

LIST OF LABS / WORKSHOP

- Brazing workshop
- Gas welding and cutting workshop
- Arc Welding workshop
- Argon Welding Workshop
- Plasma welding and cutting workshop

Note: Single hall with separate workstation for different types of welding processes can be used as per space availability.

LIST OF TOOLS / MACHINERY / EQUIPMENT ETC

(For a Class of **25** Students)

Name of Trade	Welding Methods & Plasma Cutting
Duration of Course	3 Months

S. No	Names of Equipment / Tools / Items	Quantity
1.	Steel rule 30 cm	15 Nos.
2.	Steel Tape 5 meter	10 Nos.
3.	Sprit level 12 inch/30 Cm	05 Nos.
4.	Work benches	10 Nos.
5.	Bench vice 5"	05 Nos.
6.	Chipping Hammer 250 grams and 500 grams	05 Nos Each
7.	Jamboor	10 Nos.
8.	Outside Caliper 6"/15 Cm	10 Nos.
9.	Tri square 8"	05 Nos.
10.	Combination Pliers 8"	10 Nos.
11.	Screw driver straight 8" & 12"	03 Nos. each
12.	Screw driver Philips 8" & 12"	03 Nos. each
13.	Spanner adjustable 8"	03 Nos
14.	Allen key set 3mm to 12mm	03 No.
15.	Chisel flat & crosscut	05 nos. each
16.	Centre punch	05 Nos.
17.	C-Clamp	05 Nos.

18.	Line scribe	10 Nos.
19.	Angle plate	01 No.
20.	Electric Hand drill machine	01 No.
21.	Hand disc grinder 7"	01 Nos.
22.	Hand disc grinder 4"	01 Nos.
Gas Welding Equipment and Accessories		
23.	Gas welding working stations	1 Nos.
24.	Cylinder trolley or Manifold system (one)	1 Nos.
25.	Cylinder for Oxygen gas with key and regulator	1 N0s.
26.	Cylinder for Acetylene gas with key and regulator	1 Nos.
27.	Flashback arrester acetylene	1 Nos.
28.	Flashback arrester oxygen	1 Nos.
29.	Hose pipe (oxygen and acetylene)	4 meter each
30.	Oxy-acetylene welding and cutting set (Injector type) complete with tip Cleaner needles.	1 Nos.
31.	Steel table with fire bricks top	1 Nos.
32.	Spark lighter	1 Nos.
33.	Welding goggles	25 Nos.
34.	Gloves	25 Nos
35.	Burner pliers or Tong	1 Nos.
36.	Stool	1 Nos.
37.	Table for gas cutting	01 N0.
Arc Welding Equipment and Accessories		
38.	Welding face shield complete	25 Nos.
39.	Welding helmet complete	05 Nos.
40.	Steel wire brush	10 Nos.

41.	Apron	10 Nos.
42.	Welding Table	05 Nos.
43.	Stool	10 Nos.
Argon Welding Equipment and Accessories		
44.	Regulator Argon Cylinder	03 Nos
4 in 1 Welding Station		
45.	4 in 1 Multifunctional welding station (200 watt to 300 watt) (MIG, Argon, Arc, Plasma cutting and welding)	03

LIST OF CONSUMABLES
(For a class of 25 students)

Sr.No	ITEM	QUANTITY
1	Welding electrodes/ wire/ rods / filler metal	30 boxes
2	Oxygen gas in cylinder	01
3	Acetylene gas cylinder	01
4	Argon gas cylinder	03