

Rajasthan Skill and Livelihoods Development corporation

(A Government of Rajasthan enterprise)

ELSTP - List of Tools, Equipment and Material

Job Role Name	Testing & Quality Control for Plastics Materials & Product - Technician	Sector Name	Chemical_and_Petrochemicals			QP Code -	CPC/Q8103
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	Steel rule 15 cm with metric Graduations	3	units	Yes	Standard		
2	Measure Tape	3	units	Yes	Standard		
3	Outside, inside spring calliper	3	units	Yes	Standard		
4	Spring divider	3	units	Yes	Standard		
5	Try square	3	units	Yes	Standard		
6	Combination plier	3	units	Yes	Standard		
7	Cutting plier	3	units	Yes	Standard		
8	Screwdriver 15 cm	3	units	Yes	Standard		
9	Screwdriver set	3	units	Yes	Standard		
10	D/E spanner set inch & mm	3	units	Yes	Standard		
11	Allen key set inch & mm	3	units	Yes	Standard		
12	Pipe wrench	3	units	Yes	Standard		
13	Adjustable spanner	3	units	Yes	Standard		
14	Hand Hacksaw frame adjustable	3	units	Yes	Standard		
15	Hacksaw Blades	3	units	Yes	Standard		
16	Bench vice with working table	3	units	Yes	Standard		
17	Portable Hand drill 0-6mm with drill bits	3	units	Yes	Standard		
18	Centre punch	3	units	Yes	Standard		
19	Chisel	3	units	Yes	Standard		
20	Flat file second cut & smooth	3	units	Yes	Standard		

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21	Half round file second cut & smooth	3	units	Yes	Standard		
22	Needle file rough & smooth	3	units	Yes	Standard		
23	Ball peen hammers	3	units	Yes	Standard		
24	Plastic hammer (Soft)	3	units	Yes	Standard		
25	Mould Clamping Block	3	units	Yes	Standard		
26	Micrometre 0-25 mm	3	units	Yes	Standard		
27	Vernier calliper	3	units	Yes	Standard		
28	Thickness gauge	3	units	Yes	Standard		
29	Electric line Tester	3	units	Yes	Standard		
30	Multi meter	3	units	Yes	Standard		
31	Test lamp	3	units	Yes	Standard		
32	Electric Extension Board with 15A sockets & switches	3	units	Yes	Standard		
33	Electric Switches, fuses, holders, lamps, teakwood boards, plug sockets, solder, flux, wires and cables and other consumables.	3	units	Yes	Standard		
34	Copper rods and strips.	3	units	Yes	Standard		
List of Machinery & Equipment							
1	Injection moulding machine	1	units	Yes	Standard		
2	Compression moulding machine	1	units	Yes	Standard		
3	Melting Point Apparatus	1	units	Yes	Standard		
4	MFI Tester (MFI Indexer)	1	units	Yes	Standard		
5	Muffle Furnace	1	units	Yes	Standard		
6	Chemical Testing Apparatus						

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	a. PH Meter	1	units	Yes	Standard		
	b. Centrifuse	1	units	Yes	Standard		
	c. Chemicals & Glass works like burate, pippet, Pnecometer etc.	1	units	Yes	Standard		
7	Density Gradient column	1	units	Yes	Standard		
8	Universal Testing Machine	1	units	Yes	Standard		
9	HDT/VSP tester	1	units	Yes	Standard		
10	Machine for PVC Pipes Testing						
	a. Brust / Pressure Testing Machine	1	units	Yes	Standard		
	b. Weight Testing machine	1	units	Yes	Standard		
	c. Fitter Weight Testing Machine	1	units	Yes	Standard		
	d. Reversion Oil Bath	1	units	Yes	Standard		
	e. Vacuum Oven	1	units	Yes	Standard		
	f. Deep Freezer	1	units	Yes	Standard		
	g. Impact Tester	1	units	Yes	Standard		
	h. Opacity tester	1	units	Yes	Standard		
11	For HDPE						
	a. Carbon Black Content	1	units	Yes	Standard		
	b. Over Head Projector for Carbon Black Dispersion (CBD)	1	units	Yes	Standard		
12	Testing Machines for PET Bottles	1	units	Yes	Standard		
13	UV Weatherometer	1	units	Yes	Standard		

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14	Dehumidifier	1	units	Yes	Standard		
15	Specimen mould	1	units	Yes	Standard		
16	Hot air oven	2	units	Yes	Standard		
17	Humidity chamber	1	units	Yes	Standard		
18	Weighing balance	2	units	Yes	Standard		
19	Two roll mill	1	units	Yes	Standard		
20	ball ended micrometer	3	units	Yes	Standard		
21	Air compressor	1	units	Yes	Standard		
22	Hot press	1	units	Yes	Standard		
23	vibration chamber	1	units	Yes	Standard		
24	Rockwell hardness	1	units	Yes	Standard		
25	Durometer	3	units	Yes	Standard		
26	Barcol hardness	1	units	Yes	Standard		
27	Abrasion tester	1	units	Yes	Standard		
28	Co-Efficient of friction	1	units	Yes	Standard		
29	Tear tester	1	units	Yes	Standard		
30	Fatigue resistance tester	1	units	Yes	Standard		
31	creep & stress relaxation tester	1	units	Yes	Standard		
32	Thermal conductivity tester	1	units	Yes	Standard		
33	Co-efficient of linear thermal expansion	1	units	Yes	Standard		
34	brittleness tester	1	units	Yes	Standard		
35	Flammability tester	1	units	Yes	Standard		
36	Limiting oxygen index tester	1	units	Yes	Standard		