

Rajasthan Skill and Livelihoods Development corporation

(A Government of Rajasthan enterprise)

List of Tools, Equipment and Material

Job Role Name	CNC Operator Turning	Sector Name	Capital_Goods			QP Code -	CSC/Q0115
Sr. No.	Equipment Name	Quantity proposed for a batch of 30 trainees	Unit Type	Is this a mandatory Equipment (Yes/No)	Dimension/ Specification/ Description of the Equipment/ ANY OTHER REMARK	No. of Tools Available	Remark
1	Vice Mounted Tables 3Ft X 3Ft X 2.5Ft(H)	1	pieces	Yes	Standard		
2	Micrometer – external, 0-25 mm, 25 -50 mm, 50 – 75 mm.	3	pieces	Yes	Standard		
3	Lever dial for work offset setting	3	pieces	Yes	Standard		
4	Tool storage drawer	3	pieces	Yes	Standard		
5	Industry Helmet	30	pieces	Yes	Standard		
6	Manual Lifter	1	pieces	No	Standard		
7	Combination Plier	5	pieces	Yes	Standard		
8	Industry hand gloves	30	pieces	Yes	Standard		
9	Bore gauge 18 – 35 mm	3	pieces	Yes	Standard		
10	Soft jaws	3	pieces	Yes	Standard		
11	LCD projector, 1920 x 1080 resolution, 3000 lumens. Screen.	1	pieces	No	Standard		
12	Scrap Box	2	boxes	Yes	Standard		
13	Generator Set	1	pieces	Yes	Standard		
14	Laser printer with ethernet port	1	pieces	No	Standard		
15	Apron	30	pieces	Yes	Standard		
16	Hammer	4	pieces	Yes	Standard		
17	Vernier Caliper	6	pieces	Yes	Standard		
18	Computer systems in LAN	15	pieces	No	Standard		
19	Simulator	1	pieces	No	Standard		
20	Vernier calipers 300 mm.	3	pieces	Yes	Standard		
21	Gauges	10	pieces	Yes	Standard		
22	Number Punch	2	sets	Yes	Standard		
23	Industrial grade CNC Turning Center & cutting tools	2	pieces	Yes	"Detailed specification for 2 axis CNC Lathe / Turning centre and cutting tools ; With one of the CNC Control System (Fanuc / Siemens /Hiddenhen / Mitsubishi) Minimum requirements 1. Swing over bed =>350MM ; 2.Chuck dia=.210MM, 3. Max. Turning dia=250-290MM, 4.Max. Turning Length=300-320MM, 5.Spindle speed=120-2250rpm, 6.Cross travel X-axis=150-180mm,7. Longitunal travel Z-axis=250-350mm, 8.No. of stations=> 6 , 9.Boring bar dia=20-80mm. 10.CNC features like Graphic Simulation with dry run facility without curtting the metal."		
24	Safety Glasses	30	pieces	Yes	Standard		
25	Integrated multimedia skill development software for CNC machining	15	Licenses in Nos	No	Standard		
26	Safety shoes with steel toe	30	pieces	Yes	Standard		
27	Centre Punch	5	pieces	Yes	Standard		
28	Thread plug gauge M8 x 1.25, M10 x 1.5	3	pieces	Yes	Standard		
29	First aid kit	1	pieces	Yes	Standard		
30	Radius gauge	3	pieces	Yes	Standard		
31	Ring gauge for setting bore dial gauge – 30 dia.	3	pieces	Yes	Standard		
32	Thread pitch gauge	3	pieces	Yes	Standard		
33	Feeler gauge for work offset setting	3	pieces	Yes	Standard		
34	Inside caliper for measuring ID grooves	3	pieces	Yes	Standard		
35	Plug gauge 10, 16 dia.	3	pieces	Yes	Standard		
36	Height Gauge	3	pieces	Yes	Standard		
37	Surface Plate	2	pieces	Yes	Standard		