

ASHUTOSH TRIPATHY

Junior Executive (JSW Steel Ltd.)

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About

To be a part of an organization where I can fully utilize my skill in *5 MTPA Expansion SMS Utility Project, Operation and Maintenance* and make a significant contribution to the success of the employer while seeking opportunities for personal development.

Experience

Junior Executive

JSW Steel Ltd., Dolvi, District - Raigad, Maharashtra

Nov 2020 - Present (3 Years 6 Months)

• 5 MTPA Expansion project of SMS Utility:

- Project site monitoring and coordination with contractors & subcontractors to ensure timely progress.
- Managed pre-commissioning activities like Hydro testing, pneumatic pressure testing, water & pneumatic flushing, chemical cleaning, cardboard blasting of all media used in SMS.
- Accountable for efficient inventory management of all engineering-related spare parts and consumables, ensuring optimal availability for maintenance and operational needs.
- Proficient in conducting alignment checks during the installation of pumps, tanks for proper pipeline connections.
- Led commissioning of centralized water cooling system for 5 MTPA Steel melting shop containing scale pit, Re-Circulating pump house, Emergency overhead tank, filtration plant, settling tank.
- Analyzing test packs to validate processes and ensure adherence to piping flow diagrams, guaranteeing compliance with design specifications.
- Developing comprehensive pipe-routing plans on-site and generating accurate bill of materials for these systems based on available schematics or P&I diagrams.
- Skilled in working with a variety of materials including carbon steel, stainless steel, mild steel, and galvanized steel, demonstrating expertise in material handling techniques.
- Acquiring and demonstrating proficiency in material identification and handling procedures, including familiarity with relevant ASTM and ASME codes.

• Responsibilities as Operation & Maintenance Engineering:

- Ensuring optimal operation of the cooling system and delivering treated and cooled water in accordance with the requirements of BOF, LF, RH, and Caster processes.
- Conducting thorough reviews and assessments of the plant's water supply, distribution, treatment, and wastewater management structures and facilities.
- Ensuring continuous availability of essential operational equipment such as line pumps, valves, heat exchangers, cooling towers, filters, surge tanks, and sumps.
- Monitoring and maintaining water parameters to ensure smooth and prolonged operation, thereby minimizing operational delays.
- Manage and plan to solve Breakdown & Shutdown problems during various situations.
- Daily update & maintain Utility's media consumption history.
- Operating the equipment both manually and through the Human Machine Interface (HMI) mode to maintain efficient operation.

Portfolio & Projects

5 MTPA Expansion project of Steel Melting Shop Utility

Nov 2020 - Present

Summary : Working for SMS II Project for the Up gradation of 5 MTPA capacity to JSW Dolvi plant, containing Converter (2 Nos) along with ERS technology KR Desulphurization unit, RH Degasser, Ladle furnace with 350 Ton, LF, and Gas recovery. Looking after Fabrication, Erection & commissioning of overall utility piping (IBR & NON-IBR) for SMS II. Also have experience in the commissioning of ERS systems, Oxygen lines for Lancing in 350 MT converters and have vast experience in handling flammable gases like NG, COG, Mixed Gas & LD gas.

Also getting the opportunity to get familiar with Steam Box Technology to treat slag generated during molten metal treatment, which is the first technology introduced by any steel plant in India. Here we have a converter with ERS technology. It's a unique design through which we can use the heat energy generated during converter oxygen blowing to produce steam with the water circulating for the cooling stack conditioning. And the same steam will be used for the operational purpose of RH Degasser. Also handled the Piping erection and commissioning of Dry type GCP. Got the opportunity to execute Piping Erection and commissioning for bag house & Gas Export system technology to my experience.

Education

Diploma in Mechanical Engineering

Utkalamani Gopandhu Institute Of Engineering, Rourkela, Odisha

81.97%

2018 - 2020

Higher Secondary School Examination

Government Junior College, Rourkela, Odisha

57%

2016 - 2017

Secondary School Examination

Sarangadhar High School, Dhenkanal, Odisha

82.66%

2014 - 2015

Computer Skills

Basic Computer Knowledge, PGDCA, CISCO (C++, Cyber Security), Basic AutoCAD

Soft Skills

Problem Solving, Communication, Flexibility, Hardworking, Teamwork

Languages

English - Intermediate

Hindi - Fluency

Odia - Native

Hobbies

Reading & gaining knowledge, Coin Collection, Art, Playing Badminton