सत्यमेव जयते
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP
GOVERNMENT OF INDIA

Skill India
कौशल भारत - कुशल भारत

PMKVY
PRADHAN MANTRI KAUSHAL VIKAS YOJANA

JOB ROLE OVERVIEW

Fitter Electrical Assembly (ISC/Q1001)

Role Description	Fitter is responsible for identifying the operations required to assemble various components of the machine and electrical panel by studying their engineering drawings, fitting different components of the machine to perform assigned task and testing the assembled machine
Version	1.0
NSQF Level	3
Minimum Educational Qualifications	12th standard (Science) / ITI Pass preferably
Maximum Educational Qualifications	Diploma
Training (Suggested but not mandatory)	•Theoretical concepts on machine handling and electrical panels •Trainings on operation of machinery and electrical panels
Minimum Job Entry Age	18 years
Experience	In lieu of minimum qualification the incumbent should have minimum 24 months of relevant experience in the similar field/function under experienced supervisor as helper

Applicable National Occupational Standards (NOS)

1. **ISC/N1001:** Prepare for assembling operation
2. **ISC/N1002:** Assemble the electrical components
3. **ISC/N1003:** Perform post - assembly activities
4. **ISC/N1004:** Carry out housekeeping
5. **ISC/N1005:** Carry out reporting and documentation
6. **ISC/N1006:** Carry out quality checks
7. **ISC/N1007:** Carry out problem identification and escalation
8. **ISC/N0008:** Use basic health and safety practices at the workplace
9. **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 evaulations 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.

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PLACEMENT OPPORTUNITIES

TATA STEEL

सेल SAIL
स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED

JINDAL STEEL & POWER

MDHANI

JSW

राष्ट्रीय इस्पात निगम लिमिटेड
RASHTRIYA ISPAT NIGAM LIMITED
VIZAG STEEL
Pride of Steel

एन एम डी सी
NMDC

SIMA
Sponge Iron Manufacturers Association

THE INSTITUTE OF INDIAN FOUNDRYMEN

IFAPA
The Indian Ferro Alloy Producers' Association

TRF Limited
A TATA Enterprise

TVS

EUREKA FORBES

ESSAR STEEL

Reliance RETAIL
Aapki khushi Hamari khushi

L&T Hydrocarbon

C&S electric

TEXMO INDUSTRIES
Since 1956

YAMAHA

WELSPUN

Godrej

Aarti

ALPINE Electrical
Specialists in domestic electrical installation

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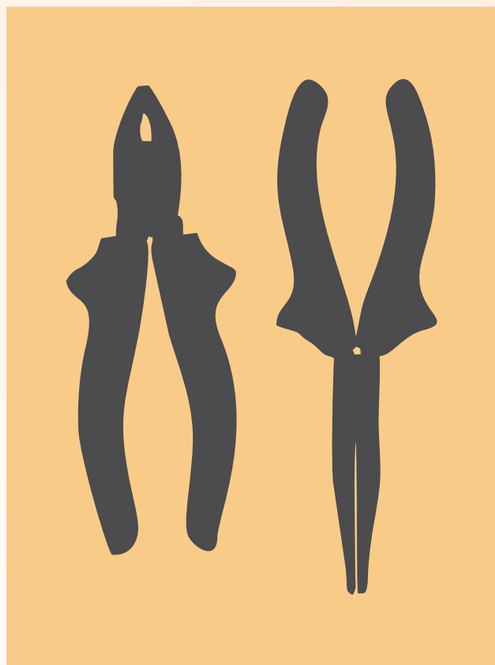
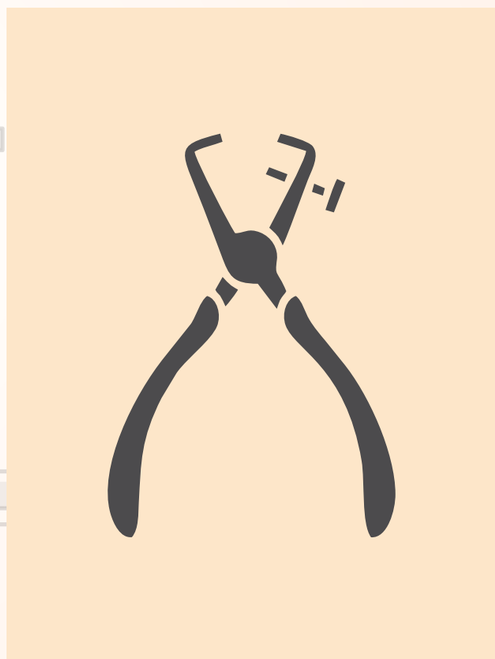
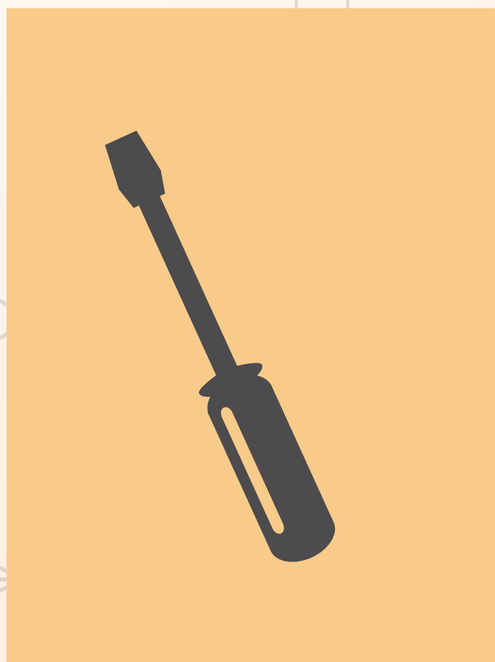
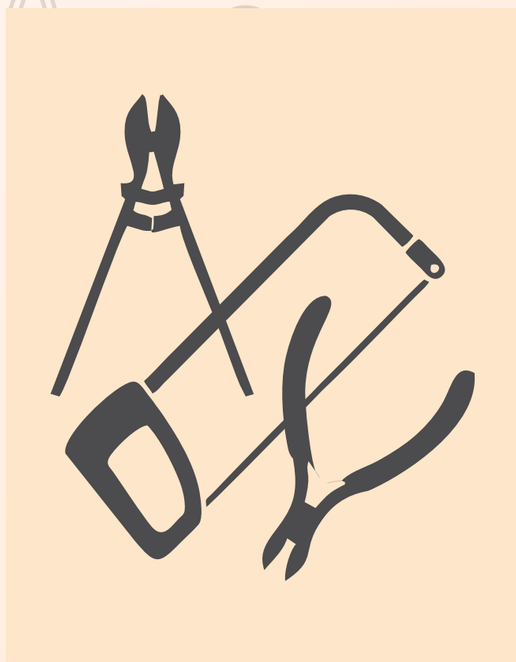
EQUIPMENT LIST

Fitter-Electrical Assembly (ISC/Q1001)

1.	Steel tape, 15 m length	x10
2.	Plier insulated, 150 mm	x10
3.	Screw driver, 100 mm	x10
4.	Electrician connector, screw driver insulated handle thin stem, 100 mm	x10
5.	Knife double bladed electrician	x10
6.	Neon tester	x10
7.	Hammer, cross peen with handle	x10
8.	Spanner adjustable 150 mm, 300mm	x2
9.	Hand drill machine	x1
10.	Allen key	x1
11.	Crimping tool	x2
12.	Wire stripper 20 cm	x2
13.	Hacksaw frame 200 mm 300 mm adjustable	x2
14.	Pliers flat nose 150 mm	x2
15.	Gauge, wire imperial	x2
16.	Soldering iron 25 watt, 65 watt, 125 watt	x1
17.	Multi meter (analog) 0 to 1000 m ohms,2.5 to 500 v	x2
18.	Digital multi meter	x5
19.	A.C. Voltmeter M.I. 0 –500V A.C	x1
20.	Ammeter MC 0-5 A, 0- 25 A	x1
21.	Three phase transformer, shell type oil cooled with all mounting 3 kva, 415/240 V, 50 hz, (delta/star)	x10





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CAREER MAP FOR ELECTRICAL MAINTENANCE DEPARTMENT

Electrical Maintenance Department in Iron & Steel Industry

- Fitter - Electrical Assembly
- Fitter - Electronic Assembly
- Fitter - Instrumentation

C.E.O.

Executive Director (Works)

General Manager/HOD (Electrical)

Dy. General Manager (Electrical)

Asst. General Manager

Senior Manager

Dy. Manager/Manager

Assistant Manager

Junior Executive

Shift-in-charge

Supervisor/Chargeman

Senior Technician

Junior Technician

Trainee

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