

**DEPARTMENT OF MECHANICAL
ENGINEERING, VJTI, MUMBAI**

CSR Proposal



Digital Twin Lab				
AI ML Data analyst on VR enables remote collaboration; Industry 4.0.				
Equipments	Description	Q t y .	Price	
SLA (Stereolithography), DLP (Digital Light Processing), MSLA (Masked SLA)	<p>Asiga Max 2DLP 3D Printer - Open System Dental Resin Printer. Build Volume (X, Y, Z): 119 × 67 × 75 mm (4.69 × 2.64 × 2.95 in)</p> <p>Pixel Resolution: 62µm</p> <p>Technology: DLP</p> <p>Auto-Calibrated UV-LED: Standard 385 nm (Optional 405 nm available)</p> <p>Material Compatibility: Supports over 500 certified resins or custom resin formulations.</p> <p>Software: Asiga Composer software, including lifetime updates.</p> <p>Supported File Formats: STL, SLC, PLY, STM (Asiga Stomp format)</p> <p>Network Compatibility: WLAN, Wireless Direct, Ethernet</p> <p>Power Requirements: 100-240 VAC, 50/60 Hz, ≤2 Amps</p> <p>System Dimensions: 260 × 385 × 370 mm / 19.3 kg (10.2 × 15.2 × 14.5 in / 42.6 lb)</p> <p>Package Dimensions: 410 × 500 × 480 mm / 21.6 kg (16.1 × 19.7 × 18.9 in / 47.6 lb)</p>	1	₹9,67,977.35 + tax	
FDM/FFF (Fused Deposition Modeling / Fused Filament Fabrication)	<p>Model: Elegoo – OrangeStorm Giga 3D Printer</p> <p>Build Volume: 800 x 800 x 1000 mm³</p> <p>Printing Speed: Up to 300 mm/s</p> <p>Multi-Nozzle: Supports up to 4</p>	1	2,49,999.00 (Incl. GST)	

	nozzles Heated Bed: 4 independent PEI plates, max 100°C Nozzle Temp: Max 300°C			
DMLS/SLM (Direct Metal Laser Sintering / Selective Laser Melting) – metals	Industrial Large FDM 3D Printer. Super large building size 800x800x800mm Footprint size 1100x1000x1150mm Large Fixed foot cup & Reinforce cross braces Auto-Leveling TR black sensor Direct drive 80cm 31 inch 3D Printer Open source freely modification Stable 30R Extrusion profile frame structure Eight languages Touch Screen & USB connection Fully assembled and packaged with wooden frame: Size 126x122x136cm 320 degree direct hot ends can print a wider range of filaments, ie: PLA,ABS,PP, Nylon/PA, PC, TPU, filaments with metal components etc. Metal OSG 15 rails XYZ axis and aluminum frame.	1	8,00,000/Piece	
TOTAL			20,17,976.3 5 /- + GST	

**Total Cost: Twenty Lakh Seventeen Thousand Nine hundred
Seventy Six Only**