

ANNEXURE - I

WELDER

LIST OF TOOLS AND EQUIPMENT (For batch of 20 Candidates)

A. TRAINEES TOOL KIT (For each additional unit trainees tool kit Sl. 1-15 is required additionally)

Sl. No.	Name of the Tool & Equipments	Specification	Quantity	Approximate cost	Remarks
1.	Welding helmet fiber		20 Nos.	5000.00	Branded
2.	Welding hand shield fiber		20 Nos.	5000.00	Branded
3.	Chipping hammer	With metal handle 250 grams	20 Nos.	4800.00	Branded
4.	Chisel cold	Flat 19 mm × 150 mm	20 Nos.	3000.00	Branded
5.	Centre punch	9 mm × 127 mm	20 Nos.	1200.00	Branded
6.	Dividers	200 mm	20 Nos.	1400.00	Branded
7.	Stainless steel rule	300 mm	20 Nos.	800.00	Branded
8.	Scriber	150 mm double point	20 Nos.	600.00	Branded
9.	Flat tong	350 mm long	20 Nos.	3000.00	Branded
10.	Hacksaw frame	Fixed 350 mm	20 Nos.	2800.00	Branded
11.	File half round	Basted 300 mm	20 Nos.	14000.00	Branded
12.	File flat	350 mm basted	20 Nos.	14000.00	Branded
13.	Hammer ball pane	1 kg with handle	20 Nos.	6000.00	Branded
14.	Tip cleaner		20 Nos.	400.00	Branded
15.	Try square	6"	20 Nos.	1000.00	Branded

B. INSTRUMENTS AND GENERAL SHOP OUTFIT – For 2(1+1) units no additional items are required

TOOLS & EQUIPMENT

16.	Spindle key		4 Nos	1000.00	Branded
17.	Screw Driver	300 mm blade and 250 mm blade	1 each	300.00	Branded
18.	Number punch	6 mm	2 set	1000.00	Branded
19.	Letter punch	6 mm	2 set	3000.00	Branded
20.	Magnifying glass	100 mm dia.	2 Nos.	1000.00	Branded
21.	Universal Weld measuring gauge		2 Nos.	14000.00	Branded
22.	Earth clamp	600 Amp.	6 Nos.	900.00	Branded
23.	Spanner D.E.	6 mm to 32 mm	2 Set	1000.00	Branded
24.	C - Clamp	10 cm and 15 cm	2 each	2000.00	Branded
25.	Hammer sledge	Double face 4 kg.	1 No.	1200.00	Branded
26.	S. S tape	5 meters flexible in case	1 No.	90.00	Branded
27.	Electrode holder	600 amps	6 Nos.	1800.00	Branded
28.	H.P. Welding torch	With 5 nozzles	2 set	7000.00	Branded
29.	Oxygen gas pressure	Regulator double stage	2 Nos	8000.00	Branded
30.	Acetylene gas pressure	Regulator double stage	2Nos	8000.00	Branded
31.	CO ₂ gas pressure regulator	With flow meter	2 set	6400.00	Branded

32.	Argon gas pressure regulator	With flow meter	2 set	6400.00	Branded
33.	Metal rack	182 cm × 152 × 45 cm	1 No.	7200.00	Branded
34.	First aid box		1 No.	1200.00	Branded
35.	steel locker	With 8 pigeon box	2 Nos	50000.00	Branded
36.	Steel Almirah / cupboard		2 Nos	16000.00	Branded
37.	Black board and eraser with stand		1 No.	7000.00	Branded
38.	Flash black arrester (torch mounted)		4 pair	2600.00	Branded
39.	Flash black arrester (cylinder mounted)		4pair	2600.00	Branded
GENERAL SHOP OUTFIT					
40.	Welding Transformer	With all accessories (400A, OCV 60-100 V, 60% duty cycle)	1 set	25000.00	Branded
41.	Welding Transformer (or) Inverter based welding machine	With all accessories (300A, OCV 60-100 V, 60% duty cycle)	1 set	40000.00	Branded
42.	D.C Arc welding rectifiers set with all accessories	(400A, OCV 60-100 V, 60% duty cycle)	1 set	40000.00	Branded
43.	GMAW welding machine	400 A capacity with air cooled torch, Regulator, Pre-heater, gas hose and standard accessories	1 set	500000.00	Branded
44.	AC/DC GTAW welding machine	With water cooled torch 300 A, Argon regulator, gas hose, water circulating system and standard accessories	1 set	500000.00	Branded
45.	Air Plasma cutting equipment	With all accessories, capacity to cut 12 mm clear cut	01 set	650000.00	Branded
46.	Air compressor suitable for above Air Plasma system		01 No.	32000.00	Branded
47.	Auto darkening Welding helmet		2 nos	10000.00	Branded
48.	Spot welding machine	15 KVA with all accessories	01 set	60000.00	Branded
49.	Portable gas cutting machine	Capable of cutting straight & circular with all accessories	01 set	50000.00	Branded
50.	Pedestal grinder fitted with coarse and medium grain size	Dia. 300 mm	1 No.	20000.00	Branded

	grinding wheel				
51.	Bench grinder fitted with grain size silicon carbide green grinding wheel	Dia 150 mm	1 No.	8000.00	Branded
52.	AG 4 Grinder		2 Nos.	7000.00	Branded
53.	Suitable gas welding table	With fire bricks	2 Nos.	56000.00	Branded
54.	Suitable Arc welding table	With positioner	6 Nos.	150000.00	Branded
55.	Trolley for cylinder (H.P. unit)		2 Nos.	6000.00	Branded
56.	Hand shearing machine capacity	Cut 6 mm sheets and flats	1 No.	12000.00	Branded
57.	Power saw machine	14"	1 No.	80000.00	Branded
58.	Portable drilling machine	Cap. 6 mm	1 No.	4000.00	Branded
59.	Oven electrode drying	0 to 350°C, 10 kg capacity	1 No.	6000.00	Branded
60.	Work bench	340×120×75 cm with 4 bench vices of 150 mm jaw opening	4 set	160000.00	Branded
61.	Oxy acetylene gas cutting blow pipe		2 set	9000.00	Branded
62.	Oxygen, Acetylene cylinder		2 each	48000.00	Branded
63.	CO ₂ cylinder		2 nos.	30000.00	Branded
64.	Argon gas cylinder		2 nos.	30000.00	Branded
65.	Anvil 12 sq. inches working area with stand		1 no	18000.00	Branded
66.	Swage block		1 no	9000.00	Branded
67.	Die penetrate testing kit		1 set	1200.00	Branded
68.	Magnetic particle testing kit		1 set	45000.00	Branded
69.	Fire extinguisher (foam type and CO ₂ type)		1 No.	9000.00	Branded
70.	Fire bucket with stand		4 nos.	6000.00	Branded
71.	Portable abrasive cot-off machine		1 no.	12000.00	Branded
72.	Suitable gas cutting table		1 no.	18000.00	Branded
73.	Welding Simulator for SMAW/GTAW/GMAW		1 each (optional)	2400000.00	Branded
C CONSUMABLE					
74.	Leather hand gloves	14"	20 pair	3000.00	Branded
75.	Cotton hand gloves	8 "	20 pair	1000.00	Branded
76.	Leather apron		20 pair	5000.00	Branded
77.	S.S Wire brush	5 rows and 3 rows	20 nos. each	2500.00	Branded

78.	Leather hand sleeves	16"	20 pair	3600.00	Branded
79.	Safety boot for welders		20 pair	10000.00	Branded
80.	Leg guard leather		20 pair	3600.00	Branded
81.	Rubber hose clips	½ "	20 nos	500.00	Branded
82.	Rubber hose oxygen	8 mm dia. × 10 meter long as per BIS	2 nos.	4000.00	Branded
83.	Rubber hose acetylene	8 mm dia. × 10 meter long as per BIS	2 nos.	4000.00	Branded
84.	Arc welding cable multi cored copper	400/600 amp. As per BIS	45 mts each	12000.00	Branded
85.	Arc welding single colored glass	108 mm × 82 mm × 3 mm DIN 11A & 12A	34 nos.	1700.00	Branded
86.	Arc welding plain glass	108 mm × 82 mm × 3 mm	68 nos	680.00	Branded
87.	Gas welding goggle	With color glass 3 or 4A DIN	34 nos.	2720.00	Branded
88.	Safety goggle plain		34 nos.	2720.00	Branded
89.	Spark lighter		6 nos.	540.00	Branded
90.	AG 4 Grinding wheels		10 nos	500.00	Branded
D CLASS ROOM FURNITURE FOR TRADE THEORY					
91.	Instructor's table and chair (steel)		1 set	12000.00	Branded
92.	Student chair with writing pads		20 Nos.	24000.00	Branded
93.	White board size 1200 mm × 900 mm		1 No.	6000.00	Branded
94.	Instructor laptop with latest (vista & above) configuration pre- loaded with operating system and MS office package		1 No.	80000.00	Branded
95.	LCD Projector with screen		1 No.	60000.00	Branded
96.	Welding process, inspection & Codes DVD/CDs		1 set each (optional)	30000.00	Branded
Total				5533950.00	

Instructor

G. Instructor

Principal