

# Ranjitsingh D. Parmar

Nagar

Bhavan

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Opp Jija mata Sankutik

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## Objective:

To achieve the carrier growth in electrical , electronics, instrumentation and automation .

To achieve growth in industrial carrier in the faculty of maintenance/ project engineering.

To become knowledgeable & competent maintenance engineering professional.

## Educational Qualification :

Bachelor Degree in Industrial Electronics Engineering from Pravara Rural Engg College, Loni Dist. Ahmednagar.

## Career Highlights:

**1. BHARAT FORGE LTD. BARAMATI -PUNE since 13/08/2008** . Working as electrical maintenance Head for forging and Ring rolling Division.

At Baramati close die forging with DG80h hammer and Ring rolling with 4 meter outer Dia facility available ,Bharat forge is engaged in manufacturing of automotive and non automotive forging parts like Crank shaft, axel beam, cam and ring rolling with rings and gear blanks ,valve body etc. On DG80h hammer non automobile component are forged.

The plant is highly automated with various types of drives and PLCs , This facility having equipment DG80h counter blow hammer ( Muller Weingarten Germany), 6-axis robots (GLAMA Germany), 2500 MT trim press,4000MT press ,Ring Rolling mill , Box type regenerative Heating furnaces, Rotary Hearth Furnaces for input material heating, hardening , tempering and for forged jobs, Reduce roll system(Manyo Japan)for preforge, shot blasting machine, magnaflux m/c and various utilities eg. Compressors ZR-630(Atlas copco), EOT cranes,MCC.\PCC. DG set.

The plant is automatonized with various PLCs eg. Siemens S7-200, S7-300, S7-400 ,AB RS Logix-500 , RS Logix-5000 ,Mitsubishi Melsung-Gx developer, GE Fanuc-Varia-Pro and Pilz safety PLC , various SCADA's Siemens WINCC, AB RS View32, Elips, AC Drives ABB make ACS 800/500 series, Siemens 430/440 micro master etc.

**2. Thyssen - Krupp Electrical Steels India P. Ltd.** Nasik from 21/08/1995 to 11/08/2008 . Deputy Manager Electrical Maintenance.

TKES is cold rolling plant ,The company manufactures CRCA steel sheets for electrical & automobile applications.

It is continuous process plant. The plant has majority of loads driven by DC motors for cold rolling applications. The ratings are from 20 kW to 2000 kW & rolling process automation controlled by PLC's Siemens-S7-300/400 and Drives 6RA70 , ABB PLC MP 200/ ACS 400 and Drives DCV 550/700 .

TKES having various process lines , , 4 HI cold rolling mill, skin pass mill, electro cleaning line, tension leveling line, Bell annealing furnace , HR Slitter, Pickling line, Electro discharge texture machining, roll grinders, compressors , MCC ,PCC , EOT cranes.

**3 Symtronic Traffic Controls, Bhosari, Pune from Feb 1995 to July 1995.**

Job involved After sales servicing of Micro processor based Traffic signaling equipments.

**4. Relitech Electronics, Pune from Jan 1993 to Feb 1995.**

Job involved after sales service of Liquid level controllers, Soft starters, Inverters.

**Present Job responsibility:**

- Planning of preventive maintenance ie Scheduling, procurement of spares. Man power planning & shift scheduling.
- Budgeting and cost control
- Maintaining conformity of records for ISO and other Customer audits.
- Handling Environmental Management System activities. EMS 14001
- Upgrading & modification in User application PLC program & hardware. These are application based changes needed from time to time
- Attending major breakdown, support and guide to shift in charge, engineers.
- Generates daily energy consumption report and monthly

performance report , MTTR,MTBF

- Identify the Training needs and provide on job trainings to department personals.
- Carry out sustainable energy saving activities, implementation of KAIZENS as per monthly targets
- Development and modification of GLAMA Robot target programs.
- Scheduling of TUS and SAT calibration of hammer and Heat treatment furnaces and instrumentation calibration.
- Prepare Why-Why analysis, root cause analysis, implementation of corrective and preventive actions for major breakdowns
- Diagnostics / fault tree analysis of power distribution, drives, electrical controls and safety systems.
- Maintain all records in SAP
- Provide technical support to subordinates during B/D or modification activities.

**Work Exposure :** Commissioned and installed various AC/DC drives for blower and pump

system under energy saving activities. PLC programming ,control logic developments .

#### **DC drives :**

- ☛ Siemens - Simoreg K - KC - 6RA22 : 4HI Cold rolling mill 1800 KW DC motors
- ☛ Control Technic make Type Mentor - Quantum III. : skin pass mill / TLL
- ☛ ABB make DCV 700 : 4HI cold rolling mill 2000 KW DC motors
- ☛ Siemens 6RA70- Ring rolling 200/ 250 KW DC motors

#### **AC drives :**

- ☛ Allen Bradley 1336 Plus, AB Power flex series : exhaust blower and cooling blower speed reduction
- ☛ Danfoss VLT 3500. : Bell annealing furnace gas circulation blower
- ☛ Danfoss VLT 5000 : For boiler combustion blower speed control
- ☛ ABB ACS 550 : EOT cranes CT / HT / LT speed control
- ☛ ABB ACS800: EOT cranes CT / HT / LT speed control
- ☛ Siemens make micro master 430, 440.

☛ Mitsubishi: FR500\FR750

**PLC's :** We do time to time modification in PLC programming for energy saving application and to reduce process cycle time and to improve productivity as per requirement . I have exposure of Following make PLCs ;

☛ ABB - AC450, MP 200.= **4HI Rolling Mill**

☛ Siemens - S5 operating , 135U. = **4HI Rolling Mill**

S7 operating 300 / 400 = **4HI Rolling Mill , Ring Rolling Mill , DG80h**

### **Counterblow Hammer**

☛ Allen Bradley SLC-500/ RS Logix500 and RX logix 5000 series = **furnace application**

☛ L&T (Modicon) make quantum 314 using modsoft.

☛ GE FAN UC VARSA-PRO

☛ MITSUBISHI

**SCADA: Siemens** - WinCC-flex and Allen Bradley -RS View 32 ,Elips

### **Non contact thickness gauges (radioactive)**

Make -LORAL, ACON, INPL, ECIL with LC 1 micron.

**ROBOT:** GLAMA MAKES 6-AXIS. : Step programming, co-ordinate setting and trouble shooting.

### **AC & DC Motor**

Supervisory responsibility of Periodic & break down maintenance

Make BHEL (DC motor 1800 kw,900 kw), ABB ( 450 kw), Siemens (630 kw), Integrated Electricals, Crompton Greaves, Kirloskar Electric.

### **Trainings undergone - External**

➤ Siemens 6RA22 DC drives

☛ Siemens STEP 7-300/400 PLC

☛ Basics of hydraulics by YUKEN

➤ Allen Bradley PLC RX Logix 500/5000 and RSView32

### **Trainings undergone - Internal**

☛ Basic training of workshop safety

☛ Basic training on fire fighting

### **Professional certifications :**

**I have possesses ENERGY MANAGER cerificate, offered by Bureau of**

**Energy Efficiency Under Department of energy of Govt. of India in 5<sup>TH</sup>  
National certification exam.**

**Personal Details :**

**Date of Birth** 1<sup>st</sup> April 1971

**Marital Status** Married

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**Languages Known** English, Hindi, and Marathi

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Signature

R.D. Parmar