpha numeric display</p> <p>In-built Key pad for settings &amp; data entry</p> <p>Audio visual indication of end of test and Alarms</p> <p>Over temperature safety cutoff and alarm.</p> <p>Last reading stored until report is printed or next test is initiated.</p> <p>Serial Printer interface for Automatic printing of test report at a press of a button.</p> <p>Ensures minimum power consumption by design thereby reducing operation cost.</p> <p>Electrical ignition</p> <p>Resolution: 0.1°C</p> <p>Controller Accuracy: 0.5°C</p>	1 unit

	Flash Detection Accuracy : $\pm 1^{\circ}\text{C}$ Load : 1Kw Operation on 230V 50Hz, single phase An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus..	
03	<b>Name of the Equipment :</b> Digital PH meter Brand: Metler Toledo/equivalent pH range -2.000 – 20.000 , Resolution and Accuracy: 0.001/ 0.01/ 0.1; $\pm 0.0020$ mV; -2,000.0 – 2,000.0 mV Resolution and Accuracy: 1/1; $\pm 0.10$ . Temperature -30.0 – 130.0 $^{\circ}\text{C}$ Resolution and Accuracy: 1; $\pm 0.1$ Instrument, power supply, protective cover, Get Started guide, electrode holder Easy Place with holder for up to 3 sensors An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.	2 units
04	<b>Name of the Equipment :</b> Digital Conductive meter Brand: Metler Toledo/equivalent Conductivity: 0.001 $\mu\text{S}/\text{cm}$ – 2,000 mS/cm Resolution & Accuracy: 0.001–1; $\pm 0.5\%$ Temperature -30.0 – 130.0 $^{\circ}\text{C}$ Resolution and Accuracy: 1; $\pm 0.1$ Instrument, power supply, protective cover, Get Started guide, electrode holder Easy Place with holder for up to 3 sensors An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.	2 units
05	<b>Name of the Equipment :</b> Digital Viscosity meter Brand: Metler Toledo/equivalent Viscosity, Temperature, Torque% Ultra low measurement in the range 1-2000 mPa.Sec 50 to 2,000,000mPa sec or 50 to 2000,000cP Torque 0.0 to 100.0% 0.5 to 250 rpm with minimum Number of Speeds: 20 Viscosity : For <10000mPa.Sec : 0. 1mPa.Sec For >10,000mPa.Sec : 1mPa.Sec Torque: 0.1% Temperature : 0.1 $^{\circ}\text{C}$ Viscosity: $\pm 1\%$ of full scale Temperature: $\pm 0.2^{\circ}\text{C}$ Rechargeable batteries with AC adapter - 230V, 50 Hz Output: USB - PC Calibration Liquid 2 X 500 ml – along with NIST TRACEABLE Certificate	2 units

	<p>Soft copy and minimum 2 hard copies  Measuring Range 20 ~ 2,000,000 (mPa.s)  No. of Speeds 0.3, 0.6, 1.5, 3, 6, 12, 30, 60 RPM (8 speeds)  Spindles #1, #2, #3, #4 is standard configuration  Accuracy <math>\pm 1.0\%</math> Full Scale  Repeatability <math>\pm 0.5\%</math> Full Scale  Display LCD  Temp. Reading Option (separate probe TM-220 optional)  Functions With auto range function  Liner Calibration  Sound Alarm at under 20% Torque  Time Function  High quality Stepping Motor  Power Source 100V-240V  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
06	<p><b>Name of the Equipment :</b> Distillation Unit  Brand:  Distillation Vessel : Material Stainless Steel,  Capacity 3 Ltrs. (approx.)  Jacketed Type, insulated with ceramic wool and Aluminium cladding.  Flow measurement: Rotameter for cold water.  Steam Generator : Made of Stainless Steel, provided with Pressure Gauge &amp; Level  Indicator, Safety valve &amp; insulated with ceramic wool and Aluminium Cladding.  Separating Chamber : Material Borosilicate Glass,  Capacity 2 Ltrs. (approx.)  Condenser : Material Stainless Steel,  Shell &amp; Tube type  Distillate tank : Material Stainless Steel,  Capacity 5 Ltrs. (approx.)  Heater : Nichrome wire heater  Temp. Sensors : RTD PT-100 type  Control panel comprises of :  Digital Temp. Controller : PID Controller, 0-199.9°C  (For Steam Generator)  Digital Temp. Indicator: 0-199.9°C, with multi-channel switch.  With Standard make on/off switch, Mains Indicator etc.  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.  The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint</p>	1 unit

#### 4. Metallurgical Thermodynamic & Kinetic Lab.

<b>Item No. 04</b>	<b>Technical Specifications</b>	<b>Qty.</b>
01	<p><b>Name of the Equipment :</b> Digital drying oven max temp 300<sup>0</sup>c  Brand:NASKAR/ HAMCO /equivalent  Type of oven: - electrically heated Natural Convection type.  Construction: Double body construction.  MOC (material of construction) for standard model: inner body made of ss 304 (or MS/GI), outer body made of G. I. duly powder coated.  MOC (material of construction) for gmp model: inner body made of ss 304, and outer body made of SS 304.  Matt finished.  Colour for standard model: attractive finished, aesthetic look with outer body duly powder coated with White and panel and door made of White.  For GMP model: inside will be mirror finish and outside will be matt finished with dark black sticker for clear visibility of all the display.  CAPACITY:27 LTR  Max Working Temp: 300 ° C.  Continuous working temp: 300 ° C.  Heater: ss tubular heater with clamp.  Insulation: Glass wool dense grade  Temperature controller :-  Temp. Is controlled by microprocessor based PID temp. Controller. It is having dual display with INT or Siemens contactor for switching on &amp; switching off the heater.  Timer: inbuilt timer of 99.99 Hrs. which will cut off the heater and horns the buzzer after specified time. It can be by passed also.  Safety thermostat: to protect against over shoot temperature.  No Blower motor. Natural Convection. input power supply : 230 v ac, 50 Hz, 1 phase  Thermocouple :-Calibrated RTD type thermocouple will be provided capable of measuring upto 400 °C at accuracy of +/- 0.1 °C  Control panel/display :- Digital display for present , set temperatures , time duration and temperature profile or thermostat  Analogue display for input voltage and load current.  Safety interlocks/ relay :-Overload safety cut-off  Over temperature protection.  Safety for input power fluctuation  1-phase indication lamp.  Emergency switch off  DATA RECORD :-  21 CFR Part 11 Compliant Software with audit trail(Who did what and when is recorded)  Multilevel Passwords.  Data Storage device has online and offline capabilities.  Multi chamber data acquisition on single software.  Tabular and graphical report, alarm deviation report.  Mean Kinetic temperature report and alarm deviation report.</p>	01 unit

	<p>Audit trial report.  Attractive reports and graphs.  Alarm Report.  Time synchronisation.  Spares required for 5 year trouble free operation:-  Heating coil -- 1 set  Solid state relay -- 1 no  Thermocouple – 1 no  Switchgear (main switch &amp; bulb ) – 3 no each Data logger ( extra if required)  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
02	<p><b>Name of the Equipment :</b> Deep Freezer Vertical  Brand:HAMCO/equivalent  Volume: 90 liter  Temperature range: -20 degree C.  Temp. Controller: Microprocessor based PID control with auto tune facility.  Temperature sensor: RTD Pt. 100.  Temperature display: Digital LED 3 1/2 digit.  Chamber illumination: Florescent Light with door switch.  Cooling : CFC free compressor utilising R 404 eco-friendly refrigerant , with condenser , motor and relay .(up to -20 degree c)  Cooling : Cascade control with CFC free compressor utilising R 23 eco-friendly refrigerant , with condenser , motor and relay .(up to -40 degree c)  Cooling : Cascade control with CFC free compressor utilising Suva 95 eco-friendly refrigerant ,with condenser , motor and relay .(up to -80 degree c)  Feet: Castor wheels.  Trays: SS wire mesh, Heavy duty.  Construction: Double walled with poly urethane (PUF) insulation provided with outer full length glass Viewing door with locking arrangement.  Time synchronisation. Double walled, gap between walls filled with PUF Insulation.  Standard Model: Stainless steel Mirror polished chamber and heavy gauge Powder- coated CRC Exterior.  GMP Model: Stainless steel Mirror polished chamber and exterior of dull finish stainless steel.  3” Thick CFC Free Puff Insulation.  Stainless steel Trays. Adjustable Tray Height adjustment.  Unit Mounted on castor wheels with front lock arrangement.  Control Panel:-Microprocessor based PID temp. controller with auto tune facility for precise control of temperature  Temp. Sensor : PT- 100</p>	01unit

	<p>Recorder data bank to store and print set values , process values , date and time of master          controllers with variable print time intervals ( Optional)          PC Interface communication card with RS 485 for temperature and humidity control system          ( Hardware only) ( optional)          Safety Features:-          Electrical overload compressor cut off.          Time delay for compressor switch on.          Electrical short circuit breaker.          Utilities (Pre Installation Requisite):-          Room temperature around machine preferably at 25 degree C.          Stabilised input voltage of 230V Ac, 50 Hz, and 20 Amps.          Water drains line with 1/2” Nozzle to be provided at floor level.          Data Record:- 21 CFR Part 11 compliant software with audit trail          An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
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### 5. Transport Phenomena Lab.

Item No. 05	Technical Specifications	Qty.
01	<p><b>Name of the Equipment :</b> Thermal conductivity of insulating slab instrument            Brand:KCEL/equivalent            Specimen dimension: Diameter: 20-180 mm (approx)., Thickness: 5-12 mm (approx).            Central Heater: Dia 100 mm, sandwiched between copper plates.            Ring Guard Heater: Width 35 mm, sandwiched between copper rings.            Cooling chamber : Made of Aluminium for water circulation            Insulation : Ceramic wool            Control panel comprising of :            Digital Temperature Controller: PID Controller, 0-199.9° C. Energy meter: Digital Type for power measurement.            Digital Temp. Indicator : 0199.9°C, with multi-channel switch            Temperature Sensors: RTD PT-100 type - 6 Nos.            With standard make On off switch, Mains Indicator etc.            MS Cabinet to accommodate the slab assembly.            An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.            The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.</p>	01 unit
02	<p><b>Name of the Equipment :</b> Emission measurement instrument            Brand:KCEL/equivalent            Test plate Diameter : 160 mm (approx.)            Black Plate Dia. : 160 mm (Approx.)            Heater (2Nos.): Nichrome Wire Heater. (One each for test plate &amp; black plate)</p>	01 unit



	<p>Control panel comprising of : Digital Temperature Controller: PID Controller, 0-199.9° C.  Energy meter: Digital Type for power measurement.  Digital Temp. Indicator : 0-199.9°C, with multi-channel Switch  Temperature Sensors: RTD PT100 type - 3 Nos.  With standard make On/Off switch, Mains Indicator etc.  Cabinet to accommodate the slab assembly with front window of acrylic.  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.  The whole set-up is well designed and arranged on a rigid structure Painted with industrial PU Paint.</p>	
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## 6. Foundry Engg Lab.

Item no.	Technical Specifications	Qty.
06		
01	<p><b>Name of the Equipment :</b>Green Mould Hardness tester  Brand: versatile/equivalent  Net Weight: Approximately 0.5 kg  Gross Weight: Approximately 1.0 kg  Colour: Factory Default  Measuring Range: 0-100 MHN (Mould Hardness Number)  Traceable to: NABL Standards Least Count: 1 MHN  Specimen Requirements:  Operating  Temperature:0-50<sup>0</sup>C  Testing Standards: BIS: Standard  AFS: Not Applicable  Calibration Frequency:22500 nos. of Testing Cycles or Once in Year  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	02 unit
02	<p><b>Name of the Equipment :</b>Green strength tester  Brand: versatile/equivalent  Strength of the sand mould.  Specifications  Width: 110  Depth: 40  Height:165  Weight: 0  Utility Range: 0-2Kg/cm<sup>2</sup>  An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	02 unit

## 7. Material testing Lab.

Item no. 07	Technical Specifications	Qty.
01	<p><b>Name of the Equipment :</b> 3-point flexure fixture with an optional conversion kit for 4-point loading            Brand: instron/equivalent            Rated capacity: 3 kN            Type of loading: Static flexure tests            Specimen material: Plastics, metals, alloys, composites, ceramics and other materials            Specimen shapes: Strip, bar, components            Common standards: ASTM D790, ISO 178            Fully adjustable span distance to suit a wide range of specimen sizes 10 - 200 mm            Adjustable stops for specimen widths up to 50 mm (2 in) for precise alignment            Optional deflectometer plunger assembly            Rugged design for minimum maintenance            An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus</p>	01 unit
02	<p><b>Name of the Equipment :</b> Magnetic particle flow crack detector            Brand: Yoke/ equivalent            Magnet type :permanent magnet            Pole distance: 50-300mm            Cored length: 3 meters            Voltage: 220 V, 50Hz, single phase            Maximum current drawn: AC 2.2Amps,            Lifting capacity at 100mm pole distance:5Kg AC mode,            Controls: solid state            Dry powder blower            Iron Powders: 500g            An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	02 unit

## 8. Computer Lab.

Item No. 08	Technical Specifications	Qty.
01	<p><b>Name of the Equipment :</b> PC (i3) Desktop            Brand: HP/Dell/equivalent            Processor: Core i3 or higher            Processor 10th generation or higher            OS: Win 11 or higher            Inbuilt M/s Office            RAM: 16GB            HDD: 1TB or more            SSD: 512GB            Intel Chipset</p>	20 units

	<p>Volume: 7 Litre Wired Key Board &amp; Mouse WLAN+BT Monitor:19.5" Warranty/Guarantee: 3Yr An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus.</p>	
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N.B – Excluding all taxes.

**Annexure-II**

**PERFORMANCE SECURITY**

Bid No. \_\_

Notification of Award No. \_\_

Reference No.....

Bank Guarantee No.....

To

The Principal Indira Gandhi Institute of Technology, Sarang

Dist.-Dhenakanal (Odisha), India. Pin-759146

M/s.....

(Address) ..... (The Supplier)

Where in the above supplier has undertaken in pursuance of contract for the above referred bid to supply the equipments & services as mentioned in the notification of Award of Contract issued by you (the purchaser) in favour of the supplier.

Whereas it has been stipulated by you in the said Notification of Award that the supplier shall furnish you with a Bank Guarantee by a Nationalized Bank for the sum as specified there in as security for compliance with the supplier's performance obligations in accordance with the contract.

And whereas we have agreed to give the supplier a Bank Guarantee.

Therefore, we hereby affirm that we are guarantors and responsible to you on behalf of the supplier, up to a sum of Rs..... (Rupees.....) and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of guarantee amount, as aforesaid, without your needing to prove or to show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until..... Day of ..... month of 2022.

**Date: -  
Address and Seal.**

**Signature of Authority of Guarantor Bank**

### Annexure-III

#### WARRANTY MAINTENANCE CONTRACT AGREEMENT

THIS AGREEMENT made the ..... day of ..... month 2022 between The Principal, Indira Gandhi Institute of Technology, Sarang, Parjang, Dist.-Dhenakanal, (hereinafter "the Purchaser") of the one part and M/s ..... (herein after called "the Supplier") of the other part: WHEREAS the Purchaser invited bids for certain Goods and ancillary services viz., supply, installation and commissioning of the equipment at Consignee site including Warranty Maintenance Services and has accepted a bid by the Supplier for the supply, installation and commissioning of the equipment specified below at the Consignee site including Warranty Maintenance Services for a period of 3 years / 1 year from the date of installation and commissioning of the equipment as per PMEC's award of Contract No ..... Dated.....

#### **Name of the Equipment/Software Quantity**

(To be filled in as per details of goods in the award of Contract)

#### **NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

1. Maintenance Services shall consist of Preventive and Corrective maintenance of equipment specified above & will include supply and replacement of parts free of cost.
2. Preventive maintenance, monthly once, which includes:  
2.1 Check-up to ensure that device connection is proper; cabling is at proper condition etc.  
2.2 Cleaning of the above equipment & checking the System Performance.
3. The Supplier is to furnish the tentative schedule of the preventive maintenance (as mentioned in item 1) of Warranty Maintenance Contract (WMC) to be carried out.
4. The parts replaced must be new parts or equivalent in performance to new parts.
5. The Supplier will also provide the same maintenance service in case of the movement of equipment from the place of original installation to a different place or location.
6. Any complaint informed through telephone must be acknowledged with a Complaint No. by the Supplier which will be noted by Consignee. All further contact with the Supplier on such complaint will be initiated through that Complaint No. Once rectification done, that No. will be canceled by both parties. A register is to be maintained by the Supplier where complaints are to be noted along with Complaint No.
7. Shoes should be removed before entering into the Computer room or the place at which the equipment has been installed
8. The maintenance shall normally be done during working hours of the customer i.e. from 9 AM to 4 PM. However, in case of emergency, maintenance may have to be done beyond office

hours and even on holidays. Prior arrangement through proper communication should be worked out in all such cases by the Supplier and the Consignee.

9. The Service Engineer of the Supplier will be allowed to handle the respective equipment only in presence of the officer in charge at the Consignee site.

10. The Supplier should ensure that maintenance job is not hampered / delayed due to paucity of spares / inadequate man power etc.

11. The Supplier should submit the services call report, to the Consignee for each and every service call without fail. 12. In case of delay / lack of communication, down time will be calculated as mentioned below in WMC Clause.

12. In case of delay / lack of communication, down time will be calculated as mentioned below in WMC Clause.

### **WARRANTY MAINTENANCE CONTRACT (WMC) CLAUSE**

Normal response time for repair is 24 hours from the actual time of reporting of the problem to the Supplier.

#### **Period Extension of WMC period**

Response Above 24 hrs & below 48 hrs 2 days for delay of each day

Time Above 48 hrs & below 96 hrs One Week for each day of delay

Above 96 hrs Two weeks for each day of delay down time Above 24 hrs & below 48 hrs

Two days for each day of delay Above 48 hrs & below 96 hrs

One Week for each day of delay Above 96 hrs Two weeks for each day of delay

13. The Supplier evaluation data format for the WMC of Consignee systems may be filled up for necessary action.

14. All formats after filled up should be signed at the end of each page by the Supplier.

15. The decision of \_\_\_\_\_ (Head of the Organization) will be final and binding.

**Signature  
for the Purchaser**

**Name:**

**Designation:**

**Address:**

**Telephone No:**

**Signature  
for the Supplier**

**Name:**

**Designation:**

**Address:**

**Telephone No:**

**Annexure-IV**

**MANUFACTURER'S AUTHORISATION FORM**

No. \_\_\_\_\_ / Date \_\_\_\_\_ /

To  
The Principal,  
Indira Gandhi Institute of Technology, Sarang  
Parjang, Dist. - Dhenakanal (Odisha), India.  
Pin-759146

Dear Sir,

Tender \_\_\_\_\_ No. \_\_\_\_\_ We  
\_\_\_\_\_ who are established and  
reputable manufacturers of \_\_\_\_\_ having factories at (Address of  
Factory) do hereby authorize M/s. \_\_\_\_\_ (Name and address of  
Agent) to submit a bid and sign the contract with you against the above tender. \*No company  
or firm or individual other than M/s. \_\_\_\_\_ are authorized to  
bid and conclude the contract in regard to this business against this specific IFB. We hereby  
extend our full guaranty and warranty as per general conditions of contract for the goods and  
services offered by the above firm against this tender.

Yours faithfully,

(Signature for and on behalf of Manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person, competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its bid.

\*This para should be deleted for simple items where manufacturers sell the product through different stockiest.