

CIPET



**E-TENDER BIDDING DOCUMENT FOR
SUPPLY AND INSTALLATION OF
FDM TECHNOLOGY 3D PRINTER SET**

E-TENDER No. CIPET:SARP-APDDRL/FDM Technology 3D Printer/2019-20/01

LAST DATE FOR SUBMISSION OF BID: 27.08.2019

**CIPET: SCHOOL FOR ADVANCED RESEARCH IN POLYMERS (SARP)-APDDRL
(Department of Chemicals & Petrochemicals)**

(Ministry of Chemicals & Fertilizers, Govt. of India)

**#488-B, 4th Floor, Block-2, KIADB Building, 14th Cross, Peenya 2nd Stage,
Bangalore – 560 058 Karnataka, India**

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Phone: 080- 2836 6454, 080- 2836 3344

Website: www.cipet.gov.in



**CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY
SCHOOL FOR ADVANCED RESEARCH IN POLYMERS (SARP) – APDDRL
(Department of Chemicals & Petrochemicals)
(Ministry of Chemicals & Fertilizer, Govt. of India)
#488-B, 4th Floor, Block – 2, KIADB Building, 14th Cross, Peenya 2nd Stage,
Bangalore – 560 058
Email: apddrl@cipet.gov.in, apddrlbengaluru@gmail.com**

E-TENDER Document No. CIPET:SARP-APDDRL/FDM Technology 3D Printer/2019-20/01

CIPET:SARP-APDDRL, Bengaluru invites bids through e-Tender **UNDER TWO BID SYSTEM IN E-TENDER PORTAL (www.tenderwizard.com/CIPET)** from Reputed Suppliers/ Manufacturers / Authorized Dealer & Distributors having valid PAN, IT Return & GST Registration Certificate for supply & installation of the **FDM TECHNOLOGY 3D PRINTER SET** at CIPET: SARP-APDDRL, Bengaluru. Bid offers should be of two parts viz., Technical Bid & Commercial Bid.

Bidders are requested to visit the web-site www.tenderwizard.com/CIPET or www.cipet.gov.in and submit their offers electronically. It may be noted that offers submitted on paper manually or the offers sent by post shall not be entertained. The Important dates for the above E-Tender are mentioned below:

Important Dates

- 1. Date of Advertisement: 07-08-2019**
- 2. Last date for submission of Online Bid: 27-08-22019**
- 3. Date & Time of Opening of Technical Bid - 28-08-2019 AT 02:30 PM (At CIPET:SARP-APDDRL-Bengaluru), Peenya, Bangalore.**
- 4. Date of Opening of Commercial Bid- After Evaluation of Technical Bid, Commercial Bids of Technically qualified bidders will be opened online.**

For further clarification, please contact at 080- 2836 6454, 080- 2836 3344, 7092078633 (for General Tender related queries) 9968025517 (for Technical specification related queries), 9986418425 (for queries relating to registration in tenderwizard portal, uploading of online bids etc.)

CIPET:SARP-APDDRL-Bengaluru reserves the absolute right to accept/reject any or all bids at any stage of the tender process without assigning any reason whatsoever.

**Principal Director & Head
(Sr. Principal Scientist)**

SECTION I. INSTRUCTIONS TO BIDDERS

A. Introduction

1. CIPET is a premier national institution under the aegis of the Ministry of Chemicals & Fertilizers, Govt. of India. fully devoted to Skill Development, Technology Support Services, Academic and Research (STAR). CIPET operates on hub & spokes model with 32 locations - 5 Institute of Plastics Technology (IPT) – High Learning Centres, 24 Centre for Skilling and Technical Support (CSTS) - Other Learning Centres and 3 School for Advanced Research in Polymers (SARP) – R & D Wings spread across the country catering to the needs of Polymer and allied industries.

B. THE BIDDING DOCUMENTS

2. Content of Bidding Documents:

- 2.1 The Bidding Documents include;
 - (a) Instruction to Bidders;
 - (b) Terms and Conditions of Contract;
 - (c) Schedule of Requirements;
 - (d) Technical Specifications;
 - (e) Manufacturer's Authorization Form;
 - (f) Bid Form and Price Schedules;
 - (g) Contract Form;
 - (h) Performance Security Form;
 - (i) Deviation Statement;
- 2.2 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 the bid.

3. Amendment of Bidding Documents:

- 3.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at their own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by amendment.
- 3.2 In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bid, the Purchaser may, at their discretion, extend the deadline for the submission of bids.

C. PREPARATION OF BIDS

4 Documents Comprising the Bid:

4.1 The bid prepared by the Bidder shall comprise the following components:

- (a) A Bid Form and Price Schedule completed in accordance with Clauses 5 and 6;
- (b) Documentary evidence establishing in accordance with Clause 7 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;
- (c) Documentary evidence establishing in accordance with Clause 8 that the goods (machinery/equipment/software) and ancillary services and conforming to the Bidding Documents;

5. Bid Form:

5.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the Bidding Documents, indicating for the equipment to be supplied, a brief description of the equipment, their country of origin, quantity and prices.

6. Bid Prices:

6.1 The Bidder shall indicate on the price schedule attached to these documents, the unit prices and total Bid Prices of the goods (Including GST), proposed to supply under the Contract.

6.2 Fixed Price: Prices quoted by the Bidders shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

6.3 Agents and service facilities in India:

If a foreign bidder has engaged an Indian agent, it will be required to give the following details in the offer:

- (i) The name and address of the local agent;
- (ii) What service the agent renders; and
- (iii) The amount of remuneration for the agent included in the offer.

7. Documents establishing Bidder's Eligibility and Qualifications:

- 7.1 Pursuant to Clause 4, the Bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- 7.2 The documentary evidence of the Bidder's qualifications to perform the Contract if its bid is accepted, shall establish to the Purchaser's satisfaction:
- (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized (as per authorization form in Section V) by the goods manufacturer or producer to supply the goods in India.
 - (b) that, in the case of a Bidder not doing business within India, the Bidder is or will be (if successfully represented by an agent in India) equipped and able to carry out the Supplier's maintenance, repair and spare-parts stocking obligations prescribed by the Conditions of the Contract and / or Technical Specifications
 - (c) that the Bidder has the financial, technical, and production capability necessary to perform the Contract and meets the criteria outlined in the qualification criteria specified in Section IX (Bidders should furnish information on their past performance and per proforma in Section-IX A) .

8. Documents Establishing Goods' Eligibility and Conformity to Bidding documents:

- 8.1 The Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the Bidding Documents of all goods and services which the bidder proposes to supply under the Contract.
- 8.2 The documentary evidence of the goods and services eligibility shall consists of a statement in the Price Schedule on the country of origin of the goods and services which shall be confirmed by a certificate of origin at the time of shipment.
- 8.3 The documentary evidence of the goods and services conformity to the Bidding Documents may be in the form of literature, drawings and data, and shall furnish:
- (a) a detailed description of the goods essential technical and performance characteristics;
 - (b) a list giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., may be quoted as an additional cost, which may be considered if required; and

(c) a clause-by-clause commentary on the Purchaser's Technical Specifications demonstrating the goods and services substantial responsiveness to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications (As per deviation statement in section X Annexured)

8.4 For purposes of the commentary, the Bidder shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutes are substantially equivalent or superior to those designated in the Technical Specifications.

9. Period of Validity of Bids:

9.1 Bids shall remain valid for 90 days after the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive.

9.2 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. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request is not be required or permitted to modify its bid.

10. Submission of Bids:

10.1 The detailed Technical Specification of the equipment is enclosed as Section IV of Bid document, Offer should be of two parts Viz., "TECHNICAL BID" and "COMMERCIAL BID" The content of the both bids should be as under;

(a) TECHNICAL BID in the separate envelope superscripted as Technical Bid for E-Tender No. CIPET:SARP-APDDRL/FDM Technology 3D Printer/2019-20/01 should include the following:-

1. Detailed specification of the base equipment along with the specification of accessories, which are included in the Base unit.
2. Deviation Statement
3. Product Literature
4. Proforma for Performance Statement
5. Qualification Criteria
6. List of spare parts included (without quoting the price) (the acceptance and rejection of spare parts will be at sole discretion of CIPET)

7. List of optional accessories with their technical specification. (without quoting the price) (the acceptance and rejection of spare parts will be at sole discretion of CIPET)
8. Manufacturer's Authorization Form
9. Bid Form
10. Any other information which the bidder would like to state about the technically of the equipment.
11. Average Annual Turnover during last three financial years should be minimum amount of Rs. 25 Lakhs. Audited Accounts of last three years needs to be submitted.
12. List of Local Service Offices
13. Bidder should also submit the following documents:
 - I. GST Registration Certificate,
 - II. PAN
 - III. Profile of the Bidders along with previous supply & installation of similar type of machine.

(b). COMMERCIAL BID should include the following:-

1. Statement showing the price of the each items of spare parts and optional accessories which is mentioned in the Technical Bid (the acceptance and rejection of spare parts and optional accessories as per requirement will be at sole discretion of CIPET)
2. Conditional bids will not be accepted. The condition laid down by CIPET is final and binding on all bidders.
3. The quote should be in Indian Currency (INR).
4. CIPET reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof.
5. CIPET is exempted from Customs Duty (CDEC) in terms of GOI Notification No.51/96 Dated 23.07.1996, Notfn.No.47/2017-Integrated Tax (Rate) dt.14.11.2017 and Notfn.No.45/2017-Central Tax (Rate) dt.14.11.2017, Notfn.No.45/2017-Union Territory Tax (Rate) dt.14.11.2017, as amended from time to time. Customs Duty payable if any after availing the Customs Duty Exemption at the time of clearance will be reimbursed by CIPET at actual on the production of Original remittance receipt.

6. CIPET reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof.
7. **This Equipment is for R&D activities, GST should be charged 5% only since CIPET is having DSIR certificate.**
8. Form of Commercial Bid is enclosed in Annexure-2.

The bids, which are not containing the statements, mentioned in 10.1 (a) & (b) are liable to be rejected.

- 10.2 The proforma of Annexures (Sections) in the Bidding document, wherever necessary, should be typed on the bidder's letter head and upload the same.
- 10.3 Price Schedule should be submitted in the prescribed format given under price schedule of the Bidding Document.
- 10.4 The Deviation Statement enclosed should be duly filled in and submitted along with Bidding Document. If the bidder is offering more than one options/models a separate Deviation statement for each of such quotes should be submitted along with the offer.
- 10.5 Quotes received without price schedule, and deviation statement as per our prescribed format, will summarily be rejected.
- 10.6 Relaxation of Norms for Startup and Micro & Small Enterprises in Public Procurement on Prior Experience – Prior Turnover Criteria. Hence the MSME / NSIC certificate should be submitted.

11. Deadline for Submission of Bids:

- 11.1 Last date of submission of bid is **27-08-2019**.
- 11.2 The Purchaser may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents in accordance with Clause 3, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the dead-line as extended.

12. Evaluation and Comparison of Bids:

- 12.1 The Purchaser will evaluate and compare the bids previously determined to be substantially responsive.
- 12.2 The Purchaser's evaluation of Bid will take into account on the basis of the basic price of the Equipment and incidental charges including Installation & Commissioning, Packing & Forwarding, Freight Charges, taxes etc.
- 12.3 The availability in India of spare parts and after-sales services for the equipment

offered (imported goods) – in the bid; (the inclusion of cost of spare parts for comparison as per requirement will be at sole discretion of CIPET:SARP-APDDRL-Bengaluru. CIPET:SARP-APDDRL-Bengaluru reserves right to accept any bid and to reject any bid or all bids.

13. Contacting the Purchaser:

No Bidder shall contact/correspond /communicate the Purchaser on any matter relating to the Financial bid at any time. However, in case of technical clarification and other general tender queries, registration in online tenderwizard portal, the bidder may contact the Official at the number given above.

D. AWARD OF CONTRACT

14. Post qualification

14.1 The Purchaser will determine to its satisfaction whether the Bidder selected as having submitted the lowest evaluated responsive bid is qualified to satisfactorily perform the Contract.

14.2 The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to Clause 8, as well as such other information as the Purchaser deems necessary and appropriate.

14.3 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.

15. Purchaser's right to vary Quantities at Time of Award:

The Purchaser reserves the right at the time of award of Contract to increase or decrease of the quantity of goods and services specified in the Schedule of Requirements without any change in price or other terms and conditions.

16. Purchaser's Right to accept any Bid and to reject any or All Bids:

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 or any obligation to inform the affected Bidders or Bidders of the grounds for the purchaser's action.

17. Performance Security

Within 21 days of the receipt of Notification of award of Contract from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided In the Bidding Documents .

18. Eligible Criteria for Bidders

- i) Average Annual Turnover of Rs. 25 Lacs in Last Three years
- ii) Copies of Audited Accounts (Balance sheet & Statement of Profit & Loss) for the last 3 years needs to be submitted.
- iii) Copies of Up-to-date IT returns for the last 3 years, PAN Card, GST Registration Certificate.
- iv) The bidder should be a manufacturer/authorized distributor/agent of a manufacturer/trader who have designed, manufactured, tested and supplied the equipment(s) of similar to the type specified in the Schedule of requirements which shall be in successful operation for at least one year on the date of bid opening. In case the bidder is other than Manufacturer, OEM Certificate from Manufacturer is required to be submitted. OEM's Authorization for participation in the Tender is required.
- v) The bidder should furnish the information on the past three year's supplies of similar/same goods/equipments and satisfactory performance in the Performa given under Section IX-A. Bidders are required to enclose copies of Purchase Orders from Govt. Departments / PSUs / Autonomous Bodies/Private Organization where successful installation of similar Equipments have been carried out.
- vi) The Bidders must have satisfactorily supplied & completed installation of similar type of Equipment at-least 02 nos. in any Govt. Organisations/PSU/Corporate Sectors during the last 5 years. The said Equipments are in satisfactory working condition for at least one year on the date of bid opening The Certificate in support of that from the user shall be attached. The Customer Feed Back Certificate, if any may be enclosed.
- vii) The Bidder has to submit a Self Declaration Certificate to the effect that they are not black listed by any Govt. Organization/ Corporate Sectors.
- viii) The vendor shall have local service and application office. Alternatively they should have sufficient infrastructure to attend service request within 48 hours of Service Call.
- ix) The vendor should furnish details of customers/Users in India.
- x) The bidders shall give a list of his relatives working with the CIPET along with their designations and addresses.

SECTION - II. TERMS AND CONDITIONS OF CONTRACT

1. The following are the Terms and Conditions of Contract.

2. Definitions

- (a) The purchaser is: CIPET: SARP-APDDRL, Bengaluru
- (b) The Supplier is

3. Performance Security

- 3.1 Within 21 days after the Supplier's receipt of Purchase Contract, the Supplier shall furnish performance security to the Purchaser for an amount of 5% of the contract value valid up to 60 days after the date of Completion of performance Obligations including warranty obligations.
- 3.2 The Performance Security shall be denominated in the currency of the Contract or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the following forms:
 - (a) A Bank guarantee or irrevocable Letter of Credit, issued by a nationalized bank located in India and in the form provided in the Bidding Documents or another form acceptable to the purchaser;
or
 - (b) Demand Draft in favour of "M/S ADVANCED POLYMER DESIGN AND DEVELOPMENT RESEARCH" Payable at Bengaluru.
- 3.3 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, under the Contract.

4. Delivery and Documents

(a) For Imported Goods

- (i) Original and three copies of Supplier's Tax invoice showing Goods description, quantity, unit price, total amount.
- (ii) Original and three copies of the negotiable clean, on –board bill of lading marked freight prepaid and three copies of non-negotiable bill of lading.
- (iii) Five Copies of packing list identifying contents of each package.
- (iv) Insurance Certificate.
- (v) Manufacturer's /Supplier's guaranty certificate.
- (vi) Inspection certificate, issued by the nominated inspection agency and the supplier factory inspection report; and

- (vii) Certificate of Origin.
- (viii) Relevant documents having various parameters (Quality assurance check documents) for pre-delivery inspection / dispatch clearance.

(b) For Domestic Goods:

- (i) Railway receipt / Acknowledgement of receipt of goods from the consignee(s);
- (ii) Original and Three Copies of the Supplier Tax invoice showing Goods description, quantity, unit price, total amount.
- (iii) Delivery Challan,
- (iv) Manufacturer's / Supplier's guarantee Certificate;
- (v) Inspection Certificate issued by the nominated inspection agency and the Supplier's factory inspection report.

- (vi) Certificate of origin and
- (vii) Prior intimation and co-ordination with respective CIPET centres for pre-delivery inspection at Original Equipment Manufacturer's / Supplier's site.

The above documents shall be received by the Purchaser before arrival of the goods (except where the goods have been delivered directly to the consignee with all documents) and if not received, the supplier will be responsible for any consequent expenses.

5. Incidental Services

The following services covered shall be furnished and the cost shall be included in the contract price ;

- (i) Complete erection of all equipment
- (ii) Commissioning of all equipments. This includes trial run and proving test.
- (iii) Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;
- (iv) One year continuous free service should be provided.

6. Spare Parts

Supplier shall carry sufficient inventories to assure ex-stock supply of consumables, spares such as gaskets, plugs, washers, belts etc., Other spare parts and components shall be supplied as promptly as possible but in any case within one month of Placement of order.

7. Warranty/Guarantee

7.1 The Supplier warrants that the equipment supplied under this 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 equipment supplied under this Contract shall have no defect arising from design, materials or workmanship (except insofar as the design or

material is required by the Purchaser's Specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied Goods in conditions obtaining in the country of final destination.

- 7.2 This warranty/guarantee shall remain valid for 12 months after the Goods or any portion thereof as the case may be, have been delivered and Installed / Commissioned at the final destination indicated in the Contract/ to be informed to the supplier.
- 7.3 The Purchaser shall promptly notify the Supplier, in writing, of any claims arising under this warranty.
- 7.4 Upon receipt of such notice, the Supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the Purchaser.
- 7.5 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.
- 7.6 The Supplier must provide the following warranties:
- (a) the equipment proposed is Complete in every way
 - (b) The hardware/software specification, Capabilities and performance characteristics are as stated in the bidder's proposal, technical specification and accompanying documentation.
 - (c) The supplier will offer to the Purchaser all technological updates, cost reductions and facilities, which are offered to other clients, in India, during the Contract tenure.

If the supplier is acting directly for the manufacturer of the Goods and Services, the Manufacturer must honor these guarantee.

8. Maintenance

MAINTENANCE SERVICE shall be as follows.

- (a) Free maintenance services shall be provided by the Supplier during the period of warranty.
- (b) The maximum response time for maintenance complaint from any of the destination specified in the Schedule of requirements (i.e. time required for supplier's maintenance engineer to report at the installation after a request call/email is made or letter is written) shall not exceed 24 hours.

9. Payment

- 9.1 Payment of contract shall be made in the INR specified in the bid in the following manner:
- (i) On Receipt of Goods: 90% of the Basic Price of Equipment plus 100% of Taxes for supply of Goods received shall be paid on receipt of goods at the destination and submission of claim supported by the Tax Invoice, Delivery Challan and Acceptance Certificate/Letter issued by the Purchaser's representative. 90% of the Basic Price plus 100% of Tax Payment will be released only after opening of the package of the Equipment and confirmation of the ordered equipment from the user department.
 - (ii) Erection of Goods and Final Acceptance after commissioning at site: 10% of the Basic Price of Equipment and 100% cost for erection./commissioning and other incidental services, on completion of erection and commissioning of Goods/ Equipments at site and other service certificate/Installation Report issued by the Purchaser's representative.

10. Prices

Prices payable to the supplier as stated in the contract shall be firm and not subject to any adjustment/changes during the validity of Contract.

11. Sub-contracts

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in his bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract. Sub contracts shall be only be bought out items and sub assemblies.

12. Resolution of Disputes

The dispute resolution mechanism to be applied shall be as follows:

- a) In the case of a dispute or difference arising between the purchaser & supplier, the same will be referred to The Principal Director & Head (Sr. Principal Scientist), CIPET:SARP-APDDRL-Bengaluru.
- b) If the dispute still not resolved, the dispute shall be settled by arbitration in accordance with provision of Arbitration rules.
- c) The Indian Arbitration Act 1940, the rules there under and any statutory modification or re-enactments thereof, shall apply to the arbitration proceedings.
- d) The venue of arbitration shall be the place from where the Purchase Order/Work Order is issued and Contract is entered into.
- e) Only Bangalore Court is having jurisdiction in case of any litigation.

13. Notices

For the purpose of all notices, the following shall be the address of the Purchaser and

Supplier.

a) Address of the Purchaser: CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY (CIPET) : School for Advanced Research in Polymers (SARP) - APDDRL – Bengaluru,#488-B,4th Floor,Block-2,KIADB Building,14th Cross, Peenya 2nd Stage, Bengaluru-560058.

b) Address of the Supplier:

14. Supplier Integrity

The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance, specified in the Contract.

15. Supplier Obligation

- 15.1 The Supplier is obliged to work closely with the Purchaser staff, act within its own authority and abide, by directives issued by the Purchaser on implementation activities.
- 15.2 The Supplier will abide by the job safety measures prevalent in India and will free the Purchaser from all demands or responsibilities arising from accidents or loss of life the cause of which is the supplier's negligence. The supplier will pay all indemnities arising from such incidents and will not hold the purchaser responsible or obligated.
- 15.3 The Supplier is responsible for managing the activities of its personnel or sub-contacted personnel and will hold itself responsible for any misdemeanors.
- 15.4 The Supplier will treat as confidential all data and information about the purchaser, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of the purchaser.

16. Technical Documentation

The technical documentation involving detailed instruction for operation and maintenance is to be delivered with every unit of equipment supplied. The language of the documentation should be English.

17. Liquidated Damages:-

If the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5 percent of the Contract price of the delayed goods or unperformed services for each week of delay until actual delivery or performance, up to a maximum deduction of Max of 10% of the delayed goods or services Contract price. Once the maximum is reached, the purchaser may consider

termination of the contract. The amount of liquidated damages will be recoverable from any sum due to the supplier.

18. Forfeiture of Performance Security:-

If the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, the Purchaser may, without prejudice to its other remedies under the contract, forfeit the Performance Security deposited by the supplier or adjust the amount of performance security in claim of the purchaser under the contract including adjustment of Liquidated damages as mentioned above.

19. Delivery & Installation period:

Within 8 weeks from date of issue of Purchase Order.

20. Validity of Quotation:

The quotation shall be valid for minimum 90 days from the last date of submission of quotation/ extension thereof.

21. Quotation of Rates:

The rates should be inclusive of packaging & forwarding charges, insurance, freight charges for delivery of materials at APDDRL, CIPET Bangalore, Installation & Commissioning any all other charges. No other charges will be paid under any circumstances unless it is specifically mentioned in the quoted rates.

22. Previous Experience & Turnover Criteria (Copy of Purchase Order/ Work Completion Report):

- i) The Bidder is required to submit Experience Certificate and Audited Balance Sheet of Last Three years, Copy of PAN, GST Registration Certificate and copies of Purchase Order/ Performance Certificate issued by Previous Purchasers.
 - ii) The bidder must have supplied and installed the equipments of similar to the type specified in technical specifications which has been in successful operation for at least one year on the date of bid opening.
 - iii) Bidders are advised to enclose copies of Purchase Orders from Govt. Departments / PSUs / Autonomous Bodies/Private Organization where successful installation of similar Equipments have been carried out failing which their bid will not be considered.
23. Average Annual Turnover during last three financial years should be minimum amount of Rs. 25 Lakhs. Audited Accounts of last three years needs to be submitted.
24. Bidder should also submit the following documents:
- xi) GST Registration Certificate,

xii) PAN

xiii) Profile of the Bidders along with previous supply & installation of similar type of machine.

25. Rejection of Bids:

Incomplete bids and bids received after due date will be rejected.

<u>SECTION III. SCHEDULE OF REQUIREMENTS</u>			
Serial No. of Equipment/Spares	Brief Description	Quantity	Delivery Schedule

SECTION IV. TECHNICAL SPECIFICATIONS

Equipments offered are required for Research & Development and Training purposes and should form the manufacturer's own standard of production, in supply and conforming as near as possible. **Detailed Technical Specification of the Equipment is mentioned in Annexure-1.** The Supplier/Manufacturer/Trader must comply the Technical Specification mentioned in Annexure-1. Supplier/Manufacturer/Traders are requested to attend Pre-bid meeting on the date & place mentioned herein above.

SECTION V. MANUFACTURER'S AUTHORIZATION FORM

No.....dated.....

To
M/s. CIPET: SARP-APDDRL, Bengaluru
#488-B, 4th floor, Block-2, KIADB Building, 14th Cross, Peenya
2nd Stage, Bangalore-560058

Dear Sir

Ref: Bid Reference

We who are established and reputable manufacturers ofhaving factories at.....and.....do hereby authorize M/s..... M/s..... M/s.....etc (Name and address of Agents) to bid and conclude the contract with you against the above Bid are authorized to bid and conclude the contract in regard to this business against this specific Bid.

We hereby extend our full guarantee and warranty as per clause 7 of the Terms and Conditions of Contract for the goods offered for supply against this invitation for bid by the above firms.

Yours Faithfully,

(Name)
for and on behalf of M/s.....
(Name of Manufactures)

Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

SECTION VI. BID FORM AND PRICE SCHEDULES

Date:.....
Contract No:.....

To:
M/s. CIPET: SARP-APDDRL, Bengaluru
#488-B, 4th floor, Block-2, KIADB Building, 14th Cross,
Peenya, 2nd Stage, Bangalore-560058.

Gentlemen:

Having examined the Bidding Documents including Addenda Nos.(insert Numbers), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver (Description of Goods and Services) in conformity with the said Bidding Documents for the sum of (Total Bid Amount in Words and Figures) or such other sums as may be ascertained in accordance with the schedule of prices attached herewith and made part of this bid.

I/We have examined the details of the equipments to be supplied mentioned in Annexure-1 and have carefully noted the conditions of contract and the specification /drawings with all stipulations of which I/we agreed to comply.

We undertake, if our bid is accepted, to commence delivery within (Number) days and to complete delivery of all the items and perform incidental services as specified in the Contract within (Number) days calculated from the date of receipt of your Notification of Award/Letter of Credit.

If our bid is accepted, we will obtain the guarantee of a bank/LC/ Demand Draft in a sum not exceeding.....% of the Contract Price for the due performance of the Contract.

We agree to abide by this bid for a period of (Numbers) days from the date fixed for bid opening under Clause 9 of the Instruction to Bidders and shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this.....day of.....20.....

Signature:

(in the capacity of):.....

Duly Authorized to sign bid for and on behalf of

SECTION VII. CONTRACT FORM

THIS AGREEMENT made theday of,..... 20.....
Between CIPET: SARP-APDDRL,Bengaluru (hereinafter “the Purchaser”) of one part
and (Name of Supplier) of (City and Country of Supplier) hereinafter “ the Supplier” of the other
part:

WHEREAS the Purchaser is desirous that certain equipments and ancillary services
should be provided by the Supplier, Viz., (Brief Description of Goods and Services) and has
accepted a bid by the Supplier for the supply and services of those Goods and Services
in the sum of (Contract Price in Words and Figures) (hereinafter “ 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 hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of
this Agreement, viz.:
 - (a) The bid Form and Price schedule submitted by the Bidder;
 - (b) The Schedule of Requirements;
 - (c) The Technical Specifications;
 - (d) Terms and Conditions of Contract; and
 - (e) The Purchaser’s Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as
hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the
Goods and Services and to remedy defects there in conformity in all respects with the
provisions of the contract.
4. The Purchaser hereby 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.

Brief particulars of the goods and services which shall be supplied/provided by the supplier are as under

SL.No	Brief Description of Goods & Services	Quantity to be supplied	Unit Price in INR	Delivery terms

Total Value: in INR: To be mentioned in the Commercial Bid only.

Delivery Schedule:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day, month and year first above written.

Signed, Sealed and delivered by the

Said..... (For the Purchaser)

in the presence of :..... Signed, *Plastics*

Sealed and delivery by the

Said..... (For the Supplier)

in the presence of :.....

SECTION VIII. PERFORMANCE SECURITY FORM

To:

CIPET: SARP-APDDRL,Bengaluru
#488-B, 4th floor, Block-2, KIADB Building,
14th Cross, Peenya2nd Stage, Bangalore-560058

WHEREAS..... (Name of Supplier)

Hereinafter called “the Supplier” has undertaken, in pursuance of Notification of Contract
No..... dated ... 20..... to supply
..... (Description of Goods and Services) hereinafter called “the Contract”.

AND WHEREAS it has stipulated by 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 Contract. **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 Contract 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 theday of.....20.....

Signature and Seal of Guarantors

.....
.....

Date

Address :.....

SECTION IX

(Referred to in clause 7.2 C of Instruction to bidders)

QUALIFICATION CRITERIA

- (a) The bidder should be a manufacturer/authorized distributor/agent of a manufacturer/Trader, who must have designed, manufactured, tested and supplied at least 02 Nos. of the equipment(s) of similar to the type specified in the Schedule of requirements preferably to the Govt. labs / R & D units / Institutions / Universities & PSU's/Private Companies which shall be in successful operation for at least three years on the date of bid opening. In case of Trader, OEM's Authorization for participation in the Tender is required.
- (b) The bidder should furnish the information on the past three year's supplies of similar/same goods/equipments and satisfactory performance in the Performa given under Section IX-A.
- (c) Bidders shall invariably furnish documentary evidence (Client's Certificates) in support of the satisfactory operation of the equipment as specified above.
- (d) The Bidders must have satisfactorily supplied & completed installation of similar type of Equipment at-least 02 nos. in any Govt. Organisations/PSU/Corporate Sectors during the last 5 years. The said Equipments are in satisfactory working condition for at least one year on the date of bid opening The Certificate in support of that from the user must be attached. The Customer Feed Back Certificate, if any may be enclosed.
- (e) The bidder should furnish the Scope of Supply in a Separate Sheet.
- (f) The bidder should submit the technical Catalogue/leaflet clearly mentioning the Model number, name of equipment and technical details.
- (g) An undertaking from the Original Manufacturer of the supply of goods/equipments (OEM) stating that they would facilitate the bidder on a regular basis with technology/product update should be submitted.
- (h) Average Annual Turnover during last three financial years should be minimum amount of Rs. 25 Lakhs. Audited Accounts of last three years needs to be submitted.
- (i) The Bidder has to submit a Self declaration Certificate to the effect that they are not black listed by any Govt. Organization/ Corporate Sectors.
- (j) Bidder should also submit the following documents:
 - I. GST Registration Certificate,
 - II. PAN
 - III. Profile of the Bidders along with previous supply & installation of similar type of machine.

Interested and eligible bidders are requested to apply through E-Tender (online) website www.tenderwizad.com/CIPET and also visit CIPET Website www.cipet.gov.in for the complete details on technical specification & commercial terms. CIPET reserves the right to accept or reject any or all the tenders either in part or in full without assigning any reasons thereof.

Last date and time for tender uploading will be 27-08-2019 UPTO 05.30 p.m. Technical Bid opening date and time will be 28-08-2019 AT 02:30 PM

For any Technical queries, the following officer may be contacted:

Dr. Abhishek Gandhi, Jr. Scientist, APDDRL CIPET Bangalore, Ph: +91-9968025517, Email: gandhi.iitdelhi@gmail.com

For queries relating to e-Tender including registration under e-Tender portal, uploading online bid, please contact the following officials of tenderwizad:

Sl. No.	Name of the Contact Person	Contact No.	Email. Id
01	Tender wizard Helpdesk, Bengaluru	080 4048 2100	cipethelpdesk@gmail.com
02	Mr. Janardhan	9986418425, 9686196767	

CIPET reserves the right to accept or reject any or all tenders either in part or in full without assigning any reasons thereof.

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SECTION IX - A

(Please see clause 7.2 (c) of instruction to bidders)

PROFORMA FOR PERFORMANCE STATEMENT

(For Similar/Same Goods/Equipment for a period of last three years)

Bid No.....Date of opening.....Time.....Hours

Name of the Firm.....

Order placed By	Order No and date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery		Remarks indicating reasons for late delivery, if any	Has the equipment been satisfactorily functioning?
				As per Contract	Actual		
1	2	3	4	5	6	7	8

Signature and seal of the Bidder

(Please submit the copy of the installation / commissioning report from minimum 2 buyers)

SECTION X

PROFORMA FOR DEVIATION STATEMENT
Please see Clause 8.3 (C) of Instructions to Bidders

Bid Ref No.

Time :

Date of Opening

Name of the Firm

Name of the Equipment quoted

Model No.:

Purchaser's Specification	Bidders Specification	Deviation, if any	Justification	Remarks

Note: Separate Deviation statements should be submitted along with the bid for all models / alternative quote

Annexure-1
Minimum Technical Specifications
FDM TECHNOLOGY 3D PRINTER SET



CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY:SARP-APDDRL-BENGALURU

NIT NO. CIPET: SARP-APDDRL/FDM Technology 3D Printer/2019-20/01

Name of the Equipment : FDM Technology 3D Printer Set


Name of the Bidder		
Technical Details/ Check List		To be filled in by the Bidder
		Upload (Yes/No/NA)
1	The bidder should be a manufacturer/authorized distributor/agent of a manufacturer, who must have designed, manufactured, tested and supplied the equipment(s) of similar to the type specified in the Schedule of requirements which shall be in successful operation for at least two years on the date of bid opening.	
2	The bidder should furnish the information on the past three year's supplies of 02 Nos. of similar/same goods/equipments and satisfactory performance in the proforma given under Section IX-A .	
3	Bidders shall invariably furnish documentary evidence (Client's Certificates) in support of the satisfactory operation of the equipment of similar type	
4	The bidder should furnish the Scope of Supply in a Separate Sheet	
5	The bidder should submit the technical Catalogue/leaflet clearly mentioning the Model number, name of equipment and technical details.	

6	An undertaking from the Original Manufacturer of the supply of goods/equipments (OEM) stating that they would facilitate the bidder on a regular basis with technology/product update should be submitted.		
7	Turnover of the Bidders of Last Three years shall be minimum of Rs. 25 lacs Pa (Audited Accounts to be submitted)		
8	Copies of Purchase Order/Satisfactory Performance Certificate in supply of similar items in the last three years ((Please submit the copy of the installation / commissioning report from minimum 2 buyers)		
9	The Bidders must have satisfactorily supplied & completed installation of similar type of Equipment at-least 02 nos. in any Govt. Organisations/PSU/Corporate Sectors during the last 5 years. The said Equipments are in satisfactory working condition for at least one year on the date of bid opening The Certificate in support of that from the user must be attached. The Customer Feed Back Certificate, if any may be enclosed.		
10	The Bidder has to submit a Self declaration Certificate to the effect that they are not black listed by any Govt. Organization/ Corporate Sectors.		
11	The vendor shall have local service and application office. Alternatively they should have sufficient infrastructure to attend service request within 48 hours of Service Call.		
12	The vendor should furnish details of customers in India		
13	Profile of the Bidders along with previous supply & installation of similar type of machine.		
14	Self Attested Photo copy of GST registration certificate.		
15	Self Attested Photo copy of PAN Card		
	Technical Specification		Vendor Remarks
	Make	To be Specified by vendor	
	Model	To be Specified by vendor	
SI No.	Item	Specification	Compliance
01. Dual Extrusion Fused Deposition Modelling system			
1	Technology	Dual Extrusion Fused Deposition Modelling system	
2	Build volume (mm)	240 x 240 x 230 or Better	
3	Layer Resolution (microns)	60 or Better	
4	Maximum Nozzle Temperature (°C)	280 or Better	
5	Print Speed (mm/s)	70 or Better	

6	Nozzle Diameter (mm) Brass make	0.4		
7	Filament take up Technology	Bowden drive		
8	Heated bed (°C)	100 or Better		
9	Connection	USB or Better		
10	Compatible Print Filament Materials	ABS, PLA		
11	Software	Automatic slicing software		
12	Print Filament spools (optional)	Vendor may provide a comprehensive list of filaments available for the particular model quoted		
13	Nozzles with diameter (optional) (mm)	1. 0.25 2. 0.5 3. 0.6 4. 0.8		
14	Hardened steel nozzle with diameter (mm)	0.4 (preferable)		
02. Single Extrusion Fused Deposition Modelling system				
15	Technology	Single Extrusion Fused Deposition Modelling system		
16	Build volume (mm)	140 x 140 x 150 or Better		
17	Layer Resolution (microns)	60 or Better		
18	Nozzle Diameter (mm) Brass make	0.4		
19	Maximum Nozzle Temperature (°C)	280 or Better		
20	Print Speed (mm/s)	70 or Better		
21	Filament take up Technology	Bowden drive		
22	Heated bed (°C)	100 or Better		
23	Connection	USB or Better		
24	Compatible Print Filament Materials	ABS, PLA		
25	Software	Automatic slicing software		
26	Print Filament spools (optional)	Vendor may provide a comprehensive list of filaments available for the particular model quoted		

27	Nozzles with diameter (optional) (mm)	1. 0.25 2. 0.4 3. 0.6 4. 0.8		
28	Hardened steel nozzle with diameter (mm)	0.4 (preferable)		
29	Spare Parts (Mention Name & Specification of Spare Parts in the Specification Coloumn)	01. ABS		
		02.		
		03.		
		04.		
		05.		
		06.		
		07.		
		08.		
		09.		
		10.		
30	Optional Accessories (Mention Name & Specification of Optional Accessories in the Specification Coloumn)	01. Printer Filament Spools		
		02.		
		03.		
		04.		
		05.		
		06.		
		07.		
		08.		
		09.		
		10.		

Annexure-2
Financial Bid
FDM TECHNOLOGY 3D PRINTER SET

 CENTRAL INSTITUTE OF PLASTICS ENGINEERING AND TECHNOLOGY:SARP-APDDRL-BENGALURU						
NIT NO. CIPET: SARP-APDDRL/FDM Technology 3D Printer/2019-20/01						
Name of the Equipment : FDM Technology 3D Printer Set						
Financial Bid						
Name of the Bidder						
Sl No.	Item	Specification	Quantity (A)	Unit	Basic Unit Price (B)	Amount (A x B)
01. Dual Extrusion Fused Deposition Modelling system						
1	Technology	Dual Extrusion Fused Deposition Modelling system	1	No.		0.00
2	Build volume (mm)	240 x 240 x 230 or Better				
3	Layer Resolution (microns)	60 or Better				
4	Maximum Nozzle Temperature (°C)	280 or Better				
5	Print Speed (mm/s)	70 or Better				
6	Nozzle Diameter (mm) Brass make	0.4				

7	Filament take up Technology	Bowden drive			
8	Heated bed (°C)	100 or Better			
9	Connection	USB or Better			
10	Compatible Print Filament Materials	ABS, PLA			
11	Software	Automatic slicing software			
12	Print Filament spools (optional)	Vendor may provide a comprehensive list of filaments available for the particular model quoted			
13	Nozzles with diameter (optional) (mm)	1. 0.25 2. 0.5 3. 0.6 4. 0.8			
14	Hardened steel nozzle with diameter (mm)	0.4 (preferable)			
02. Single Extrusion Fused Deposition Modelling system					
15	Technology	Single Extrusion Fused Deposition Modelling system			
16	Build volume (mm)	140 x 140 x 150 or Better			
17	Layer Resolution (microns)	60 or Better			
18	Nozzle Diameter (mm) Brass make	0.4	1		0.00
19	Maximum Nozzle Temperature (°C)	280 or Better			
20	Print Speed (mm/s)	70 or Better			
21	Filament take up Technology	Bowden drive			

22	Heated bed (°C)	100 or Better		
23	Connection	USB or Better		
24	Compatible Print Filament Materials	ABS, PLA		
25	Software	Automatic slicing software		
26	Print Filament spools (optional)	Vendor may provide a comprehensive list of filaments available for the particular model quoted		
27	Nozzles with diameter (optional) (mm)	1. 0.25 2. 0.4 3. 0.6 4. 0.8		
28	Hardened steel nozzle with diameter (mm)	0.4 (preferable)		
29	Spare Parts (Mention Name & Specification of Spare Parts in the Specification Column)	01. ABS	1	0.00
		02.	1	0.00
		03.	1	0.00
		04.	1	0.00
		05.	1	0.00
		06.	1	0.00
		07.	1	0.00
		08.	1	0.00
		09.	1	0.00
		10.	1	0.00
30	Optional Accessories (Mention Name & Specification of Optional Accessories in the Specification Column)	01. Printer Filament Spools	1	0.00
		02.	1	0.00
		03.	1	0.00
		04.	1	0.00
		05.	1	0.00
		06.	1	0.00
		07.	1	0.00
		08.	1	0.00
		09.	1	0.00

		10.	1			0.00
31	Packing & Forwarding Charges	Inclusive	-		-	-
32	Installation & Commissioning Charges	Inclusive	-		-	-
33	Transport & Freight Charges	Inclusive	-		-	-
34	Any Other Charges (Pl. mention the nature of Charges)	Inclusive	-		-	-
Total Amount (Without GST)						0.00
GST (%) *						5.00%
Total Amount (Inclusive of GST)						0.00

Warrantee	12 Months from the date of Installation
Shipping, Insurance, Installation & Training and any other cost.	Should be inclusive in the bid cost
*This Equipment is for R&D activities, GST should be charged 5% only since CIPET is having DSIR certificate. Necessary Certificate will be issued to the supplier for concessional rate of GST.	

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