

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA**Purchase of Equipments for Workshop at PIT Rajpura**

Sr. No.	Description of Item	Qty.	Unit
1	AC to AC Air cooled Arc welding M/C with std. accessories, (Welding cables, earth cable, earth clamp, soldering type terminal end, electrode holder.) Supply voltage 415 V, 2phase 50Hz rating at 60%, duty cycle 32.8, open circuit voltage 80, operating arc voltage 23-40, welding current range 80-500AMP, max. intermittent welding current @ 35% , duty cycle 500.max, continues welding current @ 60% duty cycle 375	1	No.
2	AC to DC Arc welding M/C Air cooled 3 Phase with standard Accessories 3Phase 415v Input voltage Range 350-450v 50 Hz, max. Primary current A-25, current 100%, duty A-12, max. primary power 17.5kva Secondary Open circuit voltage 0.75 Arc voltage range 20-34 Welding current range amps 5 to 350 Max. Electrode Dia 5mm	1	No.
3	Gas welding set complete comprising: Oxygen cylinder 01, DA gas cylinder 01 Oxygen & Acetylene regulator ISI mark 01 each, Gas welding torch 01, Cutting torch 01, Hose pipe 10 mtr each	1	Set
4	Anvil with stand 50kg	3	Nos.
5	Portable Electric Hand Drill M/C 6 mm with complete kit	3	Nos.
6	Marking Table 400X630mm with stand	1	No.
7	Surface plate 18"x18" (Graphite) with stand	2	Nos.
8	Induction Heating Furnance: Suitable for heating steel rod 20mm, 16mm dia. & length up to 200mm, with suitable fixtures. Power rating 10kw input supply 415v 50Hz Output Voltage 800v at 10kHz, Water cooled with complete assembly	1	No.
9	Open Hearth Furnace: Complete with Blower & chimney	1	No.
10	Anvil with stand 100kg.	3	Nos.
11	Swage Block 50kg wt	2	Nos.
12	Leg Vice 4" Heavy Duty	2	Nos.
13	Electric planner : 400w, Planning width 82mm	1	No.
14	Oil fired tilting furnace with blower	1	No.
15	Chain pulley block 2ton capacity	1	No.
16	Electric blower	1	No.
17	Pit furnace 18"x 18"	1	No.
18	Muffle furnace – heating chamber 300 x 300 x 450 mm for 1050°C Quenching tank-600 x 600 x 600 mm	1	No.