

NOTICE INVITING QUOTATIONS (NIO)

Quotations are invited for the purchase of high 3-D Printer for specific research and development work. The technical specifications of the same are as given below:

Sr. No.	Technical Specifications	
1	Technology	Fused Filament Fabrication
2	Build Volume	230mm x 230mm x 230mm cube
3	Printing Material	ABS, PLA, HIPS, Nylon, PC (All engineering thermoplastics)
4	Accepted Filament Diameter	1.75mm (Standard Filament Spool)
5	No. of Extruders	Two
6	Nozzle Bore	0.4mm (Main Extruder), 0.4mm (Support Extruder)
7	Layer Resolution	100µm
8	Maximum Extrusion Temperature	Greater than 300°C
9	Build Platform	Heated Type
10	Support Material Printing	Available, Auto generated
11	Dual Colour Printing	Available
12	Multi Material Printing	Available
13	XY Positions System	Belt Driven Precision Core XY Drive
14	Z Positioning	Lead Screw
15	Chassis	MS and Aluminum sheet metal, Powder coated
16	Positional Accuracy	Less than 30µm
17	Print Speed	100mm/sec, 60mm/sec typical
18	Power Requirement	220V AC, Single Phase, 16A
19	Special Operations Requirements	None
20	Data Import Format	.stl, .amf, .obj
21	Pre-processing Software Licensing	Perpetual License
22	Workstation Compatibility	Windows XP, Windows 7, Linux
23	PrintProtect power cut safety feature	Available

TERMS AND CONDITIONS

1. The technical and commercial bids must be submitted in separate sealed envelopes subscribed with "**Technical Bid**" or "**Commercial Bid**" as appropriate. Both the technical and the commercial bids should be enclosed in an envelope subscribed "**Quotation for 3D Printer**" and should be submitted to ME office/stores/undersigned.
2. The validity of the quotation must be at least 3 months. Prices should be quoted CIF IIT Delhi.
3. The cost of printer and other items if any should be separately mentioned along with details of taxes. Warranty period (1 year/2 years/3 years) should also be mentioned.
4. The item must be a standard product of the company/firm. Catalogue of the equipments must be supplied positively along with the technical bid.
5. The compliance certificate should be provided.
6. The supplier must be an authorized dealer/distributor of the principal/manufacture. An authorization certificate must be submitted from the principal/manufacture.
7. Purchase procedure/rules of IIT Delhi will be strictly followed. IIT Delhi reserves the right to cancel any or all quotations without assigning any reason thereof. IIT Delhi does not encourage any advance payment and payment will be made after delivery and successful installation.

The quotations should reach at the below address latest by 28th November 2014 (5:00 PM).

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P. Pandey
07.11.2014.
(Dr. Pulak M. Pandey)

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