

INVITATION FOR QUOTATION

Package Name: Additive manufacturing printing machine

DIC/UIET

Date: 22-02-2017

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation (separate technical and price bids) for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Additive manufacturing printing machine	1	30	University Institute of Engineering & Technology	Yes

2. Quotation,

2.1 The contract shall be for the full quantity as described above.

2.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

2.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

2.4 Applicable taxes shall be quoted separately for all items.

2.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

2.6 The Prices may be quoted in Indian Rupees or foreign currency.

3. Each bidder shall submit only one quotation.
4. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
5. Quotes should be comprise of separate technical and price bids
6. Evaluation of Quotations,
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
 - 6.1 are properly signed ; and
 - 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made as follows:
Delivery and Installation - 90% of total cost
Satisfactory Acceptance - 10% of total cost
10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **17:00** hours on **08-03-2017**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**

15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
University Institute of Engineering and Technology, Sector-25, South Campus Panjab University
Chandigarh
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Technical specifications:-

SL No.	Description
1	Additive Manufacturing machine with technical features given in Table-2

2	Compatible Software with technical features given in Table-2
3	Three Years Warranty with turn around operational time upto 48 hours from the time of complaint logged
4	Desktop Start-up Kit
5	Desktop Water Jet System
6	2 No of Print Heads
7	2 Cartridge of bio-compatible consumable material, 1KG each
8	2 Cartridge of Rigid Opaque white material
9	2 Cartridge of transparent material, each 1Kg
10	2 Cartridge of Support material, 1kg each
11	Installation, Commissioning, Hands-on Training on System and Software
12	Vendor must have OEM presence in India

Sl.No.	Description	Specifications
1	Technology	Additive Manufacturing Machine/ Rapid prototyping 3D Printing system with technology based injecting liquid based Photo polymers to create ultra-thin uniform layers using a non-laser based technology. The technology should be capable of creating highly accurate and good surface parts for Form / Fit and functional usage. Material jetting technology should be capable of producing Physical Models & assemblies to check fitment, form, ergonomics, visualization, Rubber –Like flexible, Bio-compatible material with medical approvals including cytotoxicity, genotoxicity, delayed type hypersensitivity, irritation, High Temperature and Transparent materials.

2	Process	<p>Process has to be clean and which can be installed in a design office/lab setup.</p> <p>The process has to be safe and should not emit harmful radiation, hazardous lasers or toxic fumes.</p> <p>Operator intervention to be minimal and has to be unattended.</p> <p>The material feed has to be automated and software capable of tracking the material consumption and have a live status update during the build.</p>
3	Build Size	The Minimum tray size should be 300 x 200 x 150 mm or more.
4	Materials	<p>Photo Polymer based resins which can produce rigid opaque material, Rubber-Like flexible material, Medical Grade material, Should support minimum 10 different materials including transparent materials, Materials which can be subjected to high temperatures upto 80deg C, elastomers (Rubber like), Bio-compatible Materials which offer excellent visualization and great dimensional stability for dental delivery trays, surgical orthopaedic guides and hearing aids, Tough Polypropylene materials capable of withstand the stress of living hinges, flexible closures and snap-fit parts.</p> <p>Support Material: Non-toxic gel –like photopolymer support and Cleaning of support material should with water and should be easy and simple</p>
6	Layer thickness	20 microns or better
7	Accuracy	0.1 mm or better
8	Software	<p>Software should be capable of:</p> <ul style="list-style-type: none"> • Easy tray setup including multiple models and materials • Automatic support generation • On-the-fly slicing so printing can start right away • Auto-placement of trays for accurate, consistent positioning
9	Necessary requirements of Parts built	<ul style="list-style-type: none"> • Parts to be durable enough for fit form and functional testing. • Should produce complex assemblies with ultra-smooth surfaces with fine details

10	Material Packing	The materials should be available in sealed cartridges to avoid human exposure.
11	Post Curing	Parts Printed should not require any mandatory post-treatment like thermal /chemical curing after printing.
		The post-print cleaning should not involve any chemical treatment or exposure of parts to any specific chemicals for cleaning
	Post Processing Equipment's & Facilities	Should not have more than one mandatory post-processing equipment for post curing / support cleaning. Waterjet system should be used for support removal and no heating equipment for support removal
12	Network Connectivity	LAN – TCP/IP
13	Workstation Compatibility	Windows 7 64-bit or Windows 8 64-bit
	Support Removal	Print object cleaning device: Must clean support material. Must be self-contained with no external dirt, wax, oil etc. Device must be cleanable and maintainable in-place with minimal
14	Operator	Easy to use and hands free to the maximum possibility.

Support removal Specs

Support Removal	<p>Print object cleaning device: Must clean support material. Must be self-contained with no external dirt, water etc. Device must be cleanable and maintainable in-place with minimal mess and the following specifications:</p> <ol style="list-style-type: none">1. Water pump Pressure – upto 9Kg.2. Electrical Power rating - 100 VAC, 50/60 Hz, 10 Amp.3. Type- Tabletop
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NOTE:- Prices may be quoted in domestic or foreign currency

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ———— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____