

## **The activities in different shops of Engineering Workshop, Sini**

The activities in different shops of Engineering Workshop, Sini are :-

### **1. Activities of Foundry & Smithy Shop (Shop No.1)**

This shop is manufacturing following items :-

- i) Cast Iron rollers of various sizes for FBWP/JSG,
- ii) C.I. Brake blocks for T.T.Orgn.
- iii) Spl. Type of C.I. Bearing plates
- iv) C.I. Blocks for CMS crossings.
- v) Gunmetal bearings for Push Trolley
- vi) Rail tongs,
- vii) 'U' clamps for unloading of welded panels from Modified BRNs
- viii) Rails tongues for rail dolly
- ix) Components for Push Trolley
- x) Fitting for diamond switch of Fan shaped lay out.

### **2. Activities of Machine Shop (Shop No.2)**

This shop is manufacturing following items:-

- i) Wear Plates for BCM machines.
- ii) Rollers for modified BFRs for FBWP/JSG
- iii) Pinions, Shafts etc.
- iv) Fittings for switches of diamond crossings and ordinary on PSC lay outs.
- v) Push trolley axles
- vi) Dip lorry axles
- vii) Grip blocks for FBWP/JSG.

### **3. Activities of Jig & Tool Shop :-**

This shop is manufacturing following items:-

- i) High Speed EU Rake for transportation of welded panel.
- ii) Fittings for different type of switches
- iii) Rail Dolly
- iv) Push Trolley
- v) Dies & punches
- vi) Bed Plate for Plate Girders
- vii) Wooden patterns required for Foundry Shop
- viii) Miscellaneous repairing works of T.T.Organization and FBWP/JSG.
- ix) Jig & Tool Fixtures.

#### **4. Activities of IC & CI Shop :-**

This shop works as supporting shop for maintenance & repairs of Compressors, Welding Plants, WS Truck, Generator sets, Road Crane & Shunting lorryies etc. Manufacturing of Dip Lorry is also under taken at this Shop.

#### **5. Activities of Girder Shop (Shop No. 5B)**

This is heavy fabrication shop for manufacturing of :-

- i) 40 feet Welded Composite Girder
- ii) 60 feet Welded Composite Girder
- iii) 40 feet semi-through girder
- iv) 100 feet open web girder etc.

#### **6. Activities of Bridge Shop (Shop No. 5C) (i.e. medium structural fabrication)**

This section is manufacturing other welded steel structures like:

- i) Foot Over Bridges,
- ii) Passenger Platform Shelters,
- iii) C.C. Cribs.
- iv) Trusses & Column etc. as per the required drawing.

#### **7. Activities of Millwright shop (Shop No. 6) :-**

This shop for maintenance of various plants and machines of this Workshop. This shop is maintaining all the machines including Overhead Electric Cranes, Hoists etc. This shop also carries out preventive maintenance of machines as per schedule.

#### **8. Activities of Point & Crossing Shop (Shop No. 7) :-**

This shop is manufacturing following items:-

- i) Acute Crossings
- ii) Obtuse Crossings
- iii) Non Standard switches & Crossings (as per yard lay out)
- iv) Switches 1 in 8.5 (for PSC lay out)
- v) Switch Assembly for Diamond Crossing (Single slip & Double slips for PSC lay outs)
- vi) Check Rails for level crossings
- vii) Tongue Rails

### **9. Activities of Yard (Shop No. 8):-**

This shop handles incoming and outgoing loads and feeds raw materials to various shops. Two shunting lorries converted from condemned road lorries are being used for marshalling of wagons. Scrap disposal is also done by this shop.

### **10. Activities of Electrical Repair (Shop No.9):-**

This shop mainly repairs the electrical components of the machines of this Workshop. Supply of power to the office and various shops is maintained by this shop.

Preventive maintenance of Electrical components is also attended by the staff of Electrical repair shop.

### **11. Activities of Planning & Production cell (Shop No. 10):-**

This is a small section for planning of works, forecasting of materials and production control. This cell is also doing day-to day technical correspondence with all the Divisions.

### **12. Activities of Glued Joint (Shop No. 11) :-**

This shop manufactures :-

- i) Insulated Rail Glued Joints 52 Kg.
- ii) Insulated Rail Glued Joints 60 Kg.
- iii) Insulated components 'End post', 'Liners', 'ferrules'

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