


# SUMAN SAMAL

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 Surat, Gujarat, India  
395009

## PROFESSIONAL SUMMARY

A dynamic professional with 20 years of experience in project management, construction management, mechanical maintenance and electromechanical works.

Expert in structural fabrication, structural erection, equipment erection & alignment, commissioning of structural and technological buildings in Steel melt shop (Caster area/SMLP area/CAS-OB area Torpedo area/HMDS area), Blast Furnace, DRI plant & RMHS division, Shop piping in SMS steel plant, Water distribution network in pipeline projects including pump house, intake well and electromechanical works.

Extensive experience in engineering and management, leadership, mentoring and problem-solving.

## EDUCATION

**Utkal University**  
Bhubaneswar • 06/2013

**MBA: Operations Management**

**National Institute of  
Technology**  
Surathkal, Karnataka •  
06/2003

**Bachelor of Engineering:**  
Mechanical Engineering

## SKILLS

- Structural fabrication
- Structural erection
- Inspection of materials
- Equipment erection & alignment
- Piping
- Best Practices and Methodologies
- Quality Deliverables

## WORK HISTORY

**ArcelorMittal Nippon Steel India Limited - Deputy  
General Manager - Mechanical**

*Surat, India • 06/2022 - Current*

**Section Head - Structure**

**June'2022 to Present, Hazira, Surat**

**Project: Hot Strip Mill Project**

- Responsible for all structural works - Fabrication and Erection.
- Part of technical specification review with technology partner & construction partner. Also design review with design engineering consultant.
- Vendor evaluation and selection.
- Responsible for sub-contractor billing.
- Motivating employee suitably for contributing towards early completion of project.
- Assessment of Risk involved for forth coming activities.
- Assist in developing plan for team activities to include strategy to achieve agreed goals.
- Following International standards on Environment, Health & Safety and motivating the team to practice the same in day-to-day activities.

- Managing Subcontractors
- Project Leadership
- Vendor Selection
- Technical Specifications
- Project Commissioning
- Mechanical Knowledge
- Motivational Leadership
- Technical Presentations
- Timely Project Completion

## CERTIFICATIONS

In house Program on

- Project Management
- Health Safety and Environment
- Quality management system
- Customer Focus
- Value Engineering
- Total Productive Maintenance
- Six sigma
- 5S Methodology
- Certification in L&T Formwork
- Accepted cost Estimate (ACE)

- Provided extra effort on planning job sequence and safety for completing the job on time and without any incident.
- Adhere to all origination policies and procedures.

### **Larsen & Toubro Limited - Sr. Construction Manager - Mechanical**

*Rourkela, India • 03/2011 - 05/2022*

#### **Sr. Construction Manager**

#### **In-charge Mechanical and Electromechanical Works**

**Feb'2017 to June'2022, Rourkela, Cluster-IX, Odisha**

#### **Project: Mega Lift Irrigation Project**

**Client: Dept. of Water Resource, Odisha**

#### **PMC: WAPCOS**

- Execute, monitor & supervise all the mechanical works including laying of DI and HDPE pipeline with all the associated activities i.e., erection of VT pumps & motors and EOT crane etc.
- Delivering the river water from pumping station to Cultivated land in Kharif season. Outlet management system has been operated by SCADA (Supervisory control and data acquisition) operation.
- Planning and monitors of pipe laying & mechanical erection activities with resource plan to meet the committed target to the management with taking care of adequate safety and quality.
- Monitoring & documenting of project plan vs project progress.
- Responsible for sub-contractor billing and JMR for client billing.
- Motivating employee suitably for contributing towards early completion of project.
- Assessment of Risk involved for forth coming activities.
- Implemented and enforced ISO 9001 engineering procedures.
- Provided extra effort on planning job sequence and safety for completing the job on time and without any incident.
- Evaluated work assignments and developed required resource to meet the master schedule.

#### **Construction Manager**

#### **In-charge Structural Fabrication & Erection**

**March'2016 to Feb'2017, Bokaro, Jharkhand**

**Project: SMS-1 Client: Bokaro Steel Plant (SAIL)**

**Consultant: CET, Ranchi**

- Responsible for structural fabrication and erection works
- Responsible for requirement of material, procurement and reconciliation.
- Responsible for Inspection of raw material before fabrication and fabricated structures before erection.
- Planning & scheduling of day-to-day activities for assembly & erection.
- Supervision for manpower utilization, material status and site progress.
- Co-ordination with Design team, QAQC dept, P&M dept, and material dept.
- Monitoring project plan vs project progress.
- Sub-contractor billing and JMR for client billing.

**Asst. Construction Manager**

**In-charge Structural Erection & Fabrication, Equipment Erection, & Commissioning**

**March'2011 to March'2016, Jajpur, Orissa**

**Project: SMS Client: Tata Steel Ltd**

**Consultant: M.N.Dastur & Com (P) Ltd.**

**Structural fabrication (March'2011 to Dec'2012)**

- Responsible for structural fabrication works.
- Evaluated work assignments and developed a master schedule for multiple contractors to facilitate proper usage of limited labor resources.
- Following safety standards and motivating the team to practice the same in day-to-day activities.
- Conducting inspections & audits of the work as per management procedure.
- Sub-contractor billing and JMR for client billing.
- Responsible for requirement of materials, procurement and reconciliation.
- Monitoring the project progress.
- Evaluated work assignments and developed required resource to meet the master schedule.
- Provided extra effort on planning job sequence and safety for completing the job on time and without any fatal or serious injuries.

**Structural Erection (Dec'2012 to Mar'2016)**

- Responsible for Structural erection works.
- Planning & scheduling of day-to-day activities for assembly & erection.
- Supervision for manpower utilization, material status and site progress.
- Inspection of assembled structure, position, and its

- orientation before erection.
- Following the safety standards in all erection activities.
- Check the boom angle, clearance, SWL, and SWR of a crane and discussing the same with the crane operator & foreman before erection of material.
- Proper positioning & alignment of the erected structure before giving the welding clearance.
- Co-ordination with Design team, QAQC dept, P&M dept, material dept..
- Co-ordinate with subordinate engineers and contractor supervisors for Fabrication and erection activities.

**Equipment erection & commissioning (Dec'2012 to Mar'2016) Technology: SMS Seimag**

- Responsible for mechanical equipment works in SMS Caster area
- Erection and alignment of Ladle Turret, segments, guide rails, pedestals, roller table, pump house etc.
- Supervision of technological structure and equipment work for SMS CAS-OB area.
- o Erection and alignment of transfer car, snorkel, oxygen lance, temperature lance, bunker, vibro feeder, weigh feeder, booster fan, ducts, and mast arm with winch etc.

**Monnet Ispat & Energy Limited - Assistant Manager - Mechanical**

*Raigarh, India • 07/2003 - 03/2011*

**Mechanical Works (July'2003 to March'2011)**

- Erection of Structures, Kiln, Cooler, Piping and Conveyor line including all mechanical equipment's and commissioned successfully.
- Part of the structural fabrication and erection of Blast furnace -900 m<sup>3</sup> /0.7MTPA.
- Fabrication of different types of structures as per drawing.
- Involvement in procurement of machineries.
- Good command over rotary kiln, cooler, and dryer maintenance.
- Alignment of stack cap and kiln & cooler main drive.
- Good command in maintenance of MOKTALI & BEVCON vibrating screen and coal impactor.
- Changed slip ring of Kiln and cooler. Also changed the graphite rope of Kiln & cooler.

- Successfully replaced the spring plates of 350 TPD Kiln.
- Done the girth gear alignment of rotary kiln - 100 TPD, 350 TPD.
- Done the hot alignment of 350 TPH kiln with Phillips kiln services.
- Done fabrication of shell air tube, feed tube and air tubes of 100 TPD & 350 TPD kiln.
- Changed the bearing and screen cloth of vibrating screen & also changed the drum shaft and bearing of coal impactor.
- Good command in maintenance of different types of magnetic separator i.e. magnetic separation by drum and magnetic separation by belt.
- Changed the drum and belt of both type of magnetic separator.
- Changed bearing of kiln & cooler support roller and thrust roller.
- Maintenance of pneumatic cylinder and hydraulic cylinder.
- Maintenance of screw compressor (ATLAS COPCO, ELGI & IR) & lobe compressor (KAY & USHA).
- Replaced the shell air fan, air tube and feed tube of Rotary kiln.
- Maintenance of conveyor line i.e., replacement of conveyors, pulleys, Idlers, rollers etc.
- Maintenance of gearbox, RALF, DP valve, centrifugal pump, and multistage pump
- Have good knowledge about ESP, both ETS, THERMAX & ACC.
- Installation and commission - CONE CRUSHER of SHUN BAO make.

## **ADDITIONAL INFORMATION**

- Positive personality
- Self motivated
- Good communicator
- Detail-oriented
- Multitasking
- Technical skills
- Analytical skills
- Leadership skills
- Teamwork

- Interpersonal skills
- Effective communication
- Critical thinking
- Decision making
- Presentation skill

## LANGUAGES

**English**



Bilingual or Proficient (C2)

**Hindi**



Bilingual or Proficient (C2)