

## JOB ROLE OVERVIEW

### Bearing Maintenance (ISC/Q0906)

#### Role Description

The job holder inspects, identifies the problems in the equipment, rectifies the root causes for e.g. leakages, replaces the bearings, lubricates the bearings, ensures fitness of all types of bearings in the plant and carry out routine maintenance.

#### Version

1.0

#### NSQF Level

3

#### Minimum Educational Qualifications

10th Pass preferably

#### Maximum Educational Qualifications

ITI Pass

#### Training

(Suggested but not mandatory)

- 2 weeks hands on training (mandatory)
- Machining, welding, gas cutting, assembling
- Working knowledge of tools & fixtures
- 5S and safety practices
- Working at heights, confined spaces & high temperatures

#### Minimum Job Entry Age

18 years

#### Experience

- 0-2 years' experience in similar function
- In lieu of minimum qualification the incumbent should have minimum 6 to 7 years relevant experience in the similar field/function as utility hand/helper

#### Applicable National Occupational Standards (NOS)

1. **ISC/N0929:** Understand the assigned job of bearing maintenance
2. **ISC/N0930:** Prepare for bearing maintenance operation
3. **ISC/N0931:** Carry out the assigned bearing maintenance operation
4. **ISC/N0008:** Use basic health and safety practices at the work place
5. **ISC/N0009:** Works 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

  
**TATA STEEL**

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

  
**JINDAL**  
STEEL & POWER

  
**MDHANI**

  
**JSW**

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

एन एम डी सी  
  
**N M D C**

  
**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

  
**FK**

  
**Reliance**  
RETAIL  
Aapki khushi. Hamari khushi.

  
**L&T Hydrocarbon**

  
**C&S**  
electric

  
**TEXMO**  
INDUSTRIES  
Since 1956

  
**YAMAHA**

  
**WELSPUN**

  
**Godrej**

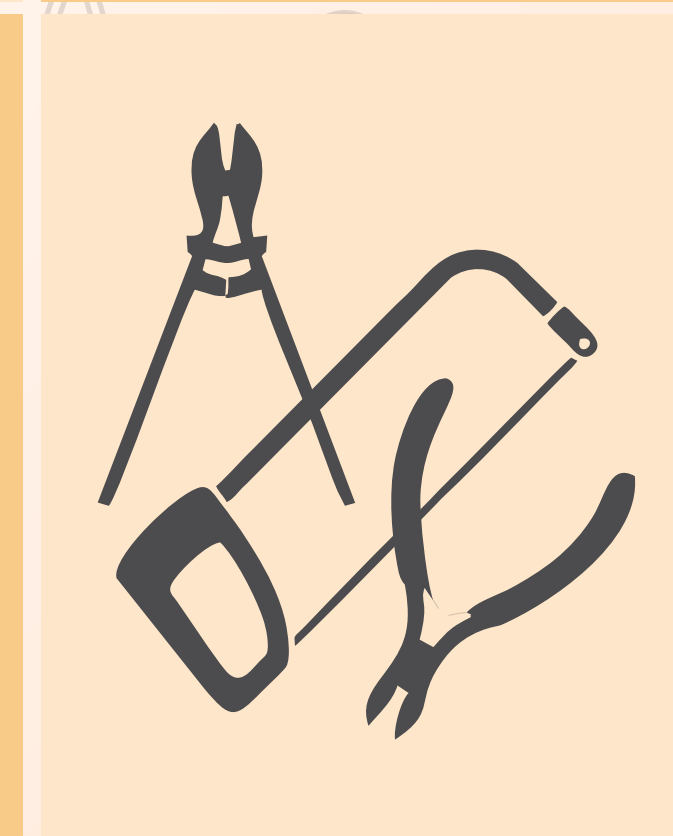
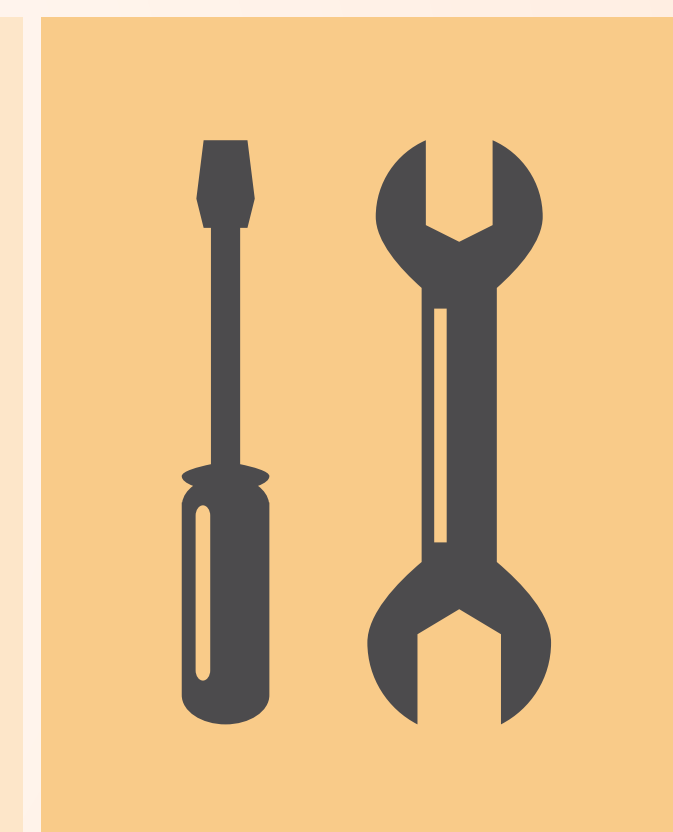
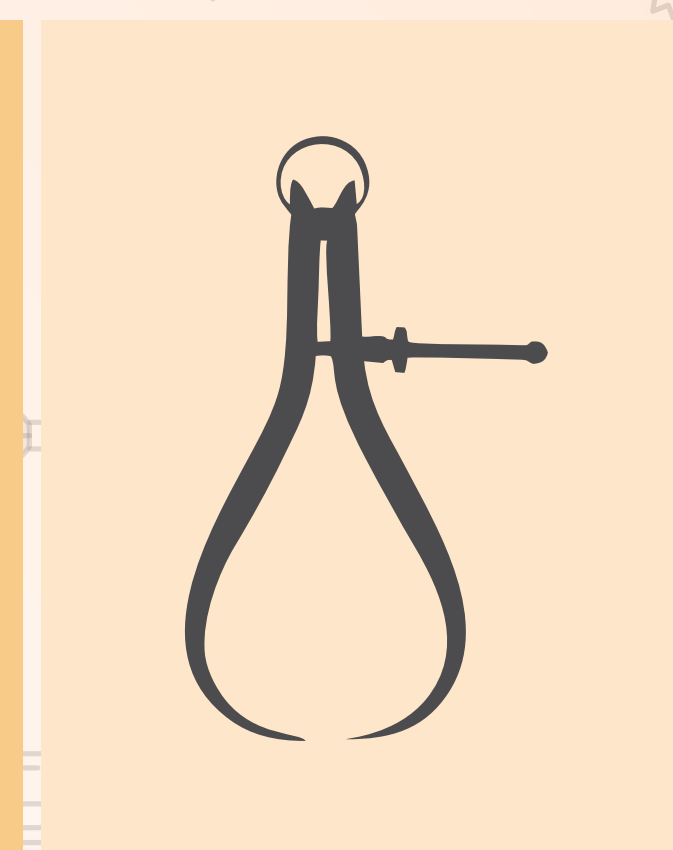
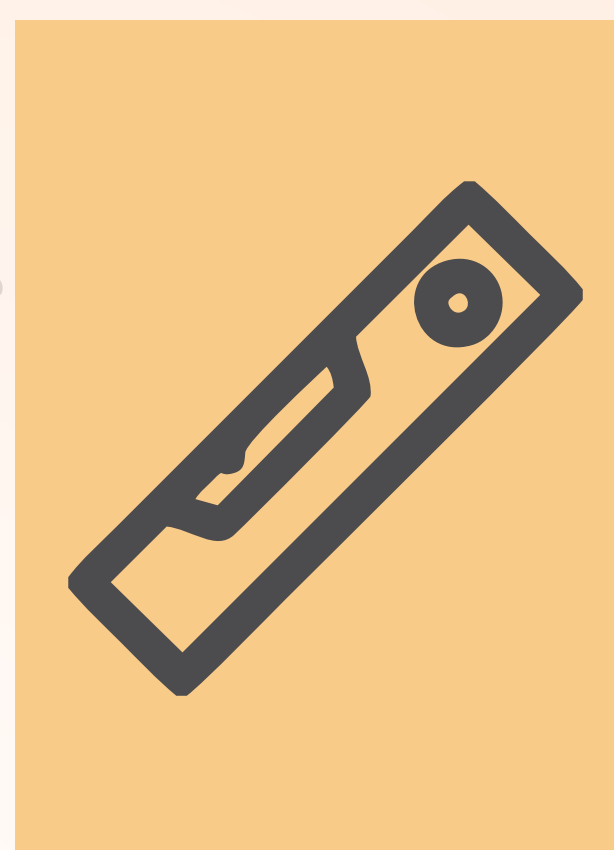
  
**Aarti**

  
**ALPINE**  
Electrical  
Specialists in domestic electrical installation

## EQUIPMENT LIST

### Bearing Maintenance (ISC/Q0906)

|     |  |     |
|-----|--|-----|
| 1.  | Rule steel 15cm with metric graduation | x8  |
| 2.  | Square try 10 cm blade                 | x8  |
| 3.  | Caliper outside 15 cm                  | x8  |
| 4.  | Caliper inside 15 cm                   | x8  |
| 5.  | Screw driver 15 cm.                    | x8  |
| 6.  | Hammer ball peen 0.45 kg with handle   | x8  |
| 7   | Hammer ball peen 0.22 kg with handle   | x8  |
| 8.  | Hacksaw frame fixed 30 cm              | x8  |
| 9.  | Safety goggles                         | x10 |
| 10. | Rule steel 30cm To read metric         | x8  |
| 11. | Feeler gauge 10 blade                  | x2  |
| 12. | File Set                               | x2  |
| 13. | Spanner adjustable 15 cm               | x2  |
| 14. | Box spanner set                        | x2  |
| 15. | Vernier caliper 20 cm                  | x1  |
| 16. | Machine vice 100 mm                    | x2  |
| 17. | Hand hammer 1 kg with handle           | x4  |
| 18. | Bearing Puller mechanical              | x4  |
| 19. | Bearing fitting tools                  | x4  |
| 20. | Jaw pullers                            | x4  |
| 21. | Greases                                | x4  |





## 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

