

**List of Machine /Tools & Equipments Available with Mechanical Workshop of  
PPDC, Meerut**

**(A) Machine and Equipment:**

<b>S. No.</b>	<b>Machine and Equipment</b>	<b>Per hr. Rate (Rs.)</b>
1.	<p>CNC Lathe Machine, Make: Batliboi, Model: Sprint 25 TC:</p> <ul style="list-style-type: none"> <li>- Distance between center – 750 mm</li> <li>- Clamping Chuck (hydraulic) diameter- 250 mm</li> <li>- Cutting Dia. – 460 mm</li> <li>- Cutting length– 700 mm</li> <li>- Spindle speed: 35 – 3000 rpm</li> <li>- Number of tool station –12 nos.</li> <li>- Bar capacity – 65 mm</li> </ul>	428
2.	<p>Vertical CNC Milling M/C (4<sup>th</sup> axis along with X axis), Make-ACE:</p> <p>Machine Specifications:</p> <ul style="list-style-type: none"> <li>- Travel :X Axis – 800mm, Y Axis – 510mm, Z Axis – 500mm.</li> <li>- Cutting Dia. – 80/155 mm.</li> <li>- Number of tool station – 20</li> </ul> <p>4<sup>th</sup> Axis Specifications:</p> <ul style="list-style-type: none"> <li>- Rotary Table diameter dia 200 mm (Ucam)</li> <li>- Cutting length – 250 mm</li> <li>- Table center Height (mm)-140</li> <li>- Center bore diameter (mm)- <math>\varnothing</math> 60</li> <li>- Table rotation Speed ( RPM) (MOTOR 3000 RPM)</li> <li>- Indexing Accuracy (Arc Sec.) - <math>\pm</math> 15</li> <li>- Dia. 200mm Manual Operated self centering chuck 3 jaw chuck ( dia. 50mm bore size) on 4<sup>th</sup> axis UCAM-200 rotary table.</li> </ul>	470
3.	<p>CNC Wire Cut EDM, Make: Electronica, Model: Maxicut- E:</p> <ul style="list-style-type: none"> <li>- Working Area: X Axis – 250mm, Y Axis – 400mm, Z Axis – 200mm.</li> <li>- Tapper- 4 degree per side.</li> <li>- Wire Guide – dia. 0.25 mm</li> </ul>	220

4.	Electric Discharge Machine (Electronica EMS 5535 P.S Series 2000) 50AMP. With Electra Pride 3Axis D.R.O. Working Area: X Axis – 300mm, Y Axis – 150mm, Z Axis – 300mm (including length of electrode).	100
5.	Pillar Type Drilling M/c (Modal No. PDWS 20) with setting arrangements of different types of speed from 60 to 500 RPM.	43.50
6.	Horizontal Surface Grinding Machine - Praga Modal No. 452, Wheel dia. 150 mm reciprocating table with adjustable traverse stops. Magnetic chuck 600 mm X 200 mm.	105
7.	Horizontal Surface Grinding Machine: Wheel dia. 200 mm reciprocating table with adjustable traverse stop. Electrical Magnetic chuck (800 mm X300mm.)	105
8.	Centre Lathe Machines: - Distance between Centre: 1000mm. - Height of Centre: 250mm	76.50
9.	Shaping Machine: - Bed size: 24" X 20"	76.50
10.	Clicking Die Manufacturing Equipment	85.50

#### List of Software:

S. N.	Name of Software	Qty.
1.	Auto CAD 2010	25 License
2.	Pro/Engineer wildfire 3.0	50 License
3.	Creo	5 License
4.	Catia V5 R18 ED2, Education version	5 License
5.	Unigraphics NX6 CAD/CAM 3 Axis Educational version	5 License
6.	Solid works 2016	5 License
7.	Solid CAM 2016	5 License
8.	Simulation Software	5 License
9.	DELCAM: - Power Mill - Power Shape	5 Licensee each