

# GOUTAM MANDAL

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**Looking for a Job opportunity in Quality Assurance and/or Control Department in Leading Steel Manufacturing company as a Metallurgist.**

## PROFILE SUMMARY:

B. E. (Metallurgy & Material Science – Bengal Engineering and Science University (IEST, Shibpur)) & M.Tech (Material Science & Engineering– IIT, Kanpur) with 10 Yrs.+ of Experience in quality & production. Presently working in SLR Metaliks Limited, Hospet, Karnataka as a Manager in RMS-Quality Department, 1 Yr of experience in Rashmi Metaliks Ltd. Kharagpur, more than 1Yrs of experience in JSW Ispat special products Ltd. Raigarh (CG), more than 3Yrs of experience in Sunflag Iron & Steel Co. Ltd, Bhandara, Maharashtra as a Senior SMS process quality control Engineer (Section Incharge), 1Yrs in R L Steels & Energy Limited, 2 Yrs in Hospet Steels Limited, Hospet, Karnataka & 1Yrs in MKU Pvt. Ltd, Kanpur, UP.

## SKILLS:

- Analysis of customer complaint sample & 8D report making.
- SMS Process quality Control. (SMS process Monitoring, Macro structure, Surface inspection)
- Defects analysis of as casting Blooms/Billets & Rolled products. (By Data analysis, Micro structure analysis, EDS analysis etc.)
- 7-QC tool, pivot chat.
- Manufacturing Feasibility Report. (TDC-MFR preparation).
- Metallurgical Testing. (Microstructure, Decarb, Grain size, Inclusion rating)
- Mechanical testing. (Hardness, Tensile test, Jominy Quench End test)
- Spheroidization annealing and Q&T process.
- BIS License certification.
- Different grades as per IS, ASTM, JIS, DIN standard.
- ISO 9000 - IATF 16949. (APQP, PPAP, SPC, MSA & FMEA)
- SMS operation. (LRF operation, VD operation, Alloy addition process)
- Ductile Iron Pipe making. (Induction Furnace operation, Mg converter, Centrifugal Casting)

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Presently working in **SLR Metaliks Limited, Hospet, Karnataka** as a Manager –RMS QAD in Quality Department.

## **PROFESSIONAL EXPERINCE:**

**SLR Metaliks Limited, Hospet, Karnataka (Manager- RMS QA Dept.)**

**(Nov 2023- Till Date)**

### **Company Profile**

The Alloy steel plant is having a setup of SMS 0.30 Million Tones/annum production capacities with EOF, LRF, VD, Bloom & Billet Caster, Rolling Mill, Bright Bar, Annealing Furnace, Heat treatment.

## **PROFESSIONAL EXPERINCE:**

- Looking after customer complaints, analysis of defective sample & making 8D report.
- Immersion UT testing
- Monitoring Spheroidization annealing and Q&T sample testing.
- Monitoring new development heat & testing.
- Support for BIS License certification (IS4432, IS5517, IS11169 part1, IS9550, IS1875, IS7283, IS17111).
- EDS report analysis of defective samples & root cause analysis.
- Monitoring 5S, TPM, KAIZEN work.

## **Rashmi Metaliks Ltd., Kharagpur, WB (Senior Manager (Unit Incharge –DIP)**

**(Nov 2022- Nov 2023)**

### **Company Profile**

The Integrated Iron & steel manufacturing plant is having 350,000 MT/annum DI pipes production capacities with MBF, Induction Furnace, Mg Convertor, Annealing furnace, Core making.

## **PROFESSIONAL EXPERINCE:**

- Day wise production monitoring & reporting.
- To maintained monthly as well as daily stock of Material (procurement & Indent).
- Optimizing the consumption of Ferro silicon.
- Optimizing the consumption of Magnesium by controlling the temperature and casting time. (Target 0.9kg/MT)
- Controlling the Refractory utilization (Target 5kg/MT)
- Training of safety and Casting defects.
- Attending daily Production meeting.
- Brain storming Melters and Shift Incharge.
- House keeping

**JSW Ispat special products Ltd., Raigarh, CG (Deputy Manager (Area Incharge –SMS QA)**  
**(Sept 2021- Oct 2022)**

**Company Profile**

The special steel product plant is having a setup of SMS 1.5 Million Tones/annum production capacities with EAF, LRF, VD, AOD, Bloom & Billet Caster, Slab caster, Rolling Mill.

**PROFESSIONAL EXPERINCE:**

- Pre-Dispatch Inspection & Release of Test Certificate from as Cast Billet/Bloom
- Ensuring successful day-to-day activities and achieve targets.
- Ensuring optimum inventory of consumables and critical spare parts.
- Support to ensure Customer complaints in Billet/Bloom (Less than 0.9% of Dispatch)
- Feedback of quality to production departments and continuous interaction for process improvements and for meeting stringent customer requirements.
- Monitor and ensure safety and housekeeping
- Support in 3rd Party Inspection
- Supporting Documentation & compliance of IMS system of QASMS
- Billet clearance of defective billets
- Monitoring stock of Billet/Bloom Inspection
- Reduce Mix up complaints
- Training of safety and Billet/Bloom defect
- Attain daily SMS Production meeting

**Sunflag Iron & Steel Co. Ltd, Bhandara, MH (Senior SMS process control Engg. (Section Incharge )- QA & CS Dept.)**  
**(June 2018- Sept 2021)**

**Company Profile**

The Alloy steel plant is having a setup of SMS 0.42 Million Tones/annum production capacities with EAF, LRF, VD, AOD, Bloom & Billet Caster, Ingot casting, Rolling Mill, Bright Bar, Heat treatment, Super Alloy.

**PROFESSIONAL EXPERINCE:**

- Monitoring daily SMS process parameter check sheet.
- Daily conduct a meeting with SMS team QA team to discuss SMS process deviation, corrective action and its implementation.
- Route cause analysis of defects in cast product and rolled product related to SMS.
- Weekly taking a brainstorming season for our team member related to defects, route cause and its corrective actions.
- Making flow sheet and control plan for new grade development & Sampling plan of new grades.
- Conduct CFT meeting with higher management & HOD's for the new grade development or any trial heats with corresponding data.

- As I represent SMS quality in weekly QM-Pillar meeting, I present the internal rejection & customer complaints with the help of Histogram, Pareto diagram, cause & effect diagram etc.
- Taking projects to solve the chronic defects. (Currently a project (Cleanliness of steel) is going on under guidance of Prof. D. Mazumder, IIT Kanpur in SMS department & I am the active member in this project)
- Customer visit for SMS process.(Handling 3-4 customer visit per week)
- EDS report analysis of entrapped defective samples.
- 100% Root cause and corrective action for customer complaints related to SMS.
- Check Melting chemistry as per the customer requirement.
- Leading my team to work on 5S, TPM, KAIZEN.

### **R L Steels & Energy Limited, Chitengaon, Maharashtra (Sr. Engineer - QA)**

**(June 2017-June 2018)**

#### **Company Profile**

The plant is having a setup of SMS 0.15 Million Tones/annum production capacities with Induction, LRF, VD, Bloom & Billet Caster, Rolling Mill 30" & 26"- 0.15 Million Tones/annum, Rolling Mill 16" & 10"- 0.06 Million Tones/annum.

#### **PROFESSIONAL EXPERIENCE:**

- Making manufacturing feasibility report (MFR) against Technical delivery condition (TDC) from customers.
- Design of Melting Chemistry as per customer requirement and approved from QA-HOD.
- Product developments & related ISO 9000 & TS16949 documentations.
- Handling customer Audit.
- Checking Metallurgical testing as per the customer specifications.
- Give clearance for rolling as per customer requirements after checking SMS process deviation, Chemistry, macro structure.
- Engage to implementation of Quality standards (ISO /TS16949) & QMS system application & adherence of quality norms as per specifications.
- Conducting meeting with SMS team, Rolling mill team with QC related to root cause for quality issues in the cast products as well as rolled products & suggesting corrective action & implementations.
- Working for SAP implementation.
- Taking training session & Developing people & skill enhancement the quality of products.

### **Hospet Steels Limited, Hospet, Karnataka (Engineer - SMS Operation)**

**(March 2015-May 2017)**

#### **Company Profile**

The plant is having a setup of 0.6 Million Tones/annum production capacities with EOF, LRF, VD, Bloom & Billet Caster, Rolling Mill.

#### **PROFESSIONAL EXPERIENCE:**

- Production engineer ( Shift incharge-steel making, Melter)
- Handling ladle refining furnace (LRF), vacuum degasser(VD).
- Ferro-alloys addition as per SOP depending on the grade.
- Experienced in different types of Special steel grade processing LER, 16MnCr5LSi, SAE 52100, SKFGR3D, SAE 12L14, 38MnSiVS6 etc.
- Normal Grade like 16MnCr5, 20MnCr5, 41Cr4, 42CrMo4, 15B41, 45C8, EN 353, EN 8, En8D, JSL 36, SAE 1141, SAE 8620 etc.
- Prepared the summary of the power consumptions, electrode consumption, and total heat with melter wise performance each month in ladle furnace operation.
- Co-ordinate with Energy optimizing furnace and continuous casting operation team to achieve highest production.
- Shop floor maintained as per 5S norms.

**MKU Pvt. Ltd, Kanpur, UP (Sr. Executive-R&D Hard Armor)**

**(June 2014 - Feb 2015)**

#### **PROFESSIONAL EXPERIENCE:**

- Worked as Sr. Executive in R&D of Hard Armor Department.
- Responsibility of quality checking of incoming materials and outgoing products.
- New product development as per customer requirements.
- Project lead as a team leader.
- Testing data analysis and given a suitable solution demanding by customers.

#### **TRAINING DETAILS:**

- Attended industrial training program at Alloy Steel Plant(SAIL), Durgapur of 4 weeks (from May to June, 2011). Visited areas: SMS shop (EAF, Ladle refining furnace, VOD, VAD and Continuous casting) and Rolling Mill
- I was Volunteer in Quiz, Seminar organized by Indian institute of metals(IIM)
- Trained in INSTITUTE OF PHYSICAL TRAINING & GENERAL AWARENESS

#### **EDUCATION DETAILS:**

<b>Year</b>	<b>Degree</b>	<b>Institution(Board)</b>	<b>CGPA/%</b>
2014	M.Tech (Materials Science and Engineering)	Indian Institute of Technology, Kanpur	7.25/10
2012	B.E. (Metallurgy and Materials Engineering)	Bengal Engineering and Science University (IEST, Shibpur)	70.33
2007	XII	Habra Model High School (WBCHSE)	69.28
2005	X	Habra Model High School (WBBSE)	73.62

### **SOFTWARE SKILLS:**

- Working in MS office (Word, Excel, Power point).
- Knowledge of language such as C.

### **COMMUNICATION SKILLS:**

- English
- Hindi
- Bengali (mother tongue)

### **PERSONAL DETAILS:**

Name	<b>Goutam Mandal</b>
Language Known	English, Hindi, Bengali
Date of Birth	16th Nov, 1989
Marital status	Married
Permanent Address	“Vill-Jhikra, P.O.-Dighalgram, Dist- Nadia, West Bengal-741257, India.”

### **DECLARATION:**

I do hereby affirm that the information furnished above is true to the best of my knowledge.

**Place: Hospet (Karnataka), India**

**Goutam Mandal**

**Date:**