



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament)
कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR
नपाम :: तेजपुर - 784028 :: असम
NAPAAM :: TEZPUR - 784028 :: ASSAM

SHORT QUOTATION NOTICE

TU/11-24/Pur/Qtn/2017-18/...5363... Dated: 21/2/18.....

Sealed quotations are invited from reputed manufacturers/authorized dealers/vendors for supply, installation & commissioning etc. of following items required for the DeitY sponsored research Project of Dr. Nidhi S. Bhattacharyya, Department of Physics, Tezpur University. Those who have participated in response to our Earlier Notice No. **TU/11-24/Pur/Qtn/2017-18/4247-A** dated **28.12.2017** need not participate again. However, revised offer/quotation if any may be submitted in reference to their earlier offer/quotation, and in such cases no Tender Fee and EMD is to be paid.

LIST OF EQUIPMENT(S) WITH SPECIFICATIONS:

PCB engraving with 3D printing support machine:

▪ Functions required:	Milling single, double-sided PCBs, multilayer and RF boards
▪ Design Software:	Mandatory (Language: English)
▪ Smart Interface:	Required
▪ Max. material size and layout area (X×Y×Z):	>250 mm×250 mm×5 mm
▪ Travel speed diagonal (X×Y):	> 40 mm/s
▪ Milling spindle (rpm):	> 40,000 rpm
▪ Drilling speed:	>50 holes/min
▪ Repeatability:	<± 5 μm
▪ Mechanical resolution (X/Y):	< 1 μm
▪ Resolution (Z):	< 0.5 μm
▪ Precision:	< ± 20μm
▪ Accuracy in the fitting hold system:	< ± 20 μm
▪ Vacuum Table:	Best if included
▪ Structure holder Resolution:	< 200 μm
▪ SMT capability:	Optional
▪ Mechanical Milling:	Required
▪ Material support for milling:	PCB, Wood, Acrylic, aluminium, copper, steel
▪ Milling bit support:	End mill, Carbide PCB engraved bit,
▪ LASER Structuring:	Required
▪ Laser Head power:	2Watt (min.)
▪ Laser safety goggles:	Required
▪ 3D Printing	Required
▪ 3D Printer (specs)	
i. Nozzle Diameter:	i. 0.4 mm (atleast)
ii. Filament Diameter:	ii. 1.75 mm (atleast)
iii. 3D Printing Platform:	iii. 234.67 x 239.98 mm 9.24 x 9.45 in (approx.)
iv. 3D Printing Build Volume:	iv. 165 x 165 x 165 mm 6.5 x 6.5 x 6.5 in (approx.)
▪ 3D Printer Filament Support:	ABS,PLA, Nylon

