



JOB ROLE OVERVIEW

Plasma Cutter - Manual (ISC/Q0910)

Role Description

Perform manual cutting operations using plasma arc cutting process. The person would be able to independently carry out plasma arc cutting operations for as per welding procedure specification (WPS).

Version

1.0

NSQF Level

4

Minimum Educational Qualifications

10th Standard Pass preferably

Maximum Educational Qualifications

ITI Pass

Training

(Suggested but not mandatory)

- Process Equipment & advantage
- Mechanism of plasma jet formation and the design of plasma cutting torch
- Importance of Shielding & Plasma gas
- Plasma Arc cutting technique
- Faulty technique and their effects

Minimum Job Entry Age

18 years

Experience

In lieu of minimum qualification the incumbent should have 4-5 years of relevant work experience

Applicable National Occupational Standards (NOS)

1. **ISC/N0909:** Manually cut metal materials using plasma arc
2. **ISC/N0910:** Manually cut metal and metal alloys using oxy-fuel gases
3. **ISC/N0008:** Use basic health and safety practices at the work place
4. **ISC/N0009:** Work effectively with others

Assessment Guidelines

1. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria.
5. To pass the Qualification Pack, every trainee should score a minimum of 60% in every NOS.
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.



PLACEMENT OPPORTUNITIES

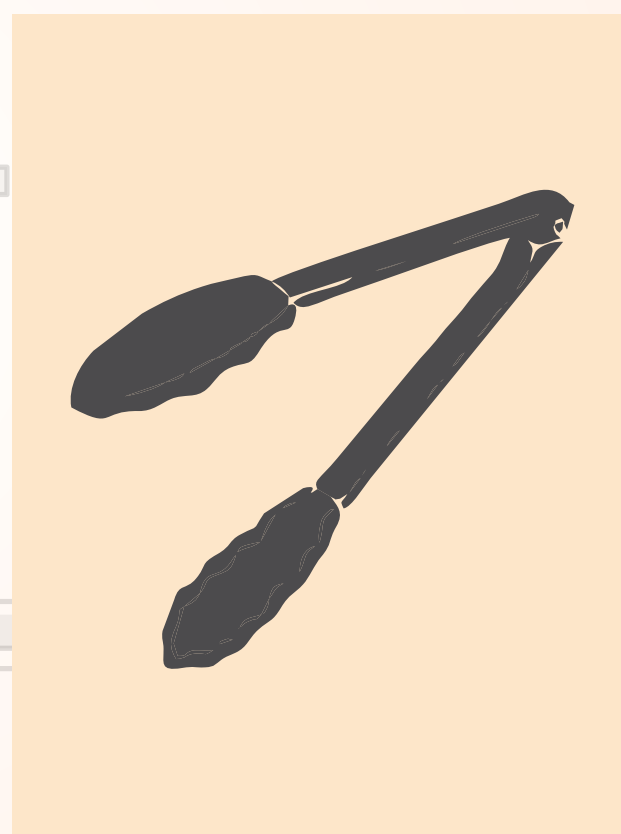
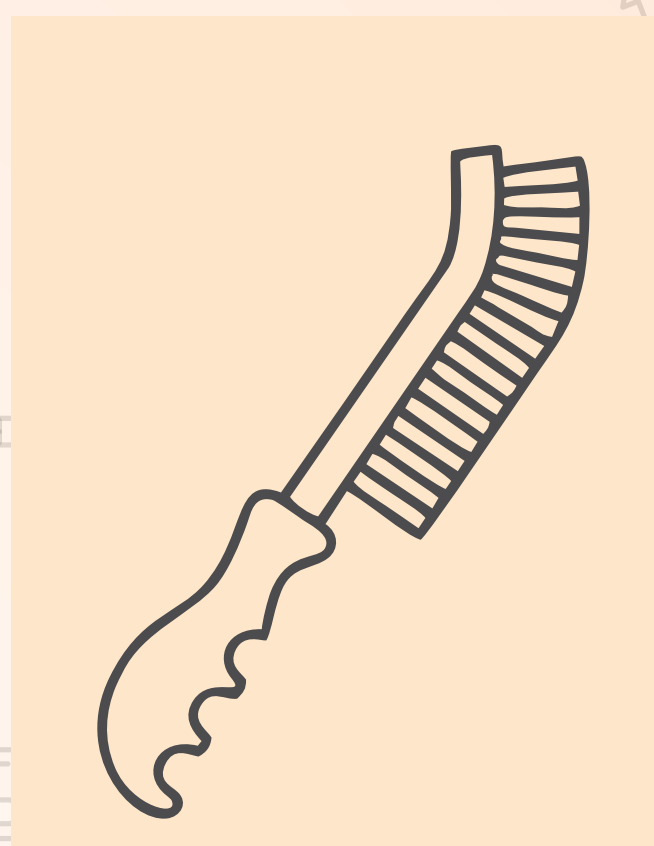




EQUIPMENT LIST

Plasma Cutter (ISC/Q0910)

1.	Gloves pair leather	x10
2.	Apron leather	x10
3.	Screen welding helmet type	x10
4.	Goggles pair welder	x10
5.	Hammer scaling 0.25 kg. with handle	x2
6.	Centre punch 9mm x 127mm	x5
7.	Dividers 20 cm	x5
8.	Wire brush 15 cm x 3.7 mm	x10
9.	Chipping screen hand	x5
10.	Safety goggles	x10
11.	Square blade 15 cm	x10
12.	Scribber 15 cm	x5
13.	Tongs holding	x5
14.	Brass rule 30 cm or nickel chrome steel rule 30 cm	x5
15.	Hammer ball pin 1 kg. With handle	x5
16.	Chisel cold cross 9mm	x5
17.	Ag 7 grinder & ag 4	x2
18.	Air plasma cutting equipment with all accessories, capacity to cut 25 mm clear cut	x2



CAREER MAP FOR MECHANICAL MAINTENANCE DEPARTMENT

Mechanical Maintenance Department in Iron & Steel Industry

- Bearing Maintenance
- Gas Tungsten Arc Welding
- Plasma Cutter
- Iron & Steel - Machinist
- Fitter - Leveling alignment balancing
- Rigger - Rigging of Heavy Material

C.E.O.

Executive Director (Works)

General Manager (Mech) / HOD

Asst. General Manager /
Dy. General Manager

Senior Manager

Dy. Manager/Manager

Assistant Manager

Junior Executive

Shift-in-charge

Supervisor/Chargeman

Senior Technician

Junior Technician

Trainee

