

Technical Evaluation Statement												
SUPPLY INSTALLATION TESTING AND COMMISSION OF MAKERS LAB EQUIPMENT -TURNKEY PROJECT												
Sl. No	Name of Equipment	Description		M/s. Fine Weld Systems		M/s. Novastar Consultancy Private Limited		M/s. RIA Electronics		M/s. Technoventor Innovations Private Limited		
1		Specification		Complied/ Not complied (Yes / No)	Remarks (in case not complied)	Complied/ Not complied (Yes / No)	Remarks (in case not complied)	Complied/ Not complied (Yes / No)	Remarks (in case not complied)	Complied/ Not complied (Yes / No)	Remarks (in case not complied)	
		Make & Model		Prusa: Core One		Creality: Ender 3 S1 Pro		Divbz: AccuCraft 1250+		Fracktal Works: Julia 200		
	Single Extruder 3D Printer	Minimum 200 × 200 × 200 mm	2	Complied		Complied		Complied		Complied		
FDM/FFF		Complied			Complied		Complied		Complied			
Up to 300 mm/sec		Complied			Complied		Complied		Complied			
XY: 8 μ		Complied			Complied		Complied		Complied			
Z: 2 μ		Complied			Complied		Complied		Complied			
Up to 120 °C		Complied			Complied		Complied		Complied			
Direct Drive		Complied			Complied		Complied		Complied			
1		Complied			Complied		Complied		Complied			
0.4mm		Complied			Complied		Complied		Complied			
Passive (Minimum requirement)		Complied			No (Not Complied)	No Encloser	Complied		Complied			
Up to 750 W		Complied			Complied		Complied		Complied			
PLA, ABS, FLEX, Nylon, PETG, PC, Carbon Fiber Nylon, TPU		Complied			Complied		Complied		Complied			
Yes		Complied			Complied		Complied		Complied			
Yes		Complied			Complied		Complied		Complied			
Upto 3.5 inch		Complied			Complied		Complied		Complied			
Minimum 5 MP		Complied			Complied		Complied		Complied			
Yes		Complied			Complied		Complied		Complied			
Yes		Complied			Complied		Complied		Complied			
220V 50/60Hz		Complied			Complied		Complied		Complied			
USB, Wi-Fi, Ethernet		Complied			Complied		Complied		Complied			
Open Source	Complied		Complied		Complied		Complied					
0.2 mm , 0.4 mm & 0.6 mm – 2 set each	Complied		Complied		Complied		Complied					
		Specification		Prusa: XL		Creality: CR 10 Smart Pro		Anycubic: Kobra 3 Combo		Bambu Lab: A1 Combo		
	Multi Color 3D Printer	Make & Model		Prusa: XL		Creality: CR 10 Smart Pro		Anycubic: Kobra 3 Combo		Bambu Lab: A1 Combo		
Minimum 10 x 10 x 10 in, should have capacity up to 1000 cubic inch (in³)		Complied		Complied		Complied		Complied		Complied		
Up to 300 °C		Complied		Complied		Complied		Complied		Complied		
0.4 mm (compatible with 0.2 mm, 0.6 mm, 0.8 mm)		Complied		Complied		Complied		Complied		Complied		
Textured PEI Plate / High Temperature Plate / Cool Plate		Complied		Complied		Complied		Complied		Complied		
Up to 500 mm/sec		Complied		Complied		Complied		Complied		Complied		
Up to 10 m/s²		Complied		Complied		Complied		Complied		Complied		
PLA, PETG, TPU, PVA,		Complied		Complied		Complied		Complied		Complied		
Should be compatible with Automatic Filament System/Provided		Complied		Complied		Complied		Complied		Complied		
Closed Loop		Complied		Complied		Complied		Complied		Complied		
Should have basic features including Monitoring Camera, Filament Run Out Sensor, Filament consumption monitoring, Power Cut Restart, Filament Tangle Sensor:		Complied		Complied		Complied		Complied		Complied		
Max 500 × 450 × 450 mm		Complied		Complied		Complied		Complied		Complied		
220 VAC, 50/60 Hz		Complied		Complied		Complied		Complied		Complied		
Up to 1500W		Complied		Complied		Complied		Complied		Complied		
Max 15 kg		Complied		Complied		Complied		Complied		Complied		
Perpetual License		Complied		Complied		Complied		Complied		Complied		
0.2 mm, 0.4 mm & 0.6 mm – 2 set each		Complied		Complied		Complied		Complied		Complied		
				1								
			Specification		Creality: Hi Combo		Fishforge: Advancer 5m Pro		Anycubic: Kobra 2 Neo Combo		Bambu Lab: A1 Mini Combo	
		Mini Multi Color 3D Printer	Make & Model		Creality: Hi Combo		Fishforge: Advancer 5m Pro		Anycubic: Kobra 2 Neo Combo		Bambu Lab: A1 Mini Combo	
Min 7 × 7 × 7 in, Should have capacity up to 355 cubic inch (in³)	Complied			Complied		Complied		Complied		Complied		
Steel + Extruded Aluminum	Complied			Complied		Complied		Complied		Complied		
All-Metal	Complied			Complied		Complied		Complied		Complied		
Hardened Steel	Complied			Complied		Complied		Complied		Complied		
Stainless Steel	Complied			Complied		Complied		Complied		Complied		
Should be compatible with Automatic Filament System/Provided	Complied			Complied		Complied		Complied		Complied		
Up to 300 °C	Complied			Complied		Complied		Complied		Complied		
0.4 mm by default	Complied			Complied		Complied		Complied		Complied		
Up to 1.75 mm	Complied			Complied		Complied		Complied		Complied		
Up to 80 °C	Complied			Complied		Complied		Complied		Complied		
Up to 500 mm/sec	Complied			Complied		Complied		Complied		Complied		
28 mm³/s @ ABS (Model: 150 × 150 mm single wall; Material: ABS; Temperature: 280 °C)	Complied			Complied		Complied		Complied		Complied		
Part Cooling Fan – Closed Loop Control; Hot End Fan – Closed Loop Control; MC Board Cooling Fan – Closed Loop Control	Complied			Complied		Complied		Complied		Complied		
PLA, PETG, TPU, PVA	Complied			Complied		Complied		Complied		Complied		
Max. 350 × 320 × 400 mm	Complied			Complied		Complied		Complied		Complied		
Max 6 kg	Complied			Complied		Complied		Complied		Complied		
100–240 VAC, 50/60 Hz	Complied			Complied		Complied		Complied		Complied		
150 W	Complied			Complied		Complied		Complied		Complied		
2.4 inch 320 × 240 IPS Touch Screen	Complied			Complied		Complied		Complied		Complied		
Hotend Nozzle 0.2 mm, Hotend Nozzle 0.4 mm & Hotend Nozzle 0.6 mm	Complied		Complied		Complied		Complied		Complied			
Perpetual License	Complied		Complied		Complied		Complied		Complied			
			1									
		Specification		FormLab: Form 4		Phrozen: Sonic Mini 8k		Phrozen: Sonic Mini 8k		Elegoo: Saturn 4 Ultra 16k		
	Resin 3D Printer	Make & Model		FormLab: Form 4		Phrozen: Sonic Mini 8k		Phrozen: Sonic Mini 8k		Elegoo: Saturn 4 Ultra 16k		
MSLA/LCD		Complied		Complied		Complied		Complied		Complied		
Min 8 × 4 × 8 in, should have capacity up to 330 cubic inch (in³)		Complied		Complied		Complied		Complied		Complied		
14 × 19 μm		Complied		Complied		Complied		Complied		Complied		
0.02 mm		Complied		Complied		Complied		Complied		Complied		
Min. 10-inch		Complied		Complied		Complied		Complied		Complied		
Smart Heating tank		Complied		Complied		Complied		Complied		Complied		
AI Camera with Light		Complied		Complied		Complied		Complied		Complied		
4.0-inch Capacitive Touch Screen		Complied		Complied		Complied		Complied		Complied		
Open-Source Software to be provided		No (Not Complied)	PreForm (Proprietary)	Complied		Complied		Complied		Complied		
Wash and Cure Station to be provided		Complied		Complied		Complied		Complied		Complied		
Proper cooling system should be there along with Fan		Complied		Complied		Complied		Complied		Complied		
100–240 VAC, 50/60 Hz, 24V 6A		Complied		Complied		Complied		Complied		Complied		
Max 330 × 330 × 550 mm		Complied		Complied		Complied		Complied		Complied		
Max 17 kg		Complied		Complied		Complied		Complied		Complied		
Resin Tank – 1 no		Complied		Complied		Complied		Complied		Complied		
			Specification		Ultimaker: Model S5 Pro Bundle		Creality: K1 Max		Anycubic: Kobra S1 Combo		Bambu lab: X1C	
		Industrial 3D Printer	Make & Model		Ultimaker: Model S5 Pro Bundle		Creality: K1 Max		Anycubic: Kobra S1 Combo		Bambu lab: X1C	
Min 250 × 250 × 250 mm			Complied		Complied		Complied		Complied		Complied	
0.4 mm Hardened Steel	Complied			Complied		Complied		Complied		Complied		
All-Metal	Complied			Complied		Complied		Complied		Complied		
Min 500 °F	Complied			Complied		Complied		Complied		Complied		
1.75 mm	No (Not Complied)		2.85 mm	Complied		Complied		Complied		Complied		
PLA, PETG, TPU, ABS, ASA, PVA, PET; Ideal for PA, PC, Carbon/Glass Fiber Reinforced Polymer	Complied			Complied		Complied		Complied		Complied		
Automatic	Complied			Complied		Complied		Complied		Complied		
Textured PEI Plate (Pre-installed, Random, Both compatible with Micro Lidar)	Complied			Complied		Complied		Complied		Complied		
Up to 230 °F @ 220V, 248 °F @ 110V	Complied			Complied		Complied		Complied		Complied		
Min 500 mm/sec	Complied			Complied		Complied		Complied		Complied		
Min 20 m/s²	Complied			Complied		Complied		Complied		Complied		
Max 500 × 500 × 500 mm	Complied			Complied		Complied		Complied		Complied		
Max 33 lbs	Complied			Complied		Complied		Complied		Complied		
Max 50 lbs	Complied			Complied		Complied		Complied		Complied		
100–240 VAC, 50/60 Hz, 1000 W @ 220V, 350 W @ 110V	Complied			Complied		Complied		Complied		Complied		
Stainless Steel Hot End Nozzle 0.2 mm, Hardened Steel Hot End Nozzle 0.4 mm & Hardened Steel Hot end Nozzle0.6 mm	Complied			Complied		Complied		Complied		Complied		
				1								
			Specification		Bambu lab: H2D Combo		Flashforge: Creator Pro 2		Bambu lab: H2D Combo		Bambu lab: H2D Combo	
	Multi-Head 3D Printer		Make & Model		Bambu lab: H2D Combo		Flashforge: Creator Pro 2		Bambu lab: H2D Combo		Bambu lab: H2D Combo	
Min 600 °F		Complied		Complied		Complied		Complied		Complied		
Up to 149 °F (Active Heating)		Complied		Complied		Complied		Complied		Complied		
Up to 600 mm/sec		Complied		Complied		Complied		Complied		Complied		
Min 300 × 300 × 300 mm		Complied		Complied		Complied		Complied		Complied		
Min 220 °F		Complied		Complied		Complied		Complied		Complied		
Textured PEI, Smooth PEI		Complied		Complied		Complied		Complied		Complied		
50 μm (with optional Vision Encoder)		Complied		No (Not Complied)	Precision ±0.1 mm	Complied		Complied		Complied		
15-sensor Intelligent Monitoring System		Complied		Complied		Complied		Complied		Complied		
PLA, TPU, ABS, PETG, PA, PC, Carbon Fiber composites, and more		Complied		Complied		Complied		Complied		Complied		
4 spools per AMS unit (expandable up to 16 spools with multiple AMS units)		Complied		Complied		Complied		Complied		Complied		
Brushless servo feeding motors, 60% faster filament change, RFID filament recognition, auto-rotate drying, electro-magnetic air vent, fully sealed storage – Yes		Complied		No (Not Complied)	Not applicable	Complied		Complied		Complied		
10 W or 40 W Laser Engraving/Cutting (optional upgrade)		Complied		No (Not Complied)	Not supported	Complied		Complied		Complied		
Laser safety windows, emergency stop button, air assist for clean cutting, loud buzzer alarm, flame-retardant chamber material		Complied		Complied		Complied		Complied		Complied		
Nozzle 0.2 mm , Nozzle 0.4 mm & Nozzle 0.6 mm		Complied		Complied		Complied		Complied		Complied		
			Specification		Formlab: Form 4L		Anycubic: Photon M3 Max		Phrozen: Mighty 8k		Elegoo: Jupiter SE	
		Resin 3D printer	Make & Model		Formlab: Form 4L		Anycubic: Photon M3 Max		Phrozen: Mighty 8k		Elegoo: Jupiter SE	
Minimum 12-inch 6K Mono LCD			Complied		Complied		Complied		Complied		Complied	
Compatible Open Source Software should be provided			No (Not Complied)	PreForm (Formlabs proprietary)	Complied		Complied		Complied		Complied	
MSLA	Complied			Complied		Complied		Complied		Complied		
0.01 – 0.2 mm	Complied			Complied		Complied		Complied		Complied		
Max 4,200 mm/min	Complied			Complied		Complied		Complied		Complied		
0.02 mm	Complied			Complied		Complied		Complied		Complied		
51 μm (5448 × 3064)	Complied			Complied		Complied		Complied		Complied		
Min 250 × 150 × 300 mm	Complied			Complied		Complied		Complied		Complied		
COB + Refractive Light Source (405 nm)	Complied			Complied		Complied		Complied		Complied		
USB	Complied			Complied		Complied		Complied		Complied		
58.6 lbs	Complied			Complied		Complied		Complied		Complied		
3.5-inch Resistive Touch Screen	Complied			Complied		Complied		Complied		Complied		
100–240 V, 50/60 Hz, 24 V 7.5 A	Complied			Complied								

8			Up to 150 °C / 302 °F		Complied		Complied		Complied		Complied		
			Passive		Complied		Complied		Complied		Complied		
			2		Complied		Complied		Complied		Complied		
			PLA, ABS, FLEX, Nylon, PETG, PC, CF Nylon, PVA, HIPS		Complied		Complied		Complied		Complied		
	Vinyl Printer	1,250 W		Complied		Complied		Complied		Complied			
		USB, Wi-Fi, Ethernet		Complied		Complied		Complied		Complied			
		Filament Runout Sensor, Filament Flow Sensor, Touch Screen (5-inch), Camera (5 MP), Auto Bed Leveling, Power Loss Recovery, Optional Accessories (Sold Separately), Lighting Kit		Complied		Complied		Complied		Complied			
		Nozzle 0.4 mm , Nozzle 0.6 mm & Nozzle 0.8 mm		Complied		Complied		Complied		Complied			
		DIY Engraving & Cutting Machine	Specification	1									
			Make & Model		Roland: GS 24		Roland: BN -20		Roland: GS 2- 540		Roland: SG3- 540		
			Piezo ink-jet method		Complied		Complied		Complied		Complied		
			Max. 54 in.		Complied		Complied		Complied		Complied		
			Max. 1.0 mm (39.3 mil) with liner (printing)Max. 0.4 mm (15.7 mil) with liner & 0.22 mm (8.6 mil) without liner (cutting)		Complied		Complied		Complied		Complied		
			Max. 9.8 in		Complied		Complied		Complied		Complied		
			Max. 77 lb.		Complied		Complied		Complied		Complied		
			3 or 2 in.		Complied		Complied		Complied		Complied		
			Upto 52.9 in.		Complied		Complied		Complied		Complied		
			Four colors (C, M, Y, K)		Complied		Complied		Complied		Complied		
			Max. 1,200 dpi		Complied		Complied		Complied		Complied		
			600 to 18000 mm/min		Complied		Complied		Complied		Complied		
			30 to 500 gf or more		Complied		Complied		Complied		Complied		
			0.000 to 1,500 mm		Complied		Complied		Complied		Complied		
			0.98 mil/step		Complied		Complied		Complied		Complied		
			Print heater: 86 to 113 °F;Dryer: 86 to 131 °F		Complied		Complied		Complied		Complied		
			Ethernet (100BASE-TX/1000BASE-T, auto switching)		Complied		Complied		Complied		Complied		
			Automatic sleep feature		Complied		Complied		Complied		Complied		
			100–120 / 220–240 V AC, 50/60 Hz, 8.0/4.1 A		Complied		Complied		Complied		Complied		
			Operation: ~1,090 WSleep: ~50 W		Complied		Complied		Complied		Complied		
			Operation: <63 dB (A)Standby: <53 dB (A)		Complied		Complied		Complied		Complied		
			Specification	1									
			Make & Model		Flux: Hexa		Xtool: P2 20W (P2S-55W) Not quotedm model not available in the internet: so chosen 55w model which inline with our specification however, we required their conformation		Snapmaker: Ray 20W		Xtool: M1 Ultra		
			Min. 20 W Diode Laser		Complied		55W CO2 Laser		Complied		Complied		
			Laser Cutting, Laser Engraving, Inkjet Printing, Blade Cutting, Foiling or more		Complied		Complied		Complied		Complied		
			Laser Cuttable: Wood, Opaque Acrylic, Paper, MDF, Leather; Blade Cuttable: Paper Cardstock, Vinyl, PVC, Leather; Laser Engravable: Wood, Opaque Acrylic, Leather, Stainless Steel, Plated Metal; Inkjet Printable: Paper, Cardstock, Wood, Canvas, Acrylic		Complied		Complied		Complied		Complied		
			Laser/Blade/Pen Mode: 300 × 300 mm; Blade Cutting: Maximum 295 × 295 mm; Inkjet Mode: Upto 296 × 286 mm		Complied		Complied		Complied		Complied		
			400 mm/sec		Complied		Complied		Complied		Complied		
			Basswood: 10 mm; Acrylic: 8 mm		Complied		Complied		Complied		Complied		
			Fine-point Blade: 1.5 mm; Cutting Blade: 2.5 mm		Complied		Complied		Complied		Complied		
			Laser Mode: With Riser Base: 125 mm; Without Riser Base: 27 mm; Inkjet/Pen/Blade/Foiling Mode: With Riser Base: 138 mm; Without Riser Base: 20 mm		Complied		Complied		Complied		Complied		
			0 – 99 mm		Complied		Complied		Complied		Complied		
			Perpetual license		Complied		Complied		Complied		Complied		
			Android, iOS, iPadOS, Windows, macOS		Complied		Complied		Complied		Complied		
			USB, Wi-Fi, IP		Complied		Complied		Complied		Complied		
			SVG, DXF, JPG, JPEG, PNG, BMP, TIF		Complied		Complied		Complied		Complied		
			No		Complied		Complied		Complied		Complied		
			Pin-Point Positioning or Equivalent		Complied		Complied		Complied		Complied		
			Autofocus/ Manual		Complied		Complied		Complied		Complied		
			0.06 × 0.08 mm		Complied		Complied		Complied		Complied		
			0.1 mm (Probe)		Complied		Complied		Complied		Complied		
			0.01 mm		Complied		Complied		Complied		Complied		
			Class 1 Laser Safety (TUV SÜD Certified)		Complied		Complied		Complied		Complied		
			Not more than 18 kg		Complied		Complied		Complied		Complied		
			Max 200 W		Complied		Complied		Complied		Complied		
			100-240 V AC, 50/60 Hz		Complied		Complied		Complied		Complied		
			AI Compatibility, Pre-assembled, Safety Air Exhaust		Complied		Complied		Complied		Complied		
			AI Compatibility, Pre-assembled, Safety Air Exhaust		Complied		Complied		Complied		Complied		
		Filament Dehydrator	Specification	2									
			Make & Model		Hiniso: AD125S		Sunlu: S2		Drytech: AD13D122N		Hiniso: AD125S		
			Max 900 × 420 × 400 mm		Complied		Complied		Complied		Complied		
			Min 800 × 400 × 380 mm		Complied		Complied		Complied		Complied		
			125 L or more		Complied		Complied		Complied		Complied		
			4 adjustable trays + 1 lens wave foam tray (Total 5 sections)		Complied		Complied		Complied		Complied		
			< 15 W/hr		Complied		Complied		Complied		Complied		
			2 sets of keys – Yes		Complied		Complied		Complied		Complied		
			LED side light – Yes		Complied		Complied		Complied		Complied		
			Digital (no batteries required) – Yes		Complied		Complied		Complied		Complied		
			1.0 mm Cold Rolled Steel Plate		Complied		Complied		Complied		Complied		
			4 mm Tempered Glass		Complied		Complied		Complied		Complied		
			PP Engineering Plastic		Complied		Complied		Complied		Complied		
			Both front legs adjustable screws – Yes		Complied		Complied		Complied		Complied		
			42.3 lbs		Complied		Complied		Complied		Complied		
			42.3 lbs		Complied		Complied		Complied		Complied		
		Laser Cutter & Engraver	Specification	1									
			Make & Model		ATC: 1390		Thunder: Nova 51 (100W)		RIA: RE1212		SH: ACCUCUT 1212		
			Minimum 1,200 × 1,200 mm x 120mm		Complied		No (Not Complied)	230 x 900 x 1300 m	Complied		Complied		
			CO2 DC Glass Laser Tube		Complied		Complied		Complied		Complied		
			Minimum 100 W		Complied		Complied		Complied		Complied		
			Up to 10.6 µm		Complied		Complied		Complied		Complied		
			500 mm/sec		Complied		Complied		Complied		Complied		
			1066 mm/sec		Complied		Complied		Complied		Complied		
			Air / Water Cooling – Yes		Complied		Complied		Complied		Complied		
			230 V / 415 V		Complied		Complied		Complied		Complied		
			Maximum 0.1 mm		Complied		Complied		Complied		Complied		
			High-precision LM Guide Rails or equivalent		Complied		Complied		Complied		Complied		
			To be Provided, with size customizable, Rotary Table- Dia of 75 mm to 100 mm		Complied		Complied		Complied		Complied		
			32–113 °F		Complied		Complied		Complied		Complied		
			5–95% (non-condensing)		Complied		Complied		Complied		Complied		
			Minimum 1 G		Complied		Complied		Complied		Complied		
			PLT, CDR, AI, DWG, DST, DXF, BMP, JPEG, TIFF, GIF, PCX		Complied		Complied		Complied		Complied		
			CO2 Focus Lens (1), Mirror 25 mm (3), Acetone 1 L, Acrylic Sheet 1200x1200x3mm (2) – Yes, Laser compatible Safety goggles, Honeycomb Bed, 3 Kva Stabilizer, Software with perpetual license		Complied		Complied		Complied		Complied		
			CO2 Focus Lens (1), Mirror 25 mm (3), Acetone 1 L, Acrylic Sheet 1200x1200x3mm (2) – Yes, Laser compatible Safety goggles, Honeycomb Bed, 3 Kva Stabilizer, Software with perpetual license		Complied		Complied		Complied		Complied		
			CO2 Focus Lens (1), Mirror 25 mm (3), Acetone 1 L, Acrylic Sheet 1200x1200x3mm (2) – Yes, Laser compatible Safety goggles, Honeycomb Bed, 3 Kva Stabilizer, Software with perpetual license		Complied		Complied		Complied		Complied		
		Metal Engraver	Specification	1									
			Make & Model		Flux: Promark Mopa		Homtech: 100W Fiber Laser		Xtool: F2 Ultra		Xtool: F2 Ultra		
			DIODE+MOPA		No (Not Complied)	MOPA Laser	No (Not Complied)	MOPA Fiber Laser	Complied		Complied		
			Min. 100W		Complied		100W		Complied		Complied		
			Class 4		Complied		Complied		Complied		Complied		
			Minimum 220 × 500 mm		Complied		Complied		Complied		Complied		
			900000 mm/min		Complied		Complied		Complied		Complied		
			MOPA: 0.0009 mm Diode: 0.009 mm		Complied		Complied		Complied		Complied		
			0.0002 m		Complied		Complied		Complied		Complied		
			0.0002 m		Complied		Complied		Complied		Complied		
			Wood up to 22 mm or more, Acrylic up to 20 mm Metal up to 2 mm or more		Complied		Complied		Complied		Complied		
			140 mm or more		Complied		Complied		Complied		Complied		
			upto 150 mm		Complied		Complied		Complied		Complied		
			USB / Wi-Fi / IP		Complied		Complied		Complied		Complied		
			Windows / macOS		Complied		Complied		Complied		Complied		
			Open Source Software with perpetual license		Complied		Complied		Complied		Complied		
			SVG, DXF, JPG, JPEG, PNG, BMP, etc.		Complied		Complied		Complied		Complied		
			21600 gm		Complied		Complied		Complied		Complied		
			Upto 400 W		Complied		Complied		Complied		Complied		
			100–120 V AC, 50/60 Hz		Complied		Complied		Complied		Complied		
			Rotary Unit, Conveyor Belt, Foot Switch, Switch		Complied		Complied		Complied		Complied		
			Specification	1									
			Make & Model		Shining 3D: Pro 2X 2020		Shinising 3D: Einscan SE		Shining 3D: HX2		Shining 3D: HX2		
			Rapid Scan / Laser Scan		Complied		No (Not Complied)	Manual, Turntable (Desktop)	Complied		Complied		
			Rapid Scan: Blue LED Laser Scan: 13 Crossed Blue Laser Lines		Complied		Complied		Complied		Complied		
			Rapid Scan: Up to 0.05 mm Laser Scan: Up to 0.04 mm		Complied		Complied		Complied		Complied		
			Rapid Scan: 0.05 ± 0.1 mm/m Laser Scan: 0.04 ± 0.06 mm/m		Complied		-	NA / No clear Data	Complied		Complied		
			Min. Rapid Scan: 0.20 – 3 mm Laser Scan: 0.05 – 3 mm		Complied		Complied		Complied		Complied		
			200 – 700 mm Maximum		Complied		Complied		Complied		Complied		
			420 × 440 mm (Rapid Scan) 380 × 400 mm (Laser Scan)		Complied		-	NA / No clear Data	Complied		Complied		
			420 × 440 mm (Rapid Scan) 380 × 400 mm (Laser Scan)		Complied		-	NA / No clear Data	Complied		Complied		
			Rapid Scan: 1,200,000 points/s, 20 FPS Laser Scan: 120 FPS		Complied		Complied		Complied		Complied		
			Markers, Feature, Hybrid, Texture		Complied		-	NA / No clear Data	Complied		Complied		
			Eye-safe (Class II)		Complied		-	NA / No clear Data	Complied		Complied		
			Rapid Scan: Built-in Color Camera Laser Scan: Not available		Complied		-	NA / No clear Data	Complied		Complied		
			Min 350 – 610 mm		Complied		Complied		Complied		Complied		
			Compatible Open-source Software along with Suitable Reverse Engineering Software with Perpetual license.		Complied		-	NA / No clear Data	Complied		Complied		
			USB 3.0		Complied		-	NA / No clear Data	Complied		Complied		
			OBJ, STL, ASC, PLY, P3, 3MF, STEP, IGES, Point Cloud, compatible part file to support CAD file (NX, Autodesk, SolidWorks)		Complied		</						

14		Recommended: Win10/11 (64-bit), NVIDIA RTX3060+, ≥6GB VRAM, Intel i7-12700+, ≥32GB RAM Minimum: Win10 (64-bit), NVIDIA RTX2060+, ≥4GB VRAM, Intel i7-8700+, ≥16GB RAM	Complied		Complied		Complied		Complied	
		10000mah Battery power pack-1nos, Marking Set, Developer Spray (10 nos)	Complied		-	NA / No clear Data	Complied		Complied	
15	CNC Router	Specification	1							
		Make & Model		ATC: 1325	Igolden CNC: 6090 3kw		RIA: RR3125		SHL: 1325 5kw	
		Minimum 1,300 × 2,500 mm	Complied		600 x 900 mm	Less working area	Complied		Complied	
		Up to 200 mm	Complied		Complied		Complied		Complied	
		±0.03 mm / 300 mm or more	Complied		Complied		Complied		Complied	
		≥ 3 kW	Complied		Complied		Complied		Complied	
		Welding Steel Structure or equivalent	Complied		Complied		Complied		Complied	
		Rack Pinion, Ball Screw, Linear Rails	Complied		Complied		Complied		Complied	
		0 – 24,000 RPM	Complied		Complied		Complied		Complied	
		0 – 18,000 RPM	Complied		Complied		Complied		Complied	
		T-Slot	Complied		Complied		Complied		Complied	
		±0.03 mm	Complied		Complied		Complied		Complied	
		HG 20 for X, Y & Z axes	Complied		Complied		Complied		Complied	
		G Code (*.nc, *.mmg, *.plt, *.cnc)	Complied		Complied		Complied		Complied	
		DSP Control System	Complied		Complied		Complied		Complied	
		128,000 KB (or Flash Drive)	Complied		Complied		Complied		Complied	
		Stepping mode system preferred	Complied		Complied		Complied		Complied	
		To be included	Complied		Complied		Complied		Complied	
		AC 220 V / 415 V, 50/60 Hz, 3 Phase	Complied		Complied		Complied		Complied	
		Yes	Complied		Complied		Complied		Complied	
		Perpetual license	Complied		Complied		Complied		Complied	
16	Hot Wire Cutter	Clamping Set- 1nos , collect set (2mm to 12 mm)	Complied		Complied		Complied		Complied	
		Endmill tool – 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm & 12mm each 5 nos each	Complied		Complied		Complied		Complied	
		Specification	1							
		Make & Model		SVP Laser: Multi CNC 1325	Custom: CNC Foam Cutter		BerMaq: PLOT 250		Myaid Machinery: C152313	
		Minimum 1200 mm (Width) × 2400 mm (Length) × 1000 mm (Height)	Complied			NA / No clear Data	Complied		Complied	
		PC-based Controller with Simulation Software	Complied			NA / No clear Data	Complied		Complied	
		Spring-loaded Rack & Pinion drive ,Timer Belt drive with HIWIN LM Guides & Gear Reduction or Equivalent	Complied			NA / No clear Data	Complied		Complied	
		SMPS for Single Wire; Constant Current & Constant Tension Mechanism	Complied			NA / No clear Data	Complied		Complied	
		Should have 4-Axis Hot Wire Mode for Taper Cross Section Profiles	Complied			NA / No clear Data	Complied		Complied	
		AutoCAM2D, Pipe CAM or any compatible open- source software with Perpetual license	Complied			NA / No clear Data	Complied		Complied	
		Vertical Axis Turntable with CAM Software for 3D STL Shape Cutting	Complied			NA / No clear Data	Complied		Complied	
		SMPS for Single Wire, PC-based Controller with Simulation Software with Perpetual license, Stabilizer, Nichrome Wire – 20m Length, EPS Foam Block 950x500x100MM	Complied			NA / No clear Data	Complied		Complied	
		Specification	1							
		Make & Model		Electronica: RW7750L	Jet: EDM V450		Electronica Podar: ER700		Rathnapark: 5063NXG	
		Upto 670 × 900 mm	Complied		-	NA / No clear Data	Complied		Complied	
		Min 500 × 630 mm	Complied		-	NA / No clear Data	Complied		Complied	
		600 mm or more	Complied		-	NA / No clear Data	Complied		Complied	
		+/-3/100 mm	Complied		-	NA / No clear Data	Complied		Complied	
		900 Kg or more	Complied		-	NA / No clear Data	Complied		Complied	
		0.000001 m	Complied		-	NA / No clear Data	Complied		Complied	
		0.000001 m	Complied		-	NA / No clear Data	Complied		Complied	
		Linear and circular	Complied		-	NA / No clear Data	Complied		Complied	
		XYUV	Complied		-	NA / No clear Data	Complied		Complied	
		0.000001 m	Complied		-	NA / No clear Data	Complied		Complied	
		USB	Complied		-	NA / No clear Data	Complied		Complied	
17	Reusable EDM Wire Cutter	3-phase, 415 VAC	Complied		-	NA / No clear Data	Complied		Complied	
		1.0 kVA	Complied		-	NA / No clear Data	Complied		Complied	
		3661.422m³	Complied		-	NA / No clear Data	Complied		Complied	
		Magnetic separator + Paper filter	Complied		-	NA / No clear Data	Complied		Complied	
		Multi Cut Facility, Reuseable Molybdenum Wire Technology, Surface finish up to 1.5 Micron Ra, User friendly software with Perpetual license	Complied		-	NA / No clear Data	Complied		Complied	
		15- 30 mins backup UPS, Stabilizer, Clamping Set 100mm and 200 mm, Calibration block, Nozzle Tips – 2 sets, carbide bit – 2 sets, Front roller, Rear roller	Complied		-	NA / No clear Data	Complied		Complied	
		Specification	1							
		Make & Model		Nargesa: MC550 CNC	Numery: S30		Nargesa: MC550 CNC		Nargesa: MC550 CNC	
		80 mm / 3"	Complied		Not data (no brochure)		Complied		Complied	
		Smart predictive system	Complied				Complied		Complied	
		Direct radii programming	Complied				Complied		Complied	
		Yes, with axis interpolation	Complied				Complied		Complied	
		High-resolution	Complied				Complied		Complied	
		3 (X, Y, R)	Complied				Complied		Complied	
		Three-drag roller	Complied				Complied		Complied	
		50 mm or more	Complied				Complied		Complied	
		Min 90 mm	Complied				Complied		Complied	
		Upto 170 mm	Complied				Complied		Complied	
		1.5 kW (2 HP)	Complied				Complied		Complied	
		230 V, single phase	Complied				Complied		Complied	
		EcoMode or Equivalent	Complied				Complied		Complied	
18	CNC Profile Bending	Vertical and horizontal	Complied				Complied		Complied	
		ESA S625 or Equivalent	Complied				Complied		Complied	
		4	Complied				Complied		Complied	
		Visual	Complied				Complied		Complied	
		Yes	Complied				Complied		Complied	
		Up to 10,000 programs or more	Complied				Complied		Complied	
		Yes, different bends in the same part	Complied				Complied		Complied	
		Should be Available	Complied				Complied		Complied	
		Various profiles, pipes, and materials	Complied				Complied		Complied	
		3–7 rpm or more	Complied				Complied		Complied	
		Manual / Automatic	Complied				Complied		Complied	
		Perpetual license	Complied				Complied		Complied	
		Standard Roller Steel F155 Set of 9 pcs	Complied				Complied		Complied	
		Specification	1							
		Make & Model		Koike: Flexikene 5.0	ESAM: Handy plasma 125i with table		Xtreme Plasma: 8x4		Koike: Flexikene 5.0	
		Upto 1,940 mm	Complied		Model not listed in website (25 is only available & also no brouchers attached)		Complied		Complied	
		Min. 4,000 mm	Complied				Complied		Complied	
		1,520 mm or more	Complied				Complied		Complied	
		3,100 mm or more	Complied				Complied		Complied	
		Gantry Bridge / Dual Drive (Rack & Pinion)	Complied				Complied		Complied	
		T-Type Elevator Rail	Complied				Complied		Complied	
		133.33 mm/sec	Complied				Complied		Complied	
		0.83 – 100 mm/sec	Complied				Complied		Complied	
		1-Phase, 230V, 50/60 Hz	Complied				Complied		Complied	
		OEM Make	Complied				Complied		Complied	
		1 Oxy-Fuel or 1 Plasma (Interchangeable)	Complied				Complied		Complied	
19	CNC Plasma Cutting Machine	850 mm (Parking space)	Complied				Complied		Complied	
		Should be more then 0.9	Complied				Complied		Complied	
		125A or more	Complied				Complied		Complied	
		Min. 38mm, Max 44 mm	Complied				Complied		Complied	
		Upto 57mm	Complied				Complied		Complied	
		25 mm or more	Complied				Complied		Complied	
		Should not exceed than 25KW	Complied				Complied		Complied	
		CE, CCC, CSA	Complied				Complied		Complied	
		In Built AVC Module, 100 % Duty Cycle, Smart Air Pressure Sensing Technology, Drag Cut at 100% for smooth finish,	Complied				Complied		Complied	
		Specification	1							
		Make & Model		Mayku: Formbox	Mayku: Formbox		Mayku: Formbox		Mayku: Formbox	
		Maximum 12.4 inches	Complied		Complied		Complied		Complied	
		18.3 inches or less	Complied		Complied		Complied		Complied	
		Upto 10.8 inches	Complied		Complied		Complied		Complied	
		7.9 x 7.9 inches or more	Complied		Complied		Complied		Complied	
		5.1 inches	Complied		Complied		Complied		Complied	
		Max 28.7 lbs	Complied		Complied		Complied		Complied	
		110V 5A, 1000W and 240V 5A 1000W models available depending on region	Complied		Complied		Complied		Complied	
		2000 W	Complied		Complied		Complied		Complied	
		160°C – 340°C	Complied		Complied		Complied		Complied	
		Specification	1							
		Make & Model		Mayku: Multiplier	Formech: 686		Formech: 450DT		Formech: 450DT	
20	Industrial Forming Machine	Up to 17" x 11"	Complied		Complied		Complied		Complied	
		Maximum 18" x 12"	Complied		Complied		Complied		Complied	
		6" or more	Complied		Complied		Complied		Complied	
		0.25" or more	Complied		Complied		Complied		Complied	
		4	Complied		Complied		Complied		Complied	
		Quartz or Equivalent	Complied		Complied		Complied		Complied	
		25.2"	Complied		Complied		Complied		Complied	
		21.5"	Complied		Complied		Complied		Complied	
		Specification	1							
		Make & Model		Mayku: Multiplier	Formech: 686		Formech: 450DT		Formech: 450DT	
		Up to 17" x 11"	Complied		Complied		Complied		Complied	
		Maximum 18" x 12"	Complied		Complied		Complied		Complied	
		6" or more	Complied		Complied		Complied		Complied	
		0.25" or more	Complied		Complied		Complied		Complied	
		4	Complied		Complied		Complied		Complied	
		Quartz or Equivalent	Complied		Complied		Complied		Complied	
		25.2"	Complied		Complied		Complied		Complied	
		21.5"	Complied		Complied		Complied		Complied	
		Specification	1							
		Make & Model		Mayku: Multiplier	Formech: 686		Formech: 450DT		Formech: 450DT	
		Up to 17" x 11"	Complied		Complied		Complied		Complied	
		Maximum 18" x 12"	Complied		Complied		Complied		Complied	
		6" or more	Complied		Complied		Complied		Complied	
		0.25" or more	Complied		Complied		Complied		Complied	
		4	Complied		Complied		Complied		Complied	
		Quartz or Equivalent	Complied		Complied		Complied		Complied	
		25.2"	Complied		Complied		Complied		Complied	
		21.5"	Complied		Complied		Complied		Complied	

21		38.8"	Complied		Complied		Complied		Complied		Complied	
		Max 165 lbs	Complied		Complied		Complied		Complied		Complied	
		208-240 V / 13 A	Complied		Complied		Complied		Complied		Complied	
		2.3 kW or less	Complied		Complied		Complied		Complied		Complied	
22	PU Sheet Bending	Specification	1									
		Make & Model		Bayya: W-2.5 x 1220		Generic: Quartz heater & Bender		Formech: FLB1000		Formech: FLB1000		
		Upto 39"						Complied		Complied		
		Quartz or Equivalent		No proper information available in website; no brochure attached		No proper information available in website; no brochure attached		Complied		Complied		
		Yes						Complied		Complied		
		Yes						Complied		Complied		
		Upto 51.6"						Complied		Complied		
		Min 6"						Complied		Complied		
		13"or more						Complied		Complied		
		48.5 lbs						Complied		Complied		
		Upto 750W						Complied		Complied		
23	PCB Milling Machine	Specification	1									
		Make & Model		Penta: V2-10		Bantam tools : Desktop PCB Milling		Makera: Carvera		Roland: MDX 50		
		Resins such as chemical wood and modelling wax		Complied		Complied		Complied		Complied		
		X: Up to 15.75", Y: Up to 12", Z: Min 5.31"		Complied		Complied		Complied		Complied		
		X: Up to 15.75", Y: Up to 12"		Complied		-	NA / No clear Data	Complied		Complied		
		X: Up to 15.75", Y: Up to 12", Z: Min 3.90"		Complied		Complied		Complied		Complied		
		Stepper Motor / Servo Motor		Complied		Complied		Complied		Complied		
		XY: 0.28–141.7 in/min, Z: 0.28–118.1 in/min		Complied		Complied		Complied		Complied		
		RML-1: 0.00004 in/step, NC Code: 0.00004 in/step		Complied		-	NA / No clear Data	Complied		Complied		
		0.00039 in/step (half step)		Complied		-	NA / No clear Data	Complied		Complied		
		To Be provided with machine		Complied		-	NA / No clear Data	Complied		Complied		
		Brushless DC Motor		Complied		-	NA / No clear Data	Complied		Complied		
		4500–15000 RPM		Complied		Complied		Complied		Complied		
		Collet		Complied		Complied		Complied		Complied		
		Automatic Tool Changer		Complied		-	NA / No clear Data	Complied		Complied		
		5 Tools + 1 Detection Pin (6 Position Capacity)		Complied		-	NA / No clear Data	Complied		Complied		
		0.25", 0.125"		Complied		-	NA / No clear Data	Complied		Complied		
		During operation		Complied		-	NA / No clear Data	Complied		Complied		
		USB		Complied		Complied		Complied		Complied		
		AC: 100-240 V ±10%, 50/60 Hz, 1.2 A		Complied		Complied		Complied		Complied		
		= 95 W		Complied			NA / No clear Data	Complied		Complied		
		Max 31.5 × 35.4 × 29.1"		Complied		Complied		Complied		Complied		
		Max 275 lbs		Complied		-	NA / No clear Data	Complied		Complied		
		41–104 °F		Complied		Complied		Complied		Complied		
		35–80% RH (No Condensation)		Complied		-	NA / No clear Data	Complied		Complied		
		• Collet 3 mm; 3 Nos• End Mill 0.016"; 5 Nos• End Mill 0.031"; 5 Nos• End Mill 0.039"; 3 Nos• End Mill 0.12"; 3 Nos• End Mill 0.236"; 3 Nos• Ball Mill 0.039"; 3 Nos• Ball Mill 0.12"; 3 Nos• Engraving Bit 0.008"; 6 Nos• Resin Wood 12 × 12"; 5 Nos• Copper Clad Plate Laminate Single & Double Side PCB Size: 5.9 × 3.94"; 5 Nos each• Double-Sided Tape 0.47 × 32.8 ft; 2 Rolls		Complied		-	NA / No clear Data	Complied		Complied		
24	High End Workstations	Specification	2									
		Make & Model		HP: Z2G9		Custom Build:		Corsair: One i45S		HP: G9		
		Intel Core i7, 14th Generation		Complied		Custom Build		Complied		Complied		
		32 GB		Complied				Complied		Complied		
		1 TB SSD		Complied				Complied		Complied		
		NVIDIA RTX 4060, 8 GB		Complied				Complied		Complied		
		Windows 11 Professional License		Complied				Complied		Complied		
		Monitors: 1 × 27" 4K UHD USB-C Monitor & 1 × 27" Full HD		Complied				Complied		Complied		
25	EDM Drill	Specification	1									
		Make & Model		Ratnaparki: EDM Drill		Charnilles: Robofill 240 (Submerged WEDM)		Electronica podar: Rapid drill 2		Ratnaparki: Eze drill		
		1667.2 Cubic Inch		Complied			NA / No clear Data	Complied		Complied		
		EDM Small Hole Drilling		Complied		Submerged wire cutting		Complied		Complied		
		Min 400 × 400 mm		Complied			NA / No clear Data	Complied		Complied		
		300 × 200 mm or more		Complied		300 x 200 mm		Complied		Complied		
		550 mm		Complied		Z : 300 mm		Complied		Complied		
		Min. 400 mm		Complied			NA / No clear Data	Complied		Complied		
		0.3 – 3.0 mm		Complied		0.3 – 3.0 mm		Complied		Complied		
		250 mm or more		Complied		200 mm		Complied		Complied		
		60 kg/cm²		Complied			NA / No clear Data	Complied		Complied		
		300 kg		Complied			NA / No clear Data	Complied		Complied		
		131.27 Cubic inch		Complied			NA / No clear Data	Complied		Complied		
		3 phase, AC 415 V, 50 Hz		Complied			NA / No clear Data	Complied		Complied		
		20 A		Complied		30 A		Complied		Complied		
		Brass, Steel, Carbide		Complied			NA / No clear Data	Complied		Complied		
		0.3 to 3 mm with 0.1mm incremental copper rod with Rubber bush – 25 nos and Electrode Guide- 25 nos		Complied			NA / No clear Data			Complied		
26	Interactive Panel	Specification	1									
		Make & Model		LG: 75TR3DK		View Sonic: View board 75"		LG: 75TR3DKI		Cornea: COR 75ip		
		Min. 75" (190 cm)		Complied		Complied		Complied		Complied		
		Max 4K UHD		No (Not Complied)	3840 x 2160 (UHD)	No (Not Complied)	3840 x 2160	Complied		Complied		
		Min: 350 nits; Typ: 400 nits		Complied		Complied		Complied		Complied		
		Type: 1200:1		Complied		Complied		Complied		Complied		
		Min 8 ms		Complied		Complied		Complied		Complied		
		178" or more		Complied		Complied		Complied		Complied		
		1.5 GHz		Complied		Complied		Complied		Complied		
		4 GB or more		Complied		No (Not Complied)	2GB DDR3	Complied		Complied		
		32 GB or more		Complied		No (Not Complied)	16GB eMMC	Complied		Complied		
		Android 3		Complied		Complied		Complied		Complied		
				Complied		No (Not Complied)	1	Complied		Complied		
		2		Complied		Complied		Complied		Complied		
		Infrared Touch Frame		Complied		Complied		Complied		Complied		
		4 mm Toughened Glass		Complied		Complied		v		Complied		
27	Display Monitor	Specification	1									
		Make & Model		LG:65UM5N-E		Samsung: QLED 65"		Sony: FW75VZ30J		Samsung: QA65QE1AULXI		
		Max 65" (165.1 cm)		Complied		Complied		Complied		Complied		
		4K UHD (3840 × 2160)		Complied		Complied		Complied		Complied		
		QLED with Real Quantum Dot		Complied		Complied		Complied		Complied		
		Q4 AI Processor or equivalent		Complied		Complied		Complied		Complied		
		Quantum HDR, HDR10+		Complied		Complied		Complied		Complied		
		100%(Certified by VDE)		Complied		Complied		Complied		Complied		
		50 Hz		Complied		Complied		Complied		Complied		
		178"or more		Complied		Complied		Complied		Complied		
		20 W or more		Complied		Complied		Complied		Complied		
		Object Tracking Sound Lite, Q-Symphony		Complied		Complied		Complied		Complied		
		Tizen OS/ Android OS		Complied		Complied		Complied		Complied		
		3 × HDMI, 1 × USB-A, Ethernet (LAN), RF In (Terrestrial/Cable input), Wi-Fi 5, Bluetooth 5.3		Complied		Complied		Complied		Complied		
		Vision AI, SmartThings Hub, Multi View, AirPlay 2, Alexa/Google Assistant compatibility		Complied		Complied		Complied		Complied		
		2 Star (Annual Consumption: 264.99 kWh)		Complied		Complied		Complied		Complied		
	7.5 kva Online UPS	As the monitor is planned to place in the outdoor corridor. A commercially available aesthetically appealing out door display enclosure for protecting the monitor from dust and water should be supplied along with the monitor.		Complied		Complied		Complied		Complied		
		Specification	1									
		Make & Model		Microtek: imax		APC: SRT 8kva		EELTEC: MP 8K		Microtek: 7.5kva		
		7.5 KVA / 6.0 KW		Complied		Complied		Complied		Complied		
		Default: 192 VDC, Adjustable: 216 VDC		Complied		Complied		Complied		Complied		
		Single Phase with Ground		Complied		Complied		Complied		Complied		
		208VAC / 220VAC / 230VAC		Complied		Complied		Complied		Complied		
		165 – 285 VAC		Complied		Complied		Complied		Complied		
		40Hz ~ 55Hz @ 50Hz System		Complied		Complied		Complied		Complied		
		208VAC / 220VAC / 230VAC		Complied		Complied		Complied		Complied		
		±1% (Battery Mode)		Complied		Complied		Complied		Complied		
		Mains Mode (Synchronized): 45Hz ~ 55Hz Battery Mode: 50Hz ±0.1Hz		Complied		Complied		Complied		Complied		
		AC to DC Mode: Zero Inverter to Bypass Mode: Zero Bypass to Inverter Mode: <5 ms		Complied		Complied		Complied		Complied		
		Pure Sinewave		Complied		Complied		Complied		Complied		
		0.91 or more		Complied		Complied		Complied		Complied		
		Default: VRLA/SMF Tubular Battery: OK (with charger cut-off voltage adjustable from LCD)		Complied		Complied		Complied		Complied		
		2 / 4 / 8 Amp (Default: 8 Amp)		Complied		Complied		Complied		Complied		
		18 Batteries		Complied		Complied		Complied		Complied		

28		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode & Fault Indicators		Complied		Complied		Complied		Complied	
		Should Support Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Mac		Complied		Complied		Complied		Complied	
				Complied		Complied		Complied		Complied	
		Up to 562 × 250 × 830 mm		Complied		Complied		Complied		Complied	
		Max 80 Kg		Complied		Complied		Complied		Complied	
29	Battery with 1hr backup	Specification	12								
		Make & Model		AMARON: AM 130 ST36		EXIDE: 65AHSMF		LIVGUARD: LGMHHDIN65LH		EXIDE	
		Power Safe		Complied		Complied		Complied		Complied	
		65 AH		Complied		Complied		Complied		Complied	
		SMF Sealed Maintenance-Free Battery		Complied		Complied		Complied		Complied	
30	A3 Printer	24 Months		Complied		Complied		Complied		Complied	
		12 Volts		Complied		Complied		Complied		Complied	
		Online UPS, Telecom, Solar		Complied		Complied		Complied		Complied	
		350 × 166 × 174 mm		Complied		Complied		Complied		Complied	
		Max 21 Kg		Complied		Complied		Complied		Complied	
		Specification	1								
		Make & Model		HP: Design jet T850		Canon: C356i		HP: Design jet T850		Canaon: C3326	
		A3 Color Laser Multifunctional (Print, Copy, Scan, Send, Optional Fax)		Complied		Complied		Complied		Complied	
		Minimum 7" TFT LCD WVGA Color Touch Panel		Complied		Complied		Complied		Complied	
		2 GB RAM or More		Complied		Complied		Complied		Complied	
		64 GB eMMC (30 GB available)		Complied		Complied		Complied		Complied	
		USB 2.0 (Host ×2, Device ×1), Gigabit LAN, Wi-Fi (IEEE 802.11 b/g/n)		Complied		Complied		Complied		Complied	
		Std: 1200 sheets (100 MP Tray + 2 × 550 Cassettes), Max: 2300 sheets		Complied		Complied		Complied		Complied	
		Std: 250 sheets, Max: 645 sheets		Complied		Complied		Complied		Complied	
		Thin, Plain, Heavy, Recycled, Colour, Bond, Transparency, Envelopes, Labels, Postcards		Complied		Complied		Complied		Complied	
		SRA3, A3, A4, A5, B4, B5, Envelopes (COM10, DL, ISO-C5, Monarch)		Complied		Complied		Complied		Complied	
		52–300 gsm (Tray/MP Tray), Duplex: 52–220 gsm		Complied		Complied		Complied		Complied	
		4 sec (Quick Start), ≤10 sec from Sleep/Power ON		Complied		Complied		Complied		Complied	
		Upto 78 Kg		Complied		Complied		Complied		Complied	
		Up to 26 ppm (A4), 15 ppm (A3), 20 ppm (A4R)		Complied		Complied		Complied		Complied	
		1200 × 1200 dpi at half intervals		Complied		Complied		Complied		Complied	
		Standard: UFR II, Optional: PCL6, Adobe PostScript 3		Complied		Complied		Complied		Complied	
		PDF, JPEG/TIFF, EPS, XPS		Complied		Complied		Complied		Complied	
		AirPrint, Mopria, Canon PRINT Business, uniFLOW Online, Universal Print		Complied		Complied		Complied		Complied	
		Same as Print Speed; First Copy Out: ~7.0s (BW), 8.7s (CL)		Complied		Complied		Complied		Complied	
		Platen + 100-sheet DADE (Optional), Duplex Scanning		Complied		Complied		Complied		Complied	
		70/70 ipm (BW/CL at 300 dpi, 1-sided)		Complied		Complied		Complied		Complied	
		Super G3, 33.6 kbps, 400 × 400 dpi, Max 200 Speed Dials		Complied		Complied		Complied		Complied	
		220–240V AC, 50/60 Hz, Max ~1500W		Complied		Complied		Complied		Complied	
		Refill ink set of 4 ~ 2 nos		Complied		Complied		Complied		Complied	
		Specification	10								
		Make & Model		Rigol: TP832		Rigol: TP832		Keysight: E36102B		GW Instek: GPE4323	
		OutPuts: CH 1 & 2: 0-32V/3 A		Complied		Complied	3 Channels	Complied		Complied	
		CH 3: 0-5 V/1A		Complied		Complied		Complied		Complied	
		CH 4: 0 ~ 15 V/1A		Complied		Complied		Complied		Complied	
	Power Supply	Line Regulation: ≤0.01%+3mV		Complied		Complied		Complied		Complied	
		Load Regulation: ≤0.01%+3mV		Complied		Complied		Complied		Complied	
		Ripple & Noise: 1mVrms		Complied		Complied		Complied		Complied	
		Line Regulation: ≤0.2% + 3mA		Complied		Complied		Complied		Complied	
		Load Regulation: ≤0.2% + 3mA		Complied		Complied		Complied		Complied	
		Ripple Current: ≤3mA rms		Complied		Complied		Complied		Complied	
		Output ON/OFF Switch required		Complied		Complied		Complied		Complied	
		100mV (*1)		Complied		Complied		Complied		Complied	
		10mA (*1)		Complied		Complied		Complied		Complied	
		Four Different Displays required		Complied		Complied		Complied		Complied	
		4.3 inch LCD Display		Complied		Complied		Complied		Complied	
		Tracking Operation and Auto Series/Parallel Operation required		Complied		Complied		Complied		Complied	
		230 V AC / 50 Hz		Complied		Complied		Complied		Complied	
		Max 210(W) x 155(H) x 310(D) mm, Max 10 kg		Complied		Complied		Complied		Complied	
		User manual, Power cord & test leads 4 nos.		Complied		Complied		Complied		Complied	
		Specification	6								
		Make & Model		Rigol: DS 1102B		Rigol: DS 1102Z		Keysight: EDU X 1052A		GW Instek: GDS 1102B	
		≤100 MHz		Complied		Complied		Complied		Complied	
		2		Complied		Complied		Complied		Complied	
		10Mpts		Complied		Complied		Complied		Complied	
	Digital Storage Oscilloscope	20 MHz		Complied		Complied		Complied		Complied	
		Max. 1GSa/s		Complied		Complied		Complied		Complied	
		≤3.5 ns		Complied		Complied		Complied		Complied	
		TFT 7" (800x480)		Complied		Complied		Complied		Complied	
		5ns...100 s/div		Complied		Complied		Complied		Complied	
		8bit		Complied		Complied		Complied		Complied	
		Automatic, normal, signal		Complied		Complied		Complied		Complied	
		300Vrms		Complied		Complied		Complied		Complied	
		1Mv/div...10V/div		Complied		Complied		Complied		Complied	
		AC, DC, GND		Complied		Complied		Complied		Complied	
		AC, DC, High pass,		Complied		Complied		Complied		Complied	
		Lowpass		Complied		Complied		Complied		Complied	
		380 x 208 x 127.3 mm		Complied		Complied		Complied		Complied	
		Approx. 2.8 kg		Complied		Complied		Complied		Complied	
		1MΩ/16nF		Complied		Complied		Complied		Complied	
		Automatic measurement of many parameters required AUTOSET function for setting display parameters (time base, gain) required background noise filter protocols analyse: CAN/LIN protocols analyse: I2C, SPI, UART		Complied		Complied		Complied		Complied	
		Mains cable, manual (CD), oscilloscope probe		Complied		Complied		Complied		Complied	
		(1 per channel), probe GTL-16E		Complied		Complied		Complied		Complied	
		Specification	6								
		Make & Model		Rigol: DG 832BW		Rigol: DG 1022Z		Keysight: 3446GPBU		GW Instek: SFG 1013	
		Sine, Square, Triangle, TTL		Complied		Complied		Complied		Complied	
		0.1 Hz ~ 3 MHz		Complied		Complied		Complied		Complied	
		0.1 Hz ~ 1 MHz		Complied		Complied		Complied		Complied	
	Function Generator	0.1 Hz (maximum)		Complied		Complied		Complied		Complied	
		±20 ppm		Complied		Complied		Complied		Complied	
		±20 ppm		Complied		Complied		Complied		Complied	
		±5 ppm/year		Complied		Complied		Complied		Complied	
		10 Vp-p (into 50 Ω load)		Complied		Complied		Complied		Complied	
		±20% at maximum position		Complied		Complied		Complied		Complied	
		50 Ω ± 10%		Complied		Complied		Complied		Complied	
		-40 dB ± 1 dB x1		Complied		Complied		Complied		Complied	
		6-digit LED display		Complied		Complied		Complied		Complied	
		ON/OFF selector		Complied		Complied		Complied		Complied	
		AC 240V, 220V, 110V ±10%, 50/60 Hz		Complied		Complied		Complied		Complied	
		0 ~ 40 °C		Complied		Complied		Complied		Complied	
		Max 255 × 95 × 295 mm		Complied		Complied		Complied		Complied	
		Max 2.5 kg		Complied		Complied		Complied		Complied	
		Specification	10								
		Make & Model		Bakon: BK 881-2		Hakko: FX-888D		Bakon: BK 60		Soldron: SL 938	
		230 V AC		Complied		Complied	Discontinued model	Complied		Complied	
		Upto 60 W		Complied		Complied		Complied		Complied	
		Digital Control		Complied		Complied		Complied		Complied	
	Soldering Station	Min 1.35 m		Complied		Complied		Complied		Complied	
		Min 1.35 m		Complied		Complied		Complied		Complied	
		200–480 °C		Complied		Complied		Complied		Complied	
		Specification	1								
		Make & Model		Mitsubishi:RV-8CRL-DS15		Universal Robot: UR3e		NIRYO: NED2		NIRYO: NED2	
		Max 7		Complied		Complied		Complied		Complied	
		Max 300		Complied		Complied		Complied		Complied	
		Upto 6		Complied		Complied		Complied		Complied	
		6 rotating joints	490	Complied		Complied		Complied		Complied	
		-2.949 ≤ Joint 1 ≤ 2.949		Complied		Complied		Complied		Complied	
		-1.83 ≤ Joint 2 ≤ 0.61		Complied		Complied		Complied		Complied	
		-1.34 ≤ Joint 3 ≤ 1.57		Complied		Complied		Complied		Complied	
		-2.089 ≤ Joint 4 ≤ 2.089		Complied		Complied		Complied		Complied	
		-1.919 ≤ Joint 5 ≤ 1.922		Complied		Complied		Complied		Complied	
		-2.53 ≤ Joint 6 ≤ 2.53		Complied		Complied		Complied		Complied	
		Joint 1 ≤ 0.785		Complied		Complied		Complied		Complied	
		Joint 2 ≤ 0.5235		Complied		Complied		Complied		Complied	
		Joint 3 ≤ 0.785		Complied		Complied		Complied		Complied	
		Joint 4 ≤ 1.57		Complied		Complied		Complied		Complied	
		Joint 5 ≤ 1.57		Complied		Complied		Complied		Complied	
		Joint 6 ≤ 1.775		Complied		Complied		Complied		Complied	
		28080 or more		No (Not Complied)	10500	Complied		Complied		Complied	
		+/- 0.5		Complied		Complied		Complied		Complied	
		Upto 200x200		Complied		Complied		Complied		Complied	
		Table		Complied		Complied		Complied		Complied	
		5 to 45		Complied		Complied		Complied		Complied	
		3 control buttons ("FreeMotion" button, button to save a pose and "Custom" button)		Complied		Complied		Complied		Complied	
		LED Ring		Complied		Complied		Complied		Complied	
		Speakers		Complied		Complied		Complied		Complied	
		Microphone		Complied		Complied		Complied		Complied	

36	Electronics Consumable Kit	Set of 1 which includes: Arduino UNO R3 – 5, Arduino NANO – 5, Arduino Mega – 3, Raspberry Pi Model 4B, 4GB – 3, ESP8266 Node MCU – 2, ESP32 Development Board – 2, Beagle bone Blu – 1, Beagle bone Black Rev 3 – 1, Voltage Regulator Module – 2, Mini Micro Submersible Water Pump – 2, Piezoelectric Plate – 2, 8*8 LED Matrix Module – 2, Bluetooth – 2, 7 Segment LED Display – 2, GSM/GPRS/GPS Module – 2, Laser Module – 2, LDR Module – 2, 4*4 Matrix Keypad – 2, Joy Stick Module – 2, Active Buzzer (BKG) – 2, Active Buzzer (SMALL) – 2, Motor Driver – 2, Sound Playback Module – 2, BO Motors – 10, Vibrating Motor – 10, Capacitive Touch Switch – 2, IR Sensors (Obstacle Sensors) – 2, Triple Axis Magnetometer – 2, Humidity Sensor – 2, MQ-2 – 2, MQ-3 – 2, MQ-4 – 2, MQ-5 – 2, MQ-7 – 2, Ultrasonic Sensor Module – 2, Triple Axis Accelerometer – 2, PIR Motion Detector Module – 2, Pulse Rate Heart Sensor – 2, Relay Module – 2, Soil Moisture Sensor – 2, Touch Sensor – 2, Rain Drop Sensor – 2, Flex Sensor – 2, Temperature Sensor – 2, Force Pressure Sensor – 2, Colour Recognition Sensor – 2, Water Flow Sensor – 2, Sound Sensor – 2, IR Sensor Array for Line Following – 2, RFID Reader-Tags – 2, RF Modules Tx & Rx 315 MHz ASK – 2, Stepper Motor with Driver Board – 2, Servo Motor 360° Rotation – 10, Servo Motor 180° Rotation – 10, Metal Gear Servo Motor (180° Rotation) – 10, Solder Wire 100 g – 10, Solder Flux – 10, 830 Points Solderless Breadboard – 5, 400 Points Solderless Breadboard – 5, Copper Clad Board Single Side – 10, Jetson Orin NX 16 GB module – 3; Raspberry Pi 5 8GB RAM - 3; Copper Clad Board Double Side – 10, Male to Male Breadboard Jumper – 10, Female to Female Breadboard Jumper – 10, Male to Female Breadboard Jumper – 10.	1 set	Generic	Custom		Generic			Generic
37	Standard Resin		5		Complied		Complied		Complied	
38	ABS Resin		2		Complied		Complied		Complied	
39	Water Washable Resin		2		Complied		Complied		Complied	
40	Dental Modal Resin		2		Complied		Complied		Complied	
41	Clear Resin		2		Complied		Complied		Complied	
42	Flexible Resin		2		Complied		Complied		Complied	
43	Filament PLA+		10		Complied		Complied		Complied	
44	Filament ABS		10		Complied		Complied		Complied	
45	Filament TPU		5		Complied		Complied		Complied	
46	Filament ASA		5		Complied		Complied		Complied	
47	Filament Nylon		5		Complied		Complied		Complied	
48	Filament PLA-CF		5		Complied		Complied		Complied	
49	Filament ABS-CF		5		Complied		Complied		Complied	
50	Filament PETG		5		Complied		Complied		Complied	
51	Vinyl Roll		2		Complied		Complied		Complied	
52	Color Inks		4		Complied		Complied		Complied	
53	Molybdenum Wire		2		Complied		Complied		Complied	
54	8' x 4' -MDF board		1		Complied		Complied		Complied	
55	Acrylic Sheet (8mm)		1		Complied		Complied		Complied	
56	Acrylic Sheet (10mm)		1		Complied		Complied		Complied	
57	Acrylic Sheet (12mm)		1		Complied		Complied		Complied	
58	Acrylic Sheet (15mm)		1		Complied		Complied		Complied	
59	Acrylic Sheet (18mm)		1		Complied		Complied		Complied	
60	Acrylic Sheet (20mm)		1		Complied		Complied		Complied	
61	Multi Pass Paste		1		Complied		Complied		Complied	
62	Sheet For Vacuum forming Small	120			Complied		Complied		Complied	
63	Sheet For Vacuum forming Large (Pack of 56)		2		Complied		Complied		Complied	
64	PU Sheet 1000 x 1000 x 3 mm		25		Complied		Complied		Complied	
65	Exhibit Rack		4	Complied		Complied		Complied		Complied
66	ESD Stools		12	Complied		Complied		Complied		Complied
67	3D Printer Rack		4	Complied		Complied		Complied		Complied
68	Audio system		1	Complied		Complied		Complied		Complied
69	Professional name board with the center name and Branding	1 set		Complied		Complied		Complied		Complied
70	Human Resource for 3 Years	1 No.,		Complied		Complied		Complied		Complied
Additional Terms and Conditions										
1	Technical Support The selected vendor shall provide one qualified human resources for operating and maintaining the facility for a period of three (3) years from the date of commissioning. The manpower provided must be adequately trained to handle the supplied equipment, conduct demonstrations, and ensure smooth day-to-day functioning of the lab/facility. The working hour of the manpower is from 2 pm to 11 pm from Tuesday to Friday and 9:30 am to 5 pm on Saturday and Sunday. No lodging and boarding will be provided in the IIT campus.			Yes		NA	Not found in the document	Yes		Yes
2	Financial Eligibility Each bidder must have an average annual turnover of at least ₹5 Crores during the last three financial years (FY 2022–23, 2023–24, and 2024–25). This turnover must be substantiated by a valid Chartered Accountant (CA) certificate or audited financial statements.			Yes		NA	Exempted	No	Financial Statements were not provided as per the bid	Yes
3	Declaration of non-blacklisting The bidder shall submit a notarized Declaration/Affidavit on ₹500/- Stamp Paper confirming that the firm has not been blacklisted by any IIT, NIT, Government Office, PSU, Autonomous Body, or any other Government-funded institution.			Yes		No	Declaration not provided as per the ATC format	Yes		Yes
4	Authorization Requirements Bidders must either be Original Equipment Manufacturers (OEMs) or duly authorized partners/distributors. Valid OEM authorization letters, issued on the OEM's official letterhead, must be submitted along with the bid.			No	Out of 21 OEMs only 7 OEMs Authorizations provided for remaining OEMs No declaration given	No		No		Yes
5	Experience and Client References The bidder shall demonstrate relevant experience by submitting at least five (5) purchase orders executed within the last three (3) years for the supply of similar equipment to academic, R&D, or industrial institutions. In addition, a list of at least five (5) institutional clients, including contact details, must be provided as references.			No	sold to only 4 clients from 2017 to 2018 period	No	As a newly incorporated entity (Date of Incorporation: 21-04 2025)	No	Last 3 Years they sold to 2 clients	Yes
6	Work Experience Criteria The Vendors / Bidders should have work experience as per the following parameters: Three similar completed work costing not less than Rs. 75,00,000/- in last 3 (Three) years for any Govt./Semi Govt./Centrally Funded Technical Institutes (CFTI) which includes IITs, IISERs, IIMs, NITs, IIITs, IISc and IIEST), CSIR Institutes, Central Universities and /or DAE Institutes (NISER, TIFR) where they have completed the similar works. OR Two similar completed work costing not less than Rs. 1,00,00,000/- in last 3 (Three) years for any Govt./Semi Govt./Centrally Funded Technical Institutes (CFTI) which includes IITs, IISERs, IIMs, NITs, IIITs, IISc and IIEST), CSIR Institutes, Central Universities and /or DAE Institutes (NISER, TIFR) where they have completed the similar works. OR One similar completed work costing not less than Rs. 3,00,00,000/- in last 3 (Three) years for any Govt./Semi Govt./Centrally Funded Technical Institutes (CFTI) which includes IITs, IISERs, IIMs, NITs, IIITs, IISc and IIEST), CSIR Institutes, Central Universities and /or DAE Institutes (NISER, TIFR) where they have completed the similar works.			No	Last 3 years there is no supply	No	Last 3 years there is no supply	No	Last 3 years there is no supply	Yes
7	Support and Service Facility It is mandatory that the bidder or OEM has a registered service/support office in India. For imported equipment, either the OEM or its authorized seller must submit a certificate confirming the availability of warranty, service, and spare parts support within India for 5 years duration from the installation and commissioning of the facility.			YES		No	Details not provided	No	Details not provided in Annexure VI	Yes
8	Mandatory Documentation The bidder must provide the following valid documents: ☐ Profession Tax Registration Certificate. ☐ Income Tax Return (ITR) for the last three years (2021–22, 2022–23, 2023–24). ☐ Copy of GST return filed up to November 2024. ☐ Copy of Permanent Account Number (PAN) card and GST. ☐ CA-certified turnover certificate for FY 2021–22, 2022–23, and 2023–24. ☐ CA-certified and audited balance sheets and financial statements (Form 3CB/3CA) for the last three years. ☐ Copies of successful work completion/experience certificates.			Yes	** Kindly check for Work completion certificate	No	OEM's authorization is not provided	Yes	** Kindly check for Work completion certificate	** Kindly check for Work completion certificate

9	Technical Documentation ☐ The vendor must supply complete technical documentation for all instruments and parts, including specifications and operating instructions. ☐ A complete design with clear marking of specifications mentioned in the bidding document must be provided wherever applicable. ☐ Make, Model, and Specifications of all quoted equipment must match the schedule of requirements. ☐ Scanned copies of technical brochures and website references of the quoted products must be included.	Yes		No	Some documents only provided	Yes		Yes	
10	Spare Parts and Maintenance Support ☐ There must be a local maintenance center in India with spare parts availability. ☐ The supplier shall provide a declaration ensuring an uninterrupted supply of spares and accessories for a minimum period of 5 years, even after the discontinuation of supplied machine.	Yes	Accepted but Document not provided	No	Not accepted and no document provided	Yes	Accepted but Document not provided	Yes	Accepted but Document not provided
	☐ Service response time, turn-around time and up-time of the instrument should be clearly specified. ☐ Service response time must be within 48 hours.	Yes	Accepted but Document not provided	No	Document not provided	Yes	Accepted but Document not provided	Yes	Accepted but Document not provided
11	Purchase Orders and Client List ☐ A minimum of five (5) scanned copies of Purchase Orders (not older than five years) for similar or higher specification equipment supplied in India must be included. ☐ A signed user list (at least five clients) with valid contact details, confirming that the instrument is operational, must be provided.	No	sold to only 4 PO from 2017 to 2018 period	No	As a newly incorporated entity (Date of Incorporation: 21-04 2025)	No	Last 3 Years they sold to 2 PO	Yes	
12	OEM Authorization and Agency Agreement ☐ If the bidder is not the OEM, a copy of the authorization certificate issued by the principal in favor of the vendor, along with a certified copy of the agency agreement, must be submitted. Both must be valid and up to date. ☐ Where applicable, the principal OEM must issue a letter on official letterhead declaring the bidder as an authorized agency to bid for the tender, mentioning the tender reference number.	No	Out of 21 OEM's only 7 OEM's Authorizations provided for remaining OEM's No declaration given	No	OEM's authorization is not provided	No	As per Techno Commercial Evaluation 5 OEM Authorizations provided, remaining mentioned as General and RIA made briefly to be checked technically	Yes	
13	Compliance Sheet The bidder must provide a duly signed compliance sheet addressing every specification mentioned in the technical bid document, with deviations (if any) clearly indicated. This compliance sheet, however, will not be considered as a substitute for technical specifications.	Yes	Document Provided	Yes	Document Provided	Yes	Document Provided	Yes	Document Provided
14	Bid Submission Each bidder must mandatorily quote for all items mentioned in the Bill of Quantities (BoQ). Partial bid submission is strictly not permitted and leads to vendor disqualification	Yes		Yes		Yes		Yes	
15	Warranty The supplied equipment shall carry a comprehensive on-site warranty of three (3) years from the date of installation and acceptance at IIT Tirupati. The supplier shall be responsible for fulfilling all performance and consumption guarantees as per the contract. In case the guarantees are not met, the supplier shall undertake corrective measures, performance testing, or replacement at their own cost to achieve the contractual guarantees.	Yes		No	Document Not Provided	Yes		Yes	
16	General Special Instruction ☐ Each machine should have the aesthetically appealing display component(s) explaining the full capabilities of the machine. ☐ Portable individual display boards integrated with focus light and made of acrylic material with the do's and don'ts of the machines with the QR scanner providing the specifications of the machine along with the working video and operational procedures. ☐ Soft and hard copies (1 in no.) of all the machine manuals. ☐ Shifting, reinstallation and commissioning of all the equipment should also be done in the permanent facility without any charges within five years from the date of installation of present establishment in the temporary facility. Any damages incurred while shifting the equipment and the related repair/ replacement will be under the vendor scope. ☐ Onsite installation, commissioning and training of the equipment up to the participants satisfaction will be the responsibility of the vendor. ☐ The bidder/firm should also enclose all the relevant technical documents and catalogues for all the components included in the proposal. Proposals without proper technical documents and catalogues will be rejected. IITT will also parallelly check online for these catalogues (matching with the specs) in the vendor website ☐ Activities also under the scope of the vendor: - Providing documentation with complete details on <i>operational setup and maintenance of the facility</i> - Providing documentation with complete details on <i>Training program development and outreach activities</i>, - <i>Preparing the promotional material and website development</i>. Immediately after awarding the tender, the vendor should begin working on providing the documentation and materials for the above tasks. The vendor is required to attend a daily online meeting of 1 hour 30 mins with IIT Tirupati team until the satisfactory completion of the above-mentioned activities. It is mandatory for the vendor to complete these activities within one month of awarding the tender. ☐ Comply to IIT Tirupati discretion to qualify/disqualify any vendor without assigning any reason. ☐ Items shall be unpacked and installed by the vendor with trained laborers and technicians. (vendor scope)	Yes	Accepted	No	Document Not Provided	Yes	Accepted	Yes	Accepted
	☐ Crane and other facilities for the delivery, shifting to laboratory place and installation of the equipment at the appropriate place is the . ☐ All vendors need to provide compliance for each and every point mentioned above and if found the points were missed out, then IIT has the liberty to disqualify the vendor.	Yes	Accepted for Crane and other facilities but declaration letter not provided documents.	No	No relevant information found	No	No relevant information found	Yes	
17	SITE VISIT: The Bidder is advised to visit and examine the installation site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid. The costs of visiting the site shall be borne by the Bidder. The Bidder representative shall be allowed entry upon consignee premises for such visits, only upon the express conditions that the Bidder will release and indemnify the Buyer and Consignee against all liabilities arising out of such visit including death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such visit. The Bidder shall not be entitled to hold any claim against Buyer for noncompliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the bid.	Yes	Accepted for site visit but declaration letter not provided documents	No	No relevant information found	Yes		Yes	
A	The bidder should be OEM or OEM authorized Dealers / Channel partners / Distributors of reputed brand having authorization for sales and after sales support. Valid OEM authorization letter is required to participate in this tender.	Yes		No	No relevant information found	Yes		Yes	
B	The Bidder or its OEM (themselves or through reseller(s)) should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.	No	sold to only 4 clients from 2017 to 2018 period	No	No relevant information found	No	Sold only unlisted company	Yes	
C	Complying with Delivery period : 90 DAYS (Yes / No)	No	Information Not found	No	Information Not found	No	Information Not found	Yes	
	Technical Recommendations (Qualified / Not Qualified)	Not Qualified		Not Qualified		Not Qualified		Qualified	
	If not qualified, please specify the detailed reasons for disqualification	1. Techno-commercially not qualified. 2. Technically not qualified as per the points highlighted in red.	1. Techno-commercially not qualified. 2. Technically not qualified as per the points highlighted in red.	1. Techno-commercially not qualified. 2. Partially qualified technically; however, the insufficient response in the "Additional Terms and Conditions," as highlighted in red, has resulted in the vendor being technically disqualified as well.	1. Qualified both technically and techno-commercially				

Name of the Supply : Supply Installation Testing and Commissioning of MAKERS LAB EQUIPMENT -TURNKEY PROJECT					
Sl. No.	Name of the document	M/s. Fine Weld Systems	M/s. Novastar Consultancy Private Limited	M/s. RIA Electronics	M/s. Technoventor Innovaions Private Limited
	Techno-Commercial part (To be filled by the Purchase section)				
1	Purchase Preference: (if applicable) Micro and Small Enterprises (MSEs)	Yes	Yes	Yes	Yes
2	Start Ups	NA	Yes	NA	Yes
3	OEM/Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document is Rs. 153 Lakhs. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM/Bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. Annual Turnover as per the Bid Document 153 Lakhs	FY: 2021-22: 4.5009 Cr FY: 2022-23: 5.7834 Cr FY: 2023-24: 7.3423 Cr	NA As the Supplier's company established on 20/05/2025. As per the bid we have given exepmtion for Statrups for Experience and Turnover.	NO [FY: 2020-21: 95.97 Lakhs FY: 2021-22: 1.57 Cr] Requried Documents for FY 2022-23& 2023-24 not provided	FY: 2023-24: 9.28Cr FY: 2022-23: 8.34 Cr FY: 2021-22: 3.78 Cr
4	The bidder should be a Class-I/ Class-II/ Non-local suppliers in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP (BE-II) dated 04 Jun 2020. A Self-Declaration Certificate regarding “Class-I/ Class-II/ Non-local suppliers” for the item to be submitted.	Class-II Supplier Local Content 32%	Class-I Supplier Local Content more than 50%	Class-II Supplier Local Content 40%	Class-II Supplier Local Content 20%
5	Any bidder from a country which shares a land border with India will be eligible to bid in this Bid only if the bidder registered with the competent authority. The concerned bidder(s) are required to attach the relevant valid Registration Certificate along with the bid for consideration.	NA	NA	NA	NA
6	Tender Acceptance Letter (Annexure-IV)	Yes	Submitted But, Not as per the Bid ATC Format	Yes	Yes
7	Non-Blacklisting undertaking (Annexure-V)	Yes		Yes	Yes
8	Bid Security Declaration (Annexure-IX)	Yes		Yes	Yes
9	Price Reasonability cum Fall Clause Certificate (Annexure-XI)	Yes		Yes	Yes
10	Integrity Pact (Annexure-XII)	Yes		Yes	Yes
	Commercial Recommendations	Qualified	Qualified	Not Qualified	Qualified
	Remarks	1. Supplier not provided All OEM letters or any information related authorization	1. Suppier Not supported requried bid documents as per the tender format 2. Item OEM details were not provided	1. Financial Statements were not provided as per the bid 2. Supplier not provided All OEM letters or any information related authorization	-
	Technical Recommendations	Diqualfied	Diqualfied	Qualified	Qualified
	Remarks	1. Techno-commercially not qualified. 2. Technically not qualified as per the points in Enclosure-1	1. Techno-commercially not qualified. 2. Technically not qualified as per the points in Enclosure-2	1. Techno-commercially not qualified. 2. Partially qualified technically; however, the insufficient response in the “Additional Terms and Conditions,” has resulted in the vendor being technically disqualified as well.	-
	Final Recommendations	Not Recommended	Not Recommended	Not Recommended	Recommended