	Annexure: 0			
TECHNICAL COMPLIANCE SHEET FOR LASER ENGRAVING MACHINE				
SI. No.	Description	Compliance (Yes/No)	If, no. State the deviation	
1	Supply, erection, commissioning and proving of the machine to			
	desired capacity, technical parameters, temperature accuracy and			
	specified quality and rated output for the components as per input			
	drawings and in compliance with the technical specification.			
2	Firm to specify Model / Make of the machine for desired			
	specification in technical bid.			
3	Engraving / Cutting Area (X, Y axes)			
	1220mm x 910mm or (4' x 3')			
4	X , Y axes Rails:			
	Linear guide way.			
	The pulleys/pinion should be equipped with maintenance free U			
	shape bearings.			
5	Z Axis Moving: Automatic			
6	Laser Power: 100W / 135W / 170W			
7	Max. Cutting Depth/ Thickness : 20 / 25 / 30mm for materials as			
	Acrylic, MDF, etc.			
8	Table / Bed: Motorized Up/Down Flatbed Table			
9	Minimum Letter Size: 1mm – 1.5mm (English Font)			
10	Resolution: Range of 125 DPI to 1200 DPI			
11	Laser Source: Metal Laser Tube type, Sealed CO2 Laser, Auto Focus			
12	Laser Pointer Safety: Visible-Beam Lasers: Class 2, Class 3R			
13	Max. Engraving Speed: 0-2000mm/s			
14	Speed Control: Adjustable from 0.1 to 100%			
15	Drive type: AC Servo Control			
16	Software supported for output data:			
	Supported on Windows Platform i.e. ArtCut, LaserCut, AutoCAD,			
	CorelDraw or equivalent.			
	Graphic Format Supported: PLT,DXF,DST,BMP,JPG,JPEG,PNG,TIF,			
	etc.			
17	Control System: Best suitable Control system with control card and			
	its application / controlling software, should be provided along			
	with the interface of the designing software.			
18	Interface: USB 2.0 / 3.0 / higher Interface, or Ethernet.			
	Online & Offline Operation: To transmit data from PC to machine			
	by USB cable or transmit by Flash Memory Disk.			
19	Memory Buffer: 265MB or Higher			
20	Display Panel: Touch Panel for Graphical display with Parameter			
	Setting			

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21	Machine Base: Should be rigid for vibration damping along with	
	levelling adjustment (if desired).	
	Castor Wheels: Machine should be equipped with castor wheels to	
	make it easier to move it around the workshop (when desired).	
22	Illumination: Inside cabin light, should have a viewing window	
	through the main access door.	
23	Cooling: Air cooled	
24	Air Extraction System: External Exhaust System is to be equipped	
	as desired to the specific model. Preferably on the back of the	
	machine.	
25	Certification / Quality Assurance: CE Certificate, ISO9001:2008,	
	FDA. All parts and accessories must be OEM products and	
	certified.	
26	Warranty: Standard warranty of one year for machine and its	
	accessories.	
27	Reference List: Tenderer shall furnish the Reference List of firms	
	where they have supplied similar machine giving details like: a)	
	Firm Address with Fax no. and Name of Contact Person, b) Model	
	& c) Year of supply. If the model is not similar, it shall be	
	mentioned specifically.	
28	In case the tenderer outsources certain important/essential	
	process/parts/sub assemblies, the details of vendors/ sub	
	contractor and facility available at their works shall be specifically	
	furnished for purchaser to verify the same. In this regard the	
	tenderer should furnish the complete address along with Name &	
	designation of contact person of the vendor(s) / sub contractor(s).	
	A written permission should be enclosed that purchaser's	
	representatives are authorized to enter vendor's/sub contractor's	
	works/premises for verification of the facilities and/or services	
	being offered /given to the OEM tenderer.	
29	Training to be given in operation, and maintenance of the	
	machine.	
30	At Firm's (tenderer) work (PDI):Technical acceptance as per firm's	
	standard test chart (Geometrical test) with desired calibration.	<u> </u>
31	At National Council of Science Museums, Kolkata:	
	Proving the machine parameters to specification.	
	Technical acceptance as per firm's standard test chart of various	
	parameters.	