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BHUSHAN POWER AND STEEL
LIMITED. SAMBALPUR -768212.
ORISSA

RAKESH KUMAR RANJAN

Senior Manager (Business Excellence)
JSW STEEL LIMITED , SAMBALPUR

OBJECTIVE : To work in a motivated environment that provides an opportunity to capitalize on my technical skills, learn key technology areas and contribute effectively to organizational Goals through continuous knowledge enhancement.

As a process engineer I have experience of around 11 years in gas cleaning , sour water stripping and acid gas recovery ,Tar Production Units and was involved in the duties like commissioning, stabilizing, handling operations, designing, testing, integrating the components to produce the final design, evaluating the design's overall effectiveness, cost, reliability, and safety to give the maximum output possible.

At present heading the Business Excellence activities in the plant and leading a team of individuals functioning at department level to eliminate losses, enhance reliability ,monitor kaizen projects and imparting management business objectives through measurable KPIs.

CERTIFICATION & RECOGNITIONS

OPERATION MANAGEMENT WITH SIX SIGMA ; IIM RAIPUR

OSA CERTIFIED PERSONNEL

DEPARTMENT CERTIFIED CONFINED SPACE AUTHORISED PERSONNEL

Certified Safety Champion from JSW Group

Certified TPM professional & Facilitator

QCFI , Mumbai Chapter , Best of the Best Trophy winner [Allied Concept] - 2024

KEY SKILLS

CROSS CULTURE Work Environments

Staff Supervision/ Training

Project Coordination

Project Commissioning

MS Office

MS Excel

EDUCATION

BE (Chemical)	Mar '08
Manipal Institute of Technology, Manipal	MANIPAL , KARNATAKA
10+2	May '03
SAWAN PUBLIC SCHOOL NEW DELHI	NEW DELHI
10th	May '01
SAWAN PUBLIC SCHOOL NEW DELHI	NEW DELHI

PROFESSIONAL EXPERIENCE

TPM Secretary - Business Excellence [TPM Cell] Dec 19 - Present

Section Head - JSW Steel , Sambalpur Works

Job Responsibilities

- Driving Manufacturing Excellence in Plant , focusing on reduction of downtime, yield improvement, and Lean Implementation.
- Implementing TPM methodology and coordinating all TPM related activities in and across the whole premises,
- Coordinating the task assigned to various functional departmental Pillar Sub Committee on scheduled basis.
- Introduced Kaizen Concept and driven the kaizen projects from scratch, focusing on elimination of 16 type of losses in the organization.
- Established Kaizen Committee in various departments and also introduced R&R scheme in synchronization with HR Team for best kaizens.

- Indulged into various Kaizen projects related to Process improvement, Cost Optimization , Loss Elimination & other improvements .
- Working on OEE & OPE improvement in various departments targeting improvements in Availability , Performance & Quality factor.
- Taking new initiatives as per the need of the situation. Some of them are Lubrication Mgmts. Prog & Women Model Machine , SAP PM Module implementation.
- Monitored various improvement projects involving SMED , SIX SIGMA through KAN BAN approach . Visual Boards and Visual Workplace implementation at various junctures in all over the premise.
- Facilitating training program to all the TPM subcommittee members for various improvement methodology like Kaizen , JH , SMED & Others.
- Key equipment performance monitoring (Availability, MTBF & MTTR) for further improvement & sustaining.
- Implementing 5S in all over the plant and heading monthly audits for accessibility & better sustainability .
- Facilitated support to various kaizen and improvement project presentation at national level competitions [QCFI , OSPC , CII].
- Mentors teams to win in various national 5S , kaizen & TPM competitions [CII , QCFI , OSPC] .
So far won 23 Gold awards this year [FY 24 -25] In various category at national level [QCFI & CII]

Senior Manager- Process & Operation

Oct 17- Nov 19

JSW BPSL COKE OVEN BYPRODUCT PLANT

SAMBALPUR , ORISSA

Job Responsibilities:

- Heading the department and managed inventory, production, workflow and distribution, analyzing each stage of COKE OVEN GAS cleaning anatomy and recovering various byproducts (CRUDE Coal TAR & Sulfur).
- COST OPTIMZATION to meet budget targets . Indulged in various procurement activities which involves, chemicals, services and major and minor equipment
- Lead routine maintenance of all types of GAS CLEANING EQUIPMENTS used in COKE OVEN GAS HANDLING CLEANING AND DSTRIBUTIOJN which includes SCRUBBERS, DISTILLATION COLUMNS, HEAT EXCAHNGERS with focus on safety, upkeep and proper handling of emergency repairs.
- Keeping all parameters intact for smooth operation and ensuring maximum yield of Crude COAL TAR PRODUCTION . Monitoring Safe Dispatch as per Order & Demand .
- Lead a team of mangers and subordinates for implementation of 5 S & JH culture in and across the Department.
- Involved in various techno commercial negotiations with various MNC and INDIA based vendors and service providers.
- Training of subordinates and other juniors for enhancement of safety culture and WCM activities in and across the organization. Improve and sustain plant availability and reliability by coordination with service department and capacity debottlenecking Implementation of new projects for better sustainability and cost saving ideas.
- Headed a project for troubleshooting against the low yield in Crude Coal Tar Production .
- Heading a project for water conservation in and across the plant by installing cleaning mechanism for reuse of waste water generated during coke making.

Manager Process & Operation (Plaster Division)

Oct '16 - Oct 17

Saint Gobain Gyproc India Limited.

Wada Maharashtra

Job Responsibilities:

- Working as HOD of the department and heads a team of experienced professionals to achieve process optimization for optimum quality with better savings
- Successfully headed a team of professionals in changeover (testing + commissioning + stabilization) from burner Heated Kettle to steam heated Calciner (20TPH) for production of stucco plaster.
- Training of subordinates and other juniors for enhancement of safety culture and WCM activities in and across the organization. Installation of waste heat recovery system by indigenous sources and process calculations.
- Lead Kaizen projects for Energy Optimization & Fuel Reduction by using heated Flue Gas.
- Improve and sustain plant availability and reliability by coordination with service department and capacity debottlenecking Cogen plant usage and daily monitoring of energy consumption for improved efficiency.
- Implementation of new projects for better sustainability and cost saving ideas.

Deputy Manager

July '14 - Sep '16

Tata BSL LTD

Meramandali Orissa;

JOB RESPONSIBILITIES

- Handling key position in Gas refining process optimization of Byproduct plant of Asia's largest and World's second largest gas handling plant of capacity 2.5 mtpa (Technology Supplier : Paul wurth Germany)
- Controlling & Maintaining Process Parameters as per Technical Specification for Safe and Smooth Operation, and to achieve Production target.
- Cleaning and recovering various by products like sulfur , BTX, TAR and other HYDROCARBONS. Extraction of H₂S by wet absorption process from gas.
- To ensure Smooth operation of sour water strippers and its distribution to waste water treatment plant. Planning day by day activities of Gas cleaning and BY product plant including shutdowns and modifications. Preparing sop's and implementing them in their respective areas.
- Commissioning of WWTP of capacity 110 nm³/hr and stabilizing and attaining the desired KPIs.

GET to Assistant Manager

Aug '08 - Jun '14

JSW STEEL

Bellary, Karnataka

JOB Responsibility

- ♦ Handling key position in Gas refining process optimization of Byproduct plant of vertical type recovery coke oven and handling plant of capacity 1.15 mtpa (Technology Supplier : SINO STEEL , China)
- ♦ Controlling & Maintaining Process Parameters as per Technical Specification for Safe and Smooth Operation, and to achieve Production target.
- ♦ Cleaning and recovering various by products like sulfur , BTX, TAR and other HYDROCARBONS.
- ♦ Training & skill enhancement of operators , technicians and all reportable subordinates.
Ensuring execution of daily shift activities and coordinating shutdowns and assigned JOB at shift level
Preparing sop's and implementing them in their respective areas.

HOBBIES

PLAYING BADMINTON, FITNESS , WATCHING SCIENCE FICTION MOVIES, Travelling