

**Prayas Centre Name** Science and Technology Park, Pune  
**City** Pune  
**State** Maharashtra  
**Fablab Page Link** NA

**Equipment available at DST PRAYAS SHALA**, 1st Floor, Department of Mechanical Engineering, Cummins College of Engineering for Women, Karve Nagar, Pune – 411052.

Section		Electronic/Prototyping Facility
Sr. No.	Equipment Name	Equipment detail
1	3D Scanner	<p><b>Brand</b> – Shining 3D  <b>Model</b> - EinScan-SE 3D Scanner  <b>Specification</b> - Scan volume - min 30 x 30 x 30 mm, max 700 x 700 x 700 mm, Range of Single Capture - 200x150 mm, Single Shot Accuracy - ≤0.1 mm, Scan Speed - &lt;8 s  <b>Operational area</b> - Scanning, Observe a scene in three dimensions  <b>Software support</b> - Graphics card: Nvidia series; Graphics memory &gt; 1G  <b>Link of the user manual</b> - <a href="https://drive.google.com/file/d/1-mqS1kIYj7G9rDnvol4e8QsBGC5VvgWR/view">https://drive.google.com/file/d/1-mqS1kIYj7G9rDnvol4e8QsBGC5VvgWR/view</a></p>
2	3D Printer	<p><b>Brand</b> - Ultimaker 2+  <b>Model</b> - Think3D  <b>Specification</b> -Build volume : 223 x 223 x 205 mm, Max layer resolution - 20 microns, XY positioning precision - 12.5 microns, Z positioning precision - 5 microns, Print speed - 30 to 300 mm/s, Print technology- FDM, Filament diameter- 2.85 mm, File supported - *.stl, Software support - CURA  <b>Operational area</b> - Product development, Manufacturing, End-use parts, Architecture, Education Material support - PLA, ABS Filament  <b>Link of the user manual</b> - <a href="https://docs.rs-online.com/70d5/0900766b816176aa.pdf">https://docs.rs-online.com/70d5/0900766b816176aa.pdf</a></p>
3	Soldering Gun (5 Nos)	<p><b>Brand</b> - SOLDRON  <b>Specification</b> – 25W,230V  <b>Operations</b> - Soldering.</p>
4	Desoldering Gun (5 Nos)	<p><b>Brand</b> – YATO  <b>Model</b> – YT-82743  <b>Operations</b> - Desoldering.</p>
5	Allen Set (5 Nos)	<p><b>Brand</b> – Taparia  <b>Model</b> – KM9V  <b>Specification</b> – Size 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm.  <b>Operations</b> – Screw tightening and loosening.</p>
6	Precision Screwdriver Set (4 Nos)	<p><b>Brand</b> – Stanley  <b>Model</b> – 66=039  <b>Specification</b> – 6 piece precision screwdriver set</p>
7	Lenses (5 Nos)	<p><b>Brand</b> – MG  <b>Model</b> – MG 89076  <b>Specification</b> – 4x and 6x magnifying capacity, 75mm.  <b>Operations</b> – Circuit magnification.</p>
8	Rubber Hand Gloves for Personal Safety (5 Nos)	<p><b>Brand</b> – VOLK  <b>Model</b> – 9-9.5  <b>Operations</b> – Safety Gloves.</p>
9	Hot Air Heat Gun	<p><b>Brand</b> – Weller  <b>Model</b> – 6966 EK  <b>Specification</b> – 50W/230V</p>

10	Screwdriver Kit	<b>Brand</b> – Taparia <b>Model</b> – 1014 <b>Specification</b> – Set of 7: 814, 935-I, 862-100, 824, 861-75, 925 and 913
11	Table Top Magnifier with Lamp	<b>Brand</b> – MG <b>Model</b> – MG16129-C <b>Specification</b> – 5LED Auxiliary clip magnifier, AC/DC interchangeable, Size: 2.5x90, 7.5x34, 10x34. <b>Operations</b> – Circuit magnification.
12	Desoldering Pump	<b>Brand</b> – Weller <b>Model</b> – SA21A
13	Digital Multimeter (4 Nos)	<b>Brand</b> – HTC <b>Model</b> – 830L <b>Specification</b> – AC DC 600V, Current DC 10A
14	Multimeter	<b>Brand</b> – Rishabh <b>Model</b> – MM20DMM Multiseries /14S <b>Specification</b> – No. of counts: 3100, Basic Accuracy: 0.25%, Current AC 3mA, 300mA, 10A
15	Handheld Digital Multimeter	<b>Brand</b> – Keysight <b>Model</b> – U1231A <b>Specification</b> – 6000 count, Handheld Digital Multimeter
16	Handheld LCR Meter	<b>Brand</b> – Keysight <b>Model</b> – U1731C/ U1732C/ U1733C <b>Specification</b> – 20000 count, 0.2 % basic accuracy
17	Tachometer	<b>Brand</b> – Fluke <b>Model</b> – 931ESP <b>Specification</b> – Combo Tachometer: contact and non-contact
18	Clamp meter	<b>Brand</b> – Keysight <b>Model</b> – U1211A/U1212A/U1213A <b>Specification</b> – RMS 1000A AC
19	Function / Arbitrary Waveform Generator (2 Nos)	<b>Brand</b> – Tektronix <b>Model</b> – AFG 1022 <b>Specification</b> – 20 MHz, 2 Channel
20	Oscilloscope	<b>Brand</b> – Tektronix <b>Model</b> – TBS1102B <b>Specification</b> – 100MHz ( Basic Version )
21	Digit DMM	<b>Brand</b> – Tektronix 6, 5 <b>Model</b> – DMM4040 <b>Specification</b> – 100MHz ( Basic Version )
22	Oscilloscope	<b>Brand</b> – Tektronix 1000:1 <b>Model</b> – P5122 <b>Specification</b> – 200MHz, 1000V 1 KV scope probe
23	Mixed Signal Oscilloscope	<b>Brand</b> – Tektronix <b>Model</b> – MSO2014B <b>Specification</b> – 100 MHz, 4 Analog Plus 16 Digital Channels with all Serial Triggering and Analysis (CAN, LIN), I2C, SPI, RS232C
24	Power Supply with Probes (5 Nos)	<b>Brand</b> – Hatco India (HTC) <b>Model</b> – DC3010 <b>Specification</b> – 30V/10A Single Channel with Probes

25	Soldering Station	<b>Brand</b> – Weller Make <b>Model</b> – WSD81I <b>Specification</b> – 1 Channel, 70W/230V Soldering Station with A020271711 - MXTA 1.6mm Soldering Tips <b>Operations</b> – Soldering
26	DC Power Supply	<b>Brand</b> – Itech Electronic <b>Model</b> – IT 6322A <b>Specification</b> – 30V/3A/90W×2CH   5V/3A/15W×1CH
27	DC Power Supply	<b>Brand</b> – Scienteck <b>Model</b> – 4073 <b>Specification</b> - DC 0 - 30 V / 2 A
28	PCB Prototyping Machine (PTH Setup with Power Supply, TINA LOCK V11DS)	<b>Brand</b> – NVIS <b>Model</b> – NVIS72 <b>Specification</b> – Working area : 220x200 mm, Min.drill hole size : 0.3 mm, Min. Cutting trace/space : 0.2 mm, Spindle speed (Max.rpm) : 25000 rpm spindle, Motor : BLDC Motor, Milling depth sensing : Automatic, Tool change : Manual, Tool Holder : 1/8 inch, X/Y/Z driver : Stepping, Software CD, Learning Material CD, Copper clad boards (single side 140 x 140mm) pack of 10: 05 nos, Copper clad boards (double side 140 x 140mm) pack of 10:01 Nos., Engrave bits 0.15mm(60)-2 : 02 Nos, Tinning liquid (125ml): 01 Nos. <b>Operations</b> – PCB routing <b>Material</b> – PCB boards (Glass fiber reinforced epoxy resin)
29	Workstation (02 nos.)	Intel Core i7 7700T processor, Integrated Graphics, Intel H110, Chipset, 2*8GB DDR4 2133MHz, 1TB GB 7200 RPM, 21.5" WTFT No, TCO, VGA, 2 GB Nvidia Graphic Card, USB Keyboard, USB Mouse, MT Chassis, 4 USB 3.0 ports, 4 USB 2.0 ports, 1 VGA, 1 Serial, 1 RJ-45, Audio in and Audio out, Windows 10 Pro 64Bit
30	Workstation	Work Station ( Stabilizer, Compressor: 2 H.P Air Compressors, Two Cylinders, Single Stage With 100)
31	Industrial Design & Development Tool (02 nos.)	Creo Simulate
32	IGETIT (02 nos.)	TATA Technologies Knowledge Management Platform
33	ISRO (Feast) Tool (05 nos.)	Linear static analysis, Free-vibration analysis, Buckling analysis, Transient response, Frequency response, Random response, Base excitation, Inertia relief method, Visco-elastic analysis, Thermal analysis.
34	Industrial Simulation Tool (02 nos.)	MSC Pack, Adams Studio Package, MSC Apex Modeler with Patran Bundle, MSC Apex structures, MSC Nastran Linear Structures Package, Simufact Forming Hub, Simufact Forming Parallel Core, scFlow – Standard Set.
35	3D Pen	<b>Brand</b> – Lix <b>Specification</b> - Lix 3d pen, Diameter: 9-15mm, Length: 15.9 cm, Heating Point: 200 deg. Cel., External Power Adapter, USB-DC cord, 2 pack of ABS filaments (random color) with Lix 3D Filament Pack of 25 ABS or PLA strands (each 25cm long)
36	Thermal Imaging Camera	<b>Brand</b> – FLIR <b>Model</b> – FLIR C5 <b>Operations</b> – Thermal Camera.
37	3D object modeling software	Sketchup Pro
38	CAD/CAM Software	<b>Brand</b> – Mastercam software for VMC and CNC Router
39	CAD software	<b>Brand</b> - ZWCAD Professional software for basic CAD

40	PCB Design Software	<b>Brand</b> - Pads Standard 3D suite AP SW
41	Corel Draw	<b>Brand</b> - Corel Technical Suite 2018 Part No.: LCCDTS2018ML
42	Product Development and Simulation	<b>Brand</b> - Rhino, Flamingo, Penguin, Bongo Bundle
43	Digital Sketching Pad	<b>Brand</b> – Wacom Intuos <b>Model</b> – CTL6100WL <b>Specification</b> – Size: 10.4 x 7.8 x 0.4 inches, Active area: 8.5 x 5.3 inches, Weight: 410 gm. <b>Operations</b> – Sketching and Designing.
44	Printer	<b>Brand</b> – EPSON <b>Model:</b> L-1300 <b>Specification</b> – 17PPM, 5760x5760DPI, AC 110V-240V, 50-60 HZ, 40 sheets paper output
45	Accessories	ESD rubber MAT 1x10 mtr with Installation (1 Nos) Helmet, Gloves, Apron, Goggles, Handgloves, Shield, Gum Boots
46	Electronic Consumables (Soldering Metal and Insulation Tape, Banana Pins & Crocodile Pins)	<b>Brand</b> – Steelgrip <b>Model</b> – MG16129-C <b>Operations</b> – Electric Insulation.
47	UPS	2.3 KVA UPS for Laser Engraver and Workstations

Section		Metal working Facility
Sr. No.	Equipment Name	Equipment detail
48	Laser Cutting and Engraving machine	<p><b>Brand</b> - SIL (Suresh Indu Lasers Pvt. Ltd.)</p> <p><b>Model</b> - 1212</p> <p><b>Specification</b> - Working Area - 1200 mm × 1200 mm, Laser type - CO2 DC glass laser tube, Laser power - 60/80/100/130 Watt, Cutting speed - 0 to 30000 mm/min, Engraving speed - 0 to 64000 mm/min</p> <p>Graphic file support - .plt, .cdr, .ai, .dwg, .dst, .dxf, .bmp, .jpeg, .tiff, .gif, .pcx etc.</p> <p><b>Materials</b> - Plastics, Fabrics, Glass (only engraving), Rubber, Wood.</p>
49	Vacuum Forming Machine	<p><b>Brand</b> - Khanna Industries</p> <p><b>Model</b> - PC-19</p> <p><b>Specification</b> - Maximum coil temperature - 650°C, Dimensions of the clamp - 670 mm × 550mm, Speed of vacuum pump - 3000 rpm.</p> <p><b>Operations</b> - Moulding.</p> <p><b>Materials</b> - Thin Metals, Plastics, Acrylic.</p>
50	Plasma Arc Cutting Machine	<p><b>Brand</b> – ATE (ATE WERA)</p> <p><b>Model</b> - PT100</p> <p><b>Specification</b> - Current rating - 20 amp to 100 amp, Power factor - 0.93, Power Supply - 3 phase, Maximum thickness allowed - 30 mm, Technology - Inverter Technology.</p> <p><b>Operations</b> - Cutting carbon steel, alloy steel stainless steel, cast iron, aluminum, copper etc.</p> <p><b>Materials</b> - Metals.</p>
51	Portable Arc Welding Setup	<p><b>Brand</b> - BIM (Baghban Industrial Machines Pvt. Ltd.)</p> <p><b>Model</b> - BWT 200 FE</p> <p><b>Specification</b> - Current rating - 0 to 200amp, Technology - Inverter based, IGBT based, Welding type - Arc welding, Duty cycles - 90 to 200 amps, Cooling - Fan cooled, Open circuit voltage - 45 V.</p> <p><b>Operations</b> - Metal Welding.</p> <p><b>Materials</b> - Metals.</p>
52	Lathe Machine	<p><b>Brand</b> - BANKA</p> <p><b>Model</b> - BANKA 34 (Thunderbolt - 750mm)</p> <p><b>Specification</b> - Bed Length - 5 ft, Center height - 170 mm, Swing over bed - 340 mm, Spindle bore - 40mm, Spindle speed - 60 to 1050 rpm, Width of bed - 240 mm, Lead screw - 6 mm, Weight - 600 kg.</p> <p><b>Operations</b> - Facing, Turning, Drilling, Boring, Threading.</p> <p><b>Materials</b> - Metal, Wood.</p>
53	Lathe Machine	<p><b>Brand</b> - BANKA</p> <p><b>Model</b> - BANKA 34 (Thunderbolt - 750mm)</p> <p><b>Specification</b> - Bed Length - 5 ft, Center height - 170 mm, Swing over bed - 340 mm, Spindle bore - 40mm, Spindle speed - 60 to 1050 rpm, Width of bed - 240 mm, Lead screw - 6 mm, Weight - 600 kg.</p> <p><b>Operations</b> - Facing, Turning, Drilling, Boring, Threading.</p> <p><b>Materials</b> - Metal, Wood.</p>

54	Radial Drilling Machine	<p><b>Brand</b> - Varsha  <b>Model</b> - NA  <b>Specification</b> - Drilling Capacity - 25 mm, Pillar diameter - 129 mm, Spindle nose to table distance - 615 mm, Distance form to base distance - 815 mm, Distance form spindle center to pillar face - 700 mm, Taper in spindle - MT 3, Number of speed - 8 speed, Range of speed - 116 rpm to 2880 rpm, Table size - 275 mm × 200 mm × 200 mm, Base size (machine area) - 480 mm × 800 mm, Overall base size - 580 mm × 910 mm, Spindle travel - 180 mm, Pillar length - 1070 mm, Weight - 450 kg.  <b>Operations</b> - Metal and Wood Drilling.  <b>Materials</b> - Metal, Wood.</p>
55	Sheet Metal Press Machine	<p><b>Brand</b> - KTC  <b>Model</b> - NA  <b>Specification</b> - Straight line cutting of sheet metals up to 3.0mm thick.  <b>Operations</b> - Cutting  <b>Materials</b> - Sheet Metals.</p>
56	Sheet Metal Bending Machine	<p><b>Brand</b> - JK (JK Machines)  <b>Model</b> - NA  <b>Specification</b> - Heavy duty fly press, Screw Diameter - 76 mm, Hole in bed - 31.75 mm, Length - 600 mm, Diameter of wheel - 812 mm, Width between frames - 330mm, Bed to guide - 254 mm, Size of bed - 406mm × 609mm.  <b>Operations</b> - Metal Bending and Shearing, Drawing.  <b>Materials</b> - Metals.</p>
57	Hydraulic Pipe Bending Machine	<p><b>Brand</b> - Hydrobend  <b>Model</b> - 2060  <b>Specification</b> - Pressure - 30 tons, Size - 3/8 inch to 6 inch, Maximum bending radius - 0 to 50 mm, 50 to 100 mm, Maximum bending angle - 90 degrees, Power - Hydraulic.  <b>Operations</b> - Metal Pipe Bending.  <b>Materials</b> - Metal Pipes.</p>
58	Stone Grinding Wheel Machine	<p><b>Brand</b> - Stanley  <b>Model</b> - STGB3715  <b>Specification</b> - Power - 1300 W, Disc Capacity - 180 mm.  <b>Operations</b> - Metal grinding.  <b>Materials</b> - Metals.</p>
59	Radial Band saw	<p><b>Brand</b> - Jai Max Series  <b>Model</b> - 661010np  <b>Specification</b> - Diameter of saw wheels - 455 mm, Throat depth - 430 mm, Maximum cutting capacity - 254 mm, Work table size - 535 mm × 585 mm, Table tilt degree - 45°, Width of saw wheels - 50 mm, Blade length - 3500 mm, Speed of saw wheels - 500 rpm/750 rpm, Power required (HP/rpm) - 2/1440, Approximate weight of machine - 300 kg.  <b>Operations</b> – Wood cutting.  <b>Materials</b> - Wood.</p>

60	Surface planner with circular saw	<p><b>Brand</b> - Jai Popular Series  <b>Model</b> - 206 (661009np)  <b>Specification</b> - Power required HP/rpm - 2/1440, Cutter block speed - 4000 mm/s, Max circular saw diameter - 300 mm, Surfacing capacity - 228 mm, Length of surface table - 1220 mm, Rebating capacity - 12.5 mm, Up/Down movement of circular saw - 75 mm, Approximate weight of machine - 150 kg.  <b>Operations</b> – Wood planning and cutting.  <b>Materials</b> - Wood.</p>
61	Circular saw with tilting model	<p><b>Brand</b> - Jai Master Series  <b>Model</b> - 534 (661009np)  <b>Specification</b> - Circular saw diameter × bore - 305 mm × 25.4 mm, Maximum depth of cut - 89 mm, Table tilt degree - 45°, Work table size - 660 mm × 560 mm, Circular saw speed - 4000 rpm, Power required (HP/rpm) - 3/1440, Approximate weight of machine - 175 kg.  <b>Operations</b> - Wood cutting.  <b>Materials</b> - Wood.</p>
62	Wood Belt Sander with Disc	<p><b>Brand</b> - Jai Popular Series  <b>Model</b> - NA  <b>Specification</b> - Sanding belt size - 150 mm × 1220 mm, Sanding disc size (diameter) - 254 mm, Spindle (rpm) - 1400 rad/s, Power required (HP/rpm) - 1/1440, Approximate weight of machine - 50 kg.  <b>Operations</b> - Wood grinding.  <b>Materials</b> - Wood.</p>
63	Vertical Milling Center with Stabilizer	<p><b>Brand</b> - 3D Magic  <b>Model</b> - NA  <b>Specification</b> - Travels (x, y, z) - 600 mm, 400 mm, 300 mm, Maximum feed rate - 0.1 mm/sec, Spindle run out - 10 microns, Spindle speed range -10 to 600 rpm, Maximum tool weight - 5 kg, Number tools in ATC - 12 tools, Air pressure requirement - 5 bar, Overall machine dimensions - 2000 mm × 700 mm × 2100 mm, Table size - 800 mm × 400 mm, Maximum load on table - 75 kg, Net weight of the machine - 2 tons, Axis motor type - servo motors, Power requirement - 5 to 6 kw.  <b>Operations</b> - Milling.  <b>Materials</b> - Metals.</p>
64	Vacuum Extractor	<p><b>Brand</b> - Bosch  <b>Model</b> - Professional Gas 15L  <b>Specification</b> – 15L, 1100W, 220 mbar, 33 ltr/sec.  <b>Operations</b> – Vacuum cleaning.</p>
65	Machine Vice 15cm	<p><b>Brand</b> - Apex  <b>Model</b> - NA  <b>Specification</b> – 15 cm  <b>Operations</b> - Holding.  <b>Materials</b> - Metals.</p>
66	Vice Bench 12cm Jaws	<p><b>Brand</b> - Apex  <b>Model</b> - NA  <b>Specification</b> - 12 cm  <b>Operations</b> - Holding.  <b>Materials</b> - Metals and Wood.</p>

67	Vice leg 10cm jaw	<b>Brand</b> - KGN <b>Model</b> - NA <b>Specification</b> - 10 cm <b>Operations</b> - Holding. <b>Materials</b> - Metals.
68	Wood working vice	<b>Brand</b> - Unique <b>Model</b> - NA <b>Operations</b> - Holding. <b>Materials</b> - Wood.
69	CNC Router	<b>Brand</b> - TRILOK <b>Model</b> - TIR/04/04 <b>Specification</b> – Working area - 1200 mmx1200 mmx20 mm, Precision - +/- 0.05 mm/300 mm, Repeatability - +/-0.05 mm, Spindle speed - 24000 rpm, Drive system - Servo motor, Spindle power - 5.5kw water cooled, Collet Diameter- ER25, Maximum power consumed - 6kw, Maximum working speed - 20m/min, Maximum rapid – 25m/min, Command Format - G code uoo mmg. <b>Operations</b> – Drilling, Engraving and Cutting. <b>Materials</b> – Non-ferrous Metals, MDF, Wood, Foam, PVC, Plywood, Marble, Acrylic.
70	Vee-Block and clamps	<b>Brand:</b> AGAR Tools <b>Model:</b> 222B <b>Specification:</b> 100 x 75x 75 mm
71	Vee-Block and clamps	<b>Brand:</b> Samrat <b>Model:</b> 224A <b>Specification:</b> 6 x 4 x 4 in.
72	Portable Hand Drill (Electric) 0 to 6mm	<b>Brand</b> – Bosch <b>Model</b> – GSB 10 RE Professional <b>Specification</b> – 500W, Chuck capacity: 1.5-10mm, No load speed: 0-2600 rpm, Max. Drilling diameter in concrete/masonry: 10mm, Max. Drilling diameter in steel: 8mm, Max. Drilling dia. In wood: 20mm, Compact tool for screw driving. <b>Operations</b> – Drilling
73	CORDLESS Drill	<b>Brand</b> – Bosch <b>Model</b> – GSR 140-Li <b>Specification</b> – Battery Operated upto 8mm (14V/18V). <b>Operations</b> – Drilling
74	Hand held sander / polisher	<b>Brand</b> – Bosch <b>Model</b> – GEX 125-1 A/AE, Professional Heavy Duty <b>Specification</b> – 250W, Stroke rate: 12000 min <sup>-1</sup> /rpm, Oscillating circuit diameter: 2.5mm, Standing plate dimension: 125mm <b>Operations</b> – Sanding
75	Jig Saw Portable	<b>Brand</b> – Bosch <b>Model</b> – GST 85 PBE Professional Heavy Duty <b>Specification</b> – 580W, Stroke rate: 500-3100 min <sup>-1</sup> / rpm, Stroke length: 26mm, Max. cutting depth: 85/10/20mm <b>Operations</b> – Cutting <b>Material:</b> Wood, Metal and Aluminium
76	Hammer Drill Wired	<b>Brand</b> – Bosch <b>Model</b> – GBH 200 Professional <b>Specification</b> – Rotary Hammer, 550W, Stroke rate: 0-1550 min <sup>-1</sup> , Depth: 20mm. <b>Operations</b> – Drilling



77	Hydraulic Hand Pallet Truck	<p><b>Brand</b> – Aspirant</p> <p><b>Specification</b> – Capacity: 2500 kg, Fork Length: 1150 mm, Fork Width: 550 mm, Lowered Fork Height: 85 mm, Lifting Height: 115 mm, Raised Height: 200 mm, Individual Fork Width: 160 mm, Width between Forks: 230 mm, Steering/Load Wheel Tandem: Nylon, Chasis Colour: Yellow</p>
78	M.S. Platform Trolley	<p><b>Brand</b> – Aspirant</p> <p><b>Model</b> – ASPT-10</p> <p><b>Specification</b> – Capacity: 1000 kg, Size: 600 mm x 900 mm, Platform Thickness: 5 mm, Wheels: Nylon, 02 swivel with brakes, 02 fixed.</p>
79	Industrial Pallet (02 nos)	<p><b>Brand</b> – Aspirant</p> <p><b>Model</b> – SIP-P4-0805FP</p> <p><b>Specification</b> – 4 Way Entry Non Reversible One Piece Molded Heavy Duty Steel reinforced Plastic Pallet with 09 Legs &amp; Flat Antiskid Top Suitable for Ground Storage Application, Made up from Food Grade Polyethylene Material, L-800 mm, W-500 mm, H - 150 mm, Load Capacity in Kg: Static: 3000, Dynamic: 750, Colour: Orange</p>
80	Industrial Pallet (02 nos)	<p><b>Brand</b> – Aspirant</p> <p><b>Model</b> – SIP-P4-0805FP</p> <p><b>Specification</b> – 4 Way Entry Non Reversible One Piece Molded Heavy Duty Steel reinforced Plastic Pallet with 09 Legs &amp; Flat Antiskid Top Suitable for Ground Storage Application, Made up from Food Grade Polyethylene Material, L-1000 mm, W-800 mm, H - 150 mm, Load Capacity in Kg: Static: 4000, Dynamic: 1000, Colour: Blue</p>
81	Spray Gun	<p><b>Brand</b> – Pilot</p> <p><b>Model</b> – Type-59</p> <p><b>Specification</b> – GUN- 1 No., Cup- 1 No., Hose Coupling- 1 No.</p>
82	Wire Gauge	<p><b>Brand</b> – Kristeel</p> <p><b>Model</b> – 1505</p> <p><b>Specification</b> – GUN- 1 No., Cup- 1 No., Hose Coupling- 1 No.</p>
83	Painting Booth	<p><b>Brand</b> – TECHExpert</p> <p><b>Model</b> – Dyna Spray-WW36</p> <p><b>Specification</b> – width 4100/3600mm, depth 3250/1800mm, height 3600/2100mm, Capacity: 1x7900 cu.m/hr, Motor rating: 3.70Kw</p> <p><b>Operations</b> – Painting</p>
84	Portable Grinder	<p><b>Brand</b> – Bosch</p> <p><b>Model</b> – GWS 14-125 CI</p> <p><b>Specification</b> – 1400W, Disc diameter: 125mm, Spindle thread: M14, Speed: 11000 min<sup>-1</sup>/rpm</p> <p><b>Operations</b> – Grinding</p>

Supply & Measuring equipment		
Section	Supply & Measuring equipment	
Sr. No.	Equipment Name	Equipment detail
85	Gas Welding Torch with welding electrodes	<b>Brand</b> - ASI <b>Model</b> – 1710 <b>Specification</b> – Welding mild steel from 0.6mm to 8 mm <b>Operation</b> – Welding
86	Dial Gauge	<b>Brand</b> - Baker <b>Model</b> – DDC321 <b>Specification</b> – As per DIN 878:2006, Range: 10,0 mm, Reading: 0,01 mm, Graduation: 0-100, Type K02 <b>Operation</b> – Precision Measuring Instrument
87	Dial Gauge	<b>Brand</b> - Baker <b>Model</b> – DDC298 <b>Specification</b> – As per DIN 878:2006, Range: 10,0 mm, Reading: 0,01 mm, Graduation: 0-100, Type K02 <b>Operation</b> – Precision Measuring Instrument
88	Bore Gauge	<b>Brand</b> - Baker <b>Model</b> – 8738 <b>Specification</b> – As per JIS B 7515, Range: 1,2 mm, Bore Gauge Range: 18-50mm <b>Operation</b> – Precision Measuring Instrument
89	Height Gauge	<b>Brand</b> – Mitutoya <b>Model</b> – NA <b>Specification</b> – 45cm <b>Operations</b> – Height Measurement.
90	Vernier Calliper	<b>Brand</b> - Aerospace <b>Specification</b> – 150 x 0.02 mm, Size: 6 x 0.001 in.
91	External Micrometer	<b>Brand</b> - Baker <b>Model</b> – MMC50 <b>Specification</b> – Reading: 0.01 mm, Range: 25-50 mm
92	External Micrometer	<b>Brand</b> - Baker <b>Model</b> – MMC25 <b>Specification</b> – Reading: 0.01 mm, Range: 0-25 mm
93	Weighing Machine	<b>Brand</b> – Master <b>Specification</b> – size: 200 x 250mm, Max. capacity: 10 kg, Accuracy: 0.5 gm
94	Weighing Machine	<b>Brand</b> – Master <b>Specification</b> – Heavy duty platform scale, size: 600 x 600mm, Max. capacity: 300 kg, Accuracy: 20 gm
95	Steel Rule	<b>Brand</b> - Kristeel <b>Specification</b> – 30cm
96	Metal-L	<b>Brand</b> - Kristeel <b>Model</b> – ESG06 <b>Specification</b> – 15 cm <b>Operation</b> – Engineer’s Square (6 in.)
97	Metal-L	<b>Brand</b> - Kristeel <b>Model</b> – ESG-12 <b>Specification</b> – 30 cm <b>Operation</b> – Engineer’s Square Graduated (12 in.)
98	Distance Measurement Device	<b>Brand</b> – Leica Disto X4 Laser
99	Steel Rule	<b>Brand</b> - Kristeel <b>Specification</b> – 60cm
100	Measuring Tape	<b>Brand</b> - Freemans <b>Specification</b> – 7.5m
101	Spirit Level	<b>Brand</b> - Taparua <b>Model</b> – SL1012 <b>Specification</b> – 300 mm <b>Operation</b> – leveling

Section		Hand Tools
Sr. No.	Equipment Name	Equipment detail
102	Square adjustable	<b>Brand:</b> Kundan <b>Specification:</b> 15 cm blade
103	Angle plate	<b>Brand:</b> AGAR Tools <b>Model:</b> 302 <b>Specification:</b> 100 x 125 x112mm
104	Taps and dies	<b>Brand</b> – Humma <b>Specification</b> – 6mm-12mm <b>Operation</b> - Threading
105	File	<b>Brand</b> - Taparia <b>Model</b> - 132, 134 <b>Specification</b> – warding 15 cm smooth, knife edge 15 cm smooth, cut saw 15 cm smooth, feather edge 15 cm smooth, triangular 15 cm smooth, round 20 cm second cut, square 15 cm second cut, square 25 cm second cut, triangular 20 cm second cut, flat 30 cm second cut, flat 20 cm bastard, flat 30 cm bastard, half round 25 cm second cut, half round 25 cm bastard, round 30 cm bastard, hand 15 cm second cut, Card file
106	File Swiss type	<b>Brand</b> - JK Super Drive Needle Files <b>Model</b> - Steel File B <b>Specification</b> - Swiss type needle set of 12, 16 C/m, Shapte Cut Assorted 0/2, Size: 160 mm <b>Operation</b> - Filing
107	Oil Stone	<b>Brand</b> - Prima <b>Specification</b> - 15 cm x 5 cm x 2.5 cm <b>Operation</b> - Lubricating
108	Plier	<b>Brand</b> - Taparia <b>Model</b> - 1621-6 <b>Specification</b> - 165mm, plier with joint cutter
109	Blow Lamp	<b>Brand</b> - Primas <b>Specification</b> - 500ml
110	Spanner	<b>Brand</b> - Stanley <b>Model</b> - 70-380E <b>Specification</b> - D.E. 6 -26 mm, Set of 12 pcs Double Open End Spanner
111	Straight Edge	<b>Brand</b> - Samrat <b>Specification</b> – 18 <b>Operations</b> – Straightness Measurement.
112	Surface Plate	<b>Brand</b> - Luthra Surface Plate <b>Model</b> - NA <b>Specification</b> - 45cm x 45cm Granite. <b>Operations</b> - Levelling. <b>Materials</b> - Metals.
113	Box spanner	<b>Brand</b> - Taparia <b>Model</b> - S22MXL-2029 <b>Specification</b> - set of 11 sockets plus 4 accessories
114	Magnifying Glass	<b>Brand</b> - Tejco <b>Specification</b> - 7 cm
115	Toolmaker Clamp	<b>Brand</b> - Samrat <b>Model:</b> - <b>Specification</b> -50 mm

116	Toolmaker Clamp	<b>Brand</b> – Bharat <b>Model:</b> 412 <b>Specification</b> –Size 3 in.
117	Clamp “C” 5 cm	<b>Brand</b> – Taparia <b>Model:</b> 1259-2 <b>Specification</b> –5cm
118	Clamp “C” 10 cm	<b>Brand</b> – Taparia <b>Model:</b> 1261-4 <b>Specification</b> –10cm
119	Scraper flat	<b>Brand</b> – Bharat Tools <b>Specification</b> –Flat, 15 cm <b>Operations</b> – Scrapping
120	Scraper triangular	<b>Brand</b> – Bharat Tools <b>Specification</b> –Triangular, 15 cm <b>Operations</b> – Scrapping
121	Scraper half round	<b>Brand</b> – Bharat Tools <b>Specification</b> –Half round, 15 cm <b>Operations</b> – Scrapping
122	Chisel cold 19 mm flat	<b>Brand</b> – Taparia <b>Model</b> - 101 <b>Specification</b> –19mm flat <b>Operations</b> – Chisel
123	Tennon Saw	<b>Brand</b> – Sangam <b>Specification</b> - 30cm
124	Hand hammer	<b>Brand</b> – Stanley <b>Model</b> – 54-111 <b>Specification</b> – 340g/12oz, Hickory Handle <b>Operations</b> – Hammering
125	Hacksaw frame fixed 30 cm.	<b>Brand</b> – Netco Tools <b>Model</b> – RHF-50 <b>Specification</b> – Plastic Handle, 30cm <b>Operations</b> – Cutting
126	Mallet	<b>Brand</b> – Stanley <b>Model</b> – STH57528-8 <b>Specification</b> – 680g/24oz. <b>Operations</b> – Hammering
127	Straight Grinder	<b>Brand</b> – Bosch <b>Model</b> – GGS 28 LCE <b>Specification</b> – 650W, Max. Grinding Tool Diameter: 50mm, Spindle Collar Diameter: 43 mm <b>Operations</b> – Grinder
128	Metal Cut-off Saw	<b>Brand</b> – Bosch <b>Model</b> – GCO-220 <b>Specification</b> – 2200W
129	Clamping Kit	<b>Made in Taiwan</b> <b>Model</b> – CK 16
130	Spanner adjustable 15 cm	<b>Brand</b> - Taparia <b>Model</b> - 1170N-6 <b>Specification</b> - 15 cm