

**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
HISAR-125001**

**INDEX**

<b>SR. NO.</b>	<b>DESCRIPTION</b>	<b>PAGE NO.</b>
1.	TENDER NOTICE / INVITATION TO BIDDERS	2
2.	TERMS AND CONDITIONS	4
3.	TECHNICAL SPECIFICATIONS (ANNEXURE-I)	10
4.	PRICE / COMMERCIAL BID (ANNEXURE-II)	12

**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
HISAR-125001**

**Tender Notice for Supply of Equipment(s)**

To

-----  
-----

**Subject: Invitation for Tender for Supply of ‘3D Printer with Exhaust System’ for project entitled ‘Cost-effective Multifunctional Prosthesis for Disabled Persons’.**

Dear Sir,

You are invited to submit your most competitive tender for the following equipment(s) with terms and conditions as mentioned in this document.

**A. SCHEDULE OF EVENTS**

1.	TENDER NO.	ME/2020/1640 Dated : 15.09.2020
2.	TENDER FLOATING DATE	16.09.2020
3.	TENDER SUBMISSION CLOSING DATE AND TIME	06.10.2020 up to 03:00 PM
4.	TENDER OPENING DATE AND TIME	06.10.2020 at 03:30 PM
5.	VENUE FOR TENDER SUBMISSION AND OPENING	Chairperson, Department of Mechanical Engineering, GJUS&T, Hisar
6.	PRE-BID CONFERENCE (IF ANY)	N/A
7.	TENDER DOCUMENT COST	Rs. 300.00

\*Tender number must be mentioned in all correspondence.

**B. BRIEF DESCRIPTION OF TENDER DOCUMENT**

This tender document consists of following parts: -

**1. Brief Description of the Equipment**

It mentions the name of the equipment required and its quantity. The quantity is subjected to increase and decrease, at the discretion of the indenter.

**2. Technical Data Sheet (Technical Specifications of the Equipment)**

It contains the technical details/specifications of the equipment. It should be submitted in separate sealed envelope marked as ‘Technical Bid’. Bids having deviation in technical specification will be declared as ‘Technically Non-Responsive’ and it will not be considered for commercial evaluation.

**3. Commercial Data Sheet**

This format deals with the commercial aspect of the tender. The bidder should quote the basic/ex-works rate of goods and other overhead charges only in this format.

**4. General / Standard Terms and Conditions**

This portion contains the general/standard terms and conditions of the tender and its compliance is essential, failing which the contract may be cancelled and bidder may be liable for penal action against it.

**5. Special Terms and Conditions (If Any)**

It contains special terms and conditions which may be in addition to/in supersession of the referred ‘General / Standard Terms and Conditions’ and its compliance is also compulsory in the same manner as in the case of the ‘General / Standard Terms and Conditions’.

**C. TENDER DETAILS**

**1. Brief Description of the Equipment**

<b>Sr. No.</b>	<b>Name of equipment</b>	<b>Quantity required</b>
1.	3D Printer with Exhaust System	1

**2. Technical Data Sheet (Technical Specifications of the Equipment)**

<b>Sr. No.</b>	<b>Name of equipment</b>	<b>Technical Specifications</b>
1.	3D Printer with Exhaust System	ANNEXURE - I

**3. Commercial Data Sheet**

The price/commercial data sheet having format for the tender commercial bid is provided at ANNEXURE – II.

#### 4. **General / Standard Terms and Conditions of the Tender**

##### 1. **Two Envelope Bid**

**The tender is to be submitted on two envelope bid pattern i.e. “Technical bid” and “Price/commercial bid” in separately sealed envelopes.** Both of these envelopes should be put in and sealed in another envelope addressed to ‘Project Mentor and Chairperson, Department of Mechanical Engineering, Guru Jambheshwar University of Science & Technology, Hisar-125001 (Haryana), India’ and super-scribed in bold as **“TENDER FOR SUPPLY OF 3D PRINTER WITH EXHAUST SYSTEM”**.

The “Technical bid” should mention only the technical details of the item/equipment. Price per unit be mentioned only in the “Price/Commercial bid” format.

##### 2. **Bid Signing**

The Tender must be signed by authorized signatory of the bidding firm/company on each page, along with seal of the firm/company, as the case may be.

##### 3. **Conditional Bid**

Conditional Bid is not acceptable. Hence, the supplier is advised neither to alter the specification nor to mention anything on the Tender form, except cost, signature with seal, otherwise his Tender will not be considered.

##### 4. **Delivery Destination**

The Tender should be quoted as FOR GJUS&T, Hisar. The transient insurance and freight charges etc., if any, needs to be mentioned separately of the basic/ ex- works price of the quoted item.

##### 5. **Delivery Acceptance**

The delivery of the material will be handed over to the authorized official of the concerned indenting department/office, however, the goods will be deemed to accept subject to the approval of the inspection committee of GJUS&T. In case of rejection of the consignment, the supplier should immediately remove the consignment from the University premises failing which it will remain there at the risk and responsibility of the supplier and University will not be responsible for any kind of liability in this regard.

##### 6. **Delivery Period**

The supply is to be made within 30 days of the date of dispatch of the supply order. However, in case of imported goods this time limit will be 60 days, instead of 30 days.

## **7. Delivery Period Extension**

The supply order(s) shall be executed within the time specified in this regard. However, in case of Force Majeure / reasons beyond control of the supplier, he may make a written request to the Vice-Chancellor for grant of extension for delivery period. The written request in this regard should clearly spell out such reasons. The Vice Chancellor, if he is satisfied of such reasons and further that the requested extension will not be detrimental to the interests of the University, may grant extension for a reasonable period for delivery of the goods. The supplier would be required to indemnify the University against any loss on account of downfall of the price during the extended period.

## **8. Penalty for Delayed Supply**

In the event of the delayed supply, if accepted, the Registrar will be competent to impose penalty @ 1% per day of the purchase order, provided that the entire amount of penalty shall not exceed 10% of the total amount of Purchase order. The supply will be deemed to be complete on the day when 100% supply is handed over to the indenter (in case of supply in installments) and its installation is done. An appeal against these orders shall lie to the Vice-Chancellor whose decision shall be final.

## **9. EMD Forfeiture**

In case of the contractor backs out the supply, the earnest money deposited by him shall be forfeited. Apart from it, he will be liable for any other action against him, as may be considered necessary by the Vice-Chancellor.

## **10. Rejection of Incomplete Tenders**

Incomplete Tender such as unsigned Tender, late submitted Tender, conditional Tender, not confirming to the eligibility criteria and Technical specification or with any vague term such as “Extra as applicable”, will be considered as rejected.

## **11. Quantity Variation**

The quantity shall be subject to increase or decrease as the case may be.

## **12. Manual / Literature**

The detailed literature/catalogue of the quoted instrument and its accessories should also be attached with the tender. The specifications claimed by the firm should be clearly mentioned in the literature/catalogue also. Its manual should also be supplied with the equipment.

## **13. Taxation**

Taxes/Excise duty/Custom duty etc. should be quoted independent of the ex-works price of the item and it will be paid as applicable under Government rules, if so quoted by the Supplier in the tender, subject to the certificate in the bill of costs as follows. However, wherever exemption from duty (excise/custom duty) is

applicable, the university will provide the exemption certificate, along with supply/purchase order itself.

In case of imported goods, the custom clearance is to be arranged by the supplier at his own. Charges, if any, in this regard, however, need to be mentioned accordingly in the quote itself. University will provide necessary documents for this purpose. In case the quote is silent with regard to taxation and clearance charges etc. , no such charges will be paid by the university.

#### **14. Right to Bid Rejection**

The University reserves the right to reject any or all offers without assigning any reason.

#### **15. Packaging of Consignment**

The material should be packed in a strong case so as to avoid any damage, theft or pilferage in the transit, in which case the responsibility shall be that of the supplier.

#### **16. Warranty**

The warranty should not be less than 12 months from the date of installation of the equipment.

#### **17. Performance Warranty**

Before release of the payment, the successful bidders will be required to submit a performance warranty in form of bank guarantee equal to 10% of the purchase order for the warranty period of the equipment.

In case of imported goods requiring opening of LC or advance copy of the draft, the bank guarantee on account of performance warranty, having validity for warranty period plus 4 months, should be submitted before issuance of the purchase order by the indenter. If required, its validity will be got suitably extended by the supplier before release of his EMD.

#### **18. Payment**

The payment will be made within 30 days of the successful installation and its inspection and further after the on-site training imparted, if it is the requirement of the tender document.

#### **19. Currency**

The rates be quoted in Indian Currency (INR). However, in case of imported item it may be quoted in foreign currency where in the date of floating of tender will be taken as the conversion date for bid evaluation and comparison purpose.

#### **20. Earnest Money Deposit (EMD)**

The earnest money of the amount, as per the slab given below, in the form of bank draft Payable at Hisar and drawn in favor of the Registrar, Guru Jambheshwar University of Science & Technology, Hisar or an irrevocable bank guarantee, will

be required to be remitted with the tenders. **EMD should be enclosed with price bid and the same should be indicated in the Technical bid also.**

## **21. Arbitration**

In case of any dispute, both the parties will be bounded by the decision of the Vice-Chancellor, GJUS&T, Hisar, as the arbitrator.

## **22. Jurisdiction**

All disputes shall be subject to Hisar jurisdiction.

### **EMD Slab: -**

<b>Sr. No.</b>	<b>Contract Value (Rs.)</b>	<b>Earnest Money</b>
1.	Rs. 3,00,001/- to Rs. 5,00,000/-	Rs. 20,000/-
2.	Rs. 5,00,001/- to Rs. 10,00,000/-	Rs. 40,000/-
3.	Rs. 10,00,001/- to Rs. 20,00,000/-	Rs. 70,000/-
4.	Above Rs. 20,00,000/-	Rs. 1,00,000/-

## **5. Special Terms and Conditions**

1. The bidder must be an authorized OEM distributor or authorized OEM reseller and the certification of the same must be enclosed along with technical bid of the tender.
2. The bidder must provide the list of IITs/NITs or Government institutions where similar items have been supplied by the bidder in the last three years.
3. The bid must be supplied for all the items mentioned at ANNEXURE-1, failing to do which the tender will be considered as rejected.
4. The catalogue of the quoted equipment and accessories must be attached with the tender. The specifications claimed by the firm should be clearly mentioned in the catalogue.
5. The equipment will be installed completely at GJUS&T, Hisar. The University will not provide any auxiliary part such as wires, cables, etc. and the same has to be arranged by the successful bidder at the time of installation.
6. It is necessary to provide training for lab/technical personnel including troubleshooting, etc. The literature of the equipment such as user manuals, troubleshooting guides, etc. must be provided by the successful bidder at the time of installation.
7. It is the responsibility of the successful bidder to arrange all the measuring instruments at the time of inspection.
8. In case of short supply or wrong supply of equipment, damaged parts or accessories, it is the responsibility of the successful bidder to arrange for the supply of required items in working condition as per the purchase order, within the period specified

for the instrument. Any additional expenditure, whatsoever, for the above will be borne by the successful bidder only.

Project Mentor and Chairperson  
Department of Mechanical Engineering  
GJUS&T, Hisar

The terms and conditions of the tender have been read and I/We certify that I/We clearly understand the same and undertake for its compliance.

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

Date: \_\_\_\_\_

Signature of authorized representative  
of the bidding firm/company with seal.  
(Affix rubber stamp of the firm)

**Note: - Please submit this along with tender.**



**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
HISAR**

**Technical Specifications / Technical Data Sheet of the Equipment Required**

**TENDER NO. AND DATE:**

<u>Equipment</u>	<u>Specification</u>
<b>3D Printer with Exhaust System</b>	<p>Parts to be manufactured by 3D printer using fused deposition modeling (FDM) technique; having minimum 20 microns layer resolution, 20 mm<sup>3</sup>/s print speed, with exhaust system, built-in live monitoring system and touch screen control panel.</p> <p>i. Printer head features:</p> <ul style="list-style-type: none"> <li>• Dual-extrusion head with auto-nozzle lifting system; capable of printing multiple build and support materials.</li> <li>• Swappable print cores with nozzle diameter 0.25 and 0.4 mm; compatible with multiple build and support materials.</li> </ul> <p>ii. Printer bed features:</p> <ul style="list-style-type: none"> <li>• Detachable glass build plate.</li> <li>• Automatic leveling of build plate.</li> </ul> <p>iii. Feeder system features:</p> <ul style="list-style-type: none"> <li>• Bowden-type feeder system.</li> <li>• Filament flow sensor.</li> <li>• Built-in sensor for material recognition.</li> <li>• Detachable spool holder.</li> </ul> <p>iv. Exhaust system:</p> <ul style="list-style-type: none"> <li>• Compatible with 3D printer.</li> <li>• Equipped with ultra-fine particle filter of size less than 0.1 microns.</li> <li>• Mechanism for exhaust to environment.</li> </ul> <p>v. Printer build volume:</p> <ul style="list-style-type: none"> <li>• X x Y x Z: Minimum 300 x 200 x 300 mm.</li> </ul> <p>vi. Connectivity:</p> <ul style="list-style-type: none"> <li>• Wi-Fi, LAN and USB Port.</li> </ul> <p><u>Accessories:</u></p> <p>i. Software:</p> <ul style="list-style-type: none"> <li>• Compatible with 3D printer.</li> <li>• Slicer and command generation for 3D printer.</li> <li>• Material consumption tracking and live status update.</li> <li>• Input file type – STL, OBJ, JPG, PNG, etc.</li> <li>• Output file type – G, GCODE, GCODE.gz, etc.</li> </ul>

	<p>ii. Post-processing tools:</p> <ul style="list-style-type: none"><li>• Allen key set.</li><li>• Ultrasonic clearer with 3 liter capacity</li><li>• Cordless soldering iron with interchangeable standard, needle, knife and scoop tips.</li><li>• Chemical resistant and solvent resistant container with lid.</li></ul> <p>iii. Humidity controller:</p> <ul style="list-style-type: none"><li>• Compatible with 3D printer</li><li>• Capacity to hold 2 spools during printing</li><li>• Maintain humidity of printing material</li></ul> <p>iii. Printing materials:</p> <ul style="list-style-type: none"><li>• Polylactic Acid (PLA), 1 spool of minimum 750 gm.</li><li>• Polyvinyl Alcohol (PVA), 1 spool of minimum 750 gm.</li></ul>
--	--

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

Date: \_\_\_\_\_

Project Mentor and Chairperson,  
Department of Mechanical Engineering  
GJUS&T, Hisar

### BIDDER'S ACKNOWLEDGEMENT

I UNDERTAKE TO SUPPLY THE EQUIPMENT / ITEM AS PER ABOVE TECHNICAL SPECIFICATIONS.

PLACE: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE OF THE  
BIDDER WITH SEAL

**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
HISAR**

**Format of Tender – Price / Commercial Bid**

**TENDER NO. AND DATE:**

**A. BASIC / EX-WORKS PRICE**

Sr. No.	Brief description of the Equipment	Specifications	Qty.	Cost per unit*	Total cost*

\*Specify currency

**B. OVERHEAD CHARGES (TAXATION ETC.)**

Sr. No.	Nature of overhead charges (Tax/Insurance/Freight etc.)	Rate	Total Amount (Rs.)

Total (A+B) = Rs. \_\_\_\_\_ (in words \_\_\_\_\_)

We agree to supply the above Equipment in accordance with the above technical specifications for a total contract price referred as above, with in the period specified in the Invitation for Tender. We also confirm that the normal commercial warranty/guarantee as per tender document shall apply to the offered Equipment/Software/Furniture.

Signature of the supplier with seal  
Correspondence address of the company  
With Phone, Fax and Email and  
Name & Address of contact person

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

Date: \_\_\_\_\_