

ANNEXURE "A" CSIR RFQ 5782/07/12/2021

Line item	Specification	Brand
	 Printing technology: FDM (Fused Deposition Modeling) Build Volume: 450 x 450 x 470mm Max printing speed: 180mm/s Printing Resolution: 0.1mm Nozzle diameter: 0.4mm (Standard) Max heated bed temperature: 100 Deg C Connection mode: SD card (Offline) or USB cable Compatible file format: STL, OBJ, 3MF Slicing Software: Cura / Repetier-Host / Simplify3D Power Input: 200-240V AC, 50/60Hz, 7.8A Maximum power usage: 750W Compatible Filaments: PLA, ABS, PETG, TPU, Wood, Nylon Filament Diameter: 1.75mm Nett Weight: 20kg Machine size: 650 x 785 x 735mm Shipping Weight: 24.8kg Shipping size: 735 x 735 x 305mm Slicer 	Creality
2	20 kg Black 1.75 mm filament,PLA	Filament to be used on raise 3D printer and creality 3D printer
3	20 kg Red 1.75 mm filament,PLA	Filament to be used on raise 3D printer and creality 3D printer
4	20 kg White 1.75 mm filament,PLA	Filament to be used on raise 3D printer and creality 3D printer



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5	20 kg Black 1.75 mm	
	filament,Nylon	
6	20 kg Red 1.75 mm	
	filament,Nylon	
7	20 Kg Blue 1.75mm	
	filament,Nylon	
8	20 kg Black 1.75 mm	
	filament,PETG	
9	20 kg Red 1.75 mm	
	filament,PETG	
10	20 Kg Blue 1.75mm	
	filament,PETG	
11	 Printing technology: FDM (Fused Deposition Modeling) Build Volume: 200 x 170mm x infinite Z Printing Resolution: 0.1mm Nozzle diameter: 0.4mm (Standard) Max heated bed temperature (or should I say heated belt): 100 Deg C Connection mode: SD card (Offline) or USB cable Compatible file format: STL, OBJ, 3MF Slicing Software: Cura / Repetier-Host / Simplify3D Power Input: 200-240V AC, 50/60Hz, 1.8A Compatible Filaments: PLA, ABS, PETG, TPU, Wood, Nylon Filament Diameter: 1.75mm Nett Weight: 16.5kg Machine size: 535 x 656 x 410mm Shipping Weight: 20.5kg Shipping size: 685 x 565 x 302mm 	Creality



Raise 3D PRO 2 PLUS 3D Build Volume 305×305×605 mm			
Layer Height 0.01mm Diverse Filament Compatibility Up to 300°C Board 32 Bit Motion Control Board Screen 7-inch Touch Screen Resume Resume Print after Power Loss or Filament Outage Connection Wireless Compatibility Electronic Drive Dual Extrusion with Retracting Hot Ends; 4× Increased torque performance Materials PLA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA / PP / PVA / Glass Fiber Infused / Garbon Fiber Infused / Metal Fill / Wood Fill High repeatability <0.005 mm, 5 micron Lightning speed 1s switching time Slicing Software IdeaMaker Supported File Types STL/ OBJ/ 3MF Net Weight 59.3 kg	 Build Volume 305×305×605 mm Layer Height 0.01mm Diverse Filament Compatibility Up to 300°C Board 32 Bit Motion Control Board 32 Bit Motion Screen Resume Resume Print after Power Loss or Filament Outage Connection Wireless Compatibility Electronic Drive Dual Extrusion with Retracting Hot Ends; 4× Increased torque performance Materials PLA / ABS / HIPS / PC / TPU / TPE / NYLON / PETG / ASA / PP / PVA / Glass Fiber Infused / Carbon Fiber Infused / Carbon Fiber Infused / Metal Fill / Wood Fill High repeatability <0.005 mm, 5 micron Lightning speed 1s switching time Slicing Software IdeaMaker Supported File Types STL/ OBJ/ 3MF Net Weight 	Raise	



13 The Photon Mono X is Anycubic the bigger model from Anycubic of the next generation resin 3D printers. These printers have more powerful focused UV LEDS and monochrome LCD screens. The result of this is a 3D printer printing almost 3 times the speed than previous resin printers. This is a big leap forward in the world of resin 3D printing. 3D Printer type: LCD based UV SLA Interface: 3.5 inch Touch Screen • Software : ANYCUBIC Photon workshop (Included) Connectivity: USB • Light-source: High-quality UV LEDs (wavelength: 405nm) • XY Resolution: 0.050mm (3840x2400 (4K) monochrome LCD) • Z Axis Resolution: 0.01mm • Layer Resolution: 0.01 - 0.15mm Printing Speed: MAX 60mm/h • Rated Power: 120W Printer Size : 270mm(L) x 290mm(W) x 475mm(H) • Build Volume: 192mm(L) x 120mm(W) x 245mm(H) Resin used: 405nm UV Net Weight: 10.75kg



14	Simplify3D Training	
15	IdeaMaker Software	
16	3D Creator Software	
17	Simplify 3D Software	
18	3 X USB Storage Devices	
19	Wash and cure for the resin printer	
20	20 X 1.75 mm Filament Containers	To match creality resin 3D printer
21	20 x 1L Rigid Resin Black	To match creality resin 3D printer
22	20 x 1L Rigid Resin Grey	To match creality resin 3D printer
23	20 x 1L Rigid Resin White	To match creality resin 3D printer
24	IdeaMaker Software Training	
25	3D Creator Slicer for LD Training	
26	6 x Adhesive resistant gloves	
27	5 X FEP (fluorinated ethylene propylene) Sheets	
28	5L IPA(Isopropyl alcohol)	