

#### rakesh ranjan

**(27+ Years of Experience in cement Plant for Plant erection, commissioning, operation and Maintenance)**

*A/3 B.S PALACE RAMNAGAR*

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JHARKHAND

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###### PROFESSIONAL SUMMARY

* 27+ years of experience in Control Instrumentation Projects, in **Cement**. Apart from which having the gained experience in the Plant Maintenance and management with the knowledge of operations and Maintenance.
* 2 Years working experience of Cement Batching concrete plant for the cement plant project for whole silos and building for civil jobs.
* Proficiency in designing and reviewing the cable schedules, preparation of the IO list, selecting the field instruments in related to the process as well as in the Sizing of the Flow Instruments.
* Proficiency in monitoring the construction activities related to E & I contractors and inspecting the job executed by the contractor with respect to the RFI (Request for inspection).
* Proficiency in the Installation and commissioning DCS and having the good knowledge in modifying and programming the Logic building, logic/control loop diagrams and graphics pertaining to **CENTUM XL, CS3000 & CS1000 DCS of Yokogawa, ABB DCS (ACM 800xA)**.
* Team Leader and Coordinator in execution of the Turnkey Projects.
* Proficiency in designing maintenance strategies, procedures and methods; diagnosing breakdown problems; monitoring and controlling maintenance costs.
* Execution of all Minor & Major Planned Maintenance Jobs Annual spares parts requirements, Manpower Planning, Quality Production, Quality circle Activities, and TPM Implementation.
* Conversant with ISO 9002, ISO14000, ISO18001, TPM and Safety standards, norms & specifications.

###### ORGANISATIONAL SUMMARY

**Presently working with Nuvoco cement Limited (Formerly Emami cement Limited) jajpur as HOD Packing Plant as Assistant General Manager since 11/05/2019. Prior to it I was soldering the responsibility As HOD E&I for Plant erection, commissioning, operation and Maintenance of the same plant.**

Worked with Emami Cement Limited Jajpur oridsha As HOD Electrical & instrumentation as Senior Manager E&I since 05/02/2018 to 10/05/2019 for Project erection and Commissioning.

Worked as Section in charge VRM as Manager E&I Since 1st may 2014 to 04/02/2018 with Lafarge India Private Limited JOJOBERA Cement Plant.

* Worked asManager E&I with Lafarge Cements JOJOBERA JAMSHEDPUR as In charge of Grinding Section KHD make Roller Press area Since June 2013 to April 2014.
* Worked for commissioning job of Jhajhar Blending Project.
* Worked asManager E&I with Lafarge Cements JOJOBERA JAMSHEDPUR as In charge of Packing Plant Since Sep 2012 to May 2013.
* Worked as Deputy Manager E&I for cement grinding project at JOJOBERA CEMENT PLANT where I was responsible for VRM Whole circuit Erection and commissioning since March 2009 to Aug 2012.
* Worked as Asst. Manager Instrumentation in Lafarge Cements SONADIH RAIPUR, from Jan2009 to March 2009.
* Worked as SHIFT INCHARGE Instrumentation in ACC CEMENT COMPANIES LIMITED from 1994 to 2009**.**

######  JOB PROFLE IN PRESENT ORGANISATION – LAFARGE CEMENTS

**Worked for the Erection & Commissioning of the 1.0MT cement plant at SONADIH, RAIPUR**

**Responsibilities in the project:**

* Responsible for Execution and Inspection for the project according to design drawings, Specifications and Inspection and Test plan.
* Complying the safety standards of the Lafarge as it s core value in all aspects of the Project execution.
* Reviewing the Layout Drawings, Electrical and Instrumentation drawings and sending the comments to the Vendor for modification as per the site requirement.
* Monitoring the construction activities of the contractor and updating at regular intervals.
* Inspecting/checking the process instruments hook up for the Pressure, Temperature, Level, Flow Transmitters, etc and witnessing the calibration of the instruments, which is performed by the third party/Contractor testing team.
* Inspecting/checking the critical interlocks, loops with respect to the equipment/process requirement, if required modification of logic/loops as per the process requirement is performed.

**Key Highlights:**

* Erected and Commissioned Schneider DCS, Field Instrumentation, Stand-alone PLC control Systems.
* Commissioned the 5000 TPD Kiln, Raw mill, Cooler Successfully.

**Working for the Cement Grinding Unit of 1.2 MT plant at Jamshedpur**.

**Responsibilities in the project:**

* Electrical and Instrumentation jobs related to cement mill (of 230 TPH Loesche Make), Coal mill (Of 15 TPH Alstom Make), HAG, Slag Stacker & Reclaimer.
* Reviewing and modifying as well as Preparation of Cable Schedules From MCC to IO panels, Field to Io panels etc.
* Co coordinating with Electrical & Instrumentation contractors and monitoring the activities in site.
* Coordinating with ABB DCS Engineer for the Program Building, Graphical views as per the Lafarge standards.

**Key Highlights:**

* Attended the Inspection of the Instrument panels, ABB (ACM800xA controller) DCS FAT, as per the standards and other related issues to project.
* Inspecting /checking various control loops related to equipment interlocks as per the Requirement/standard operating procedures.
* No load Commissioning trail run carried out for the Slag Stacker & Reclaimer.
* Humidity and D.P with Damper controlling system through the Honey well care Solutions (PLC) along with Access control systems.
* Performed Hooking up the desired field process instruments as per P&I diagrams and detailed wiring to the DCS based System.
* Carried out Logic building, logics/control loop diagrams, graphics related to the project and interlocks with respect to the client’s requirement.
* Manage the maintenance of plant m/cs & utility.
 Maintenance of HT 33KVA ,LT Panels, ACB,VCB and Transformer Testing etc. Maintenance of m/cs - Injection Moulding
 Maintenance of Utility System and Controlling (DG sets, Air dryers, Chillers, MTC, AC units, Air Compressors, Cooling towers etc.)
 Familiar with Different type Sensors (Proximity, Read switch, Photo Electric, Fibers Optic, Thermocouple and RTD etc), Counters, Solenoid Valve, Limit Switch, PID Controller, PLC, and AC & DC drive system.
 Proficient in Troubleshooting & Problem solving techniques for smooth running & to improve efficiency of plant.
 Responsible for reconditioning & overhauling of plant machinery for increasing machine available time.
 Responsible for improving and modifying machines as per requirement for achieving better productivity and quality.
 Responsible for installation & commissioning of new machines.
 Maintenance of basic system of electrical, power & distribution.
 Responsible for energy saving projects & cost reduction.
 Breakdown maintenance analysis and preparation of preventive schedule and checklist.
 Handle manpower, material planning & indenting.
 Maintain and control of spare parts inventory.
 Local venders develop for substituting imported items.
 Maintained MTTR, MTBF and Total down time, MIS etc.
 TS documentation & calibration of instruments as per due dates.

Specialties
Electrical & Electronics Maintenance and Projects.

######  AREAS OF EXPERTISE

######  LIMITED

**Project Planning & Execution :**

* Preparation of technical specifications, scope, deliverables and estimates based on requirements generated during detailed engineering of the project.
* Managing activities right from the conceptualization stage to the execution; involving finalization of technical specifications, tendering, procurement, scheduling, erection, testing & commissioning, site management, manpower planning with suppliers and contractors.
* Ensuring execution of activities / projects within time & budgetary parameters.
* Liase with seniors, colleagues, subordinates, workmen and other agencies.

**Erection, Inspection and Commissioning:**

* Erection of E&I equipment as per the manufacturer recommended procedure and applicable standards.
* Conduct inspection, pre-commissioning and functional testing to ensure the performance capacity of various Electrical Motors, MCC panels, Instrument control panels, DCS.
* Prepare and document records as per the stipulated formats.

**Quality Assurance:**

* Ensuring compliance with quality assurance measures that monitors the consistency and quality of services provided to specialized equipments and instruments.
* Executing cost saving and energy saving procedures to achieve substantial reduction in O&M Expenditures and work within the budget.
* Assess subordinates & arrange suitable training and skill development programs.
* Implementation of TPM, ISO9001: 2000 and company safety policy.

**Operations & Maintenance:**

* Identify & implement cost effective maintenance practices. Working upon the areas of chronic problems/bottlenecks/ breakdowns and initiate steps to solve problems through root cause analysis. Prepare contingency plans to cater emergencies.
* Handling the breakdown analysis through Why-Why Analysis.
* Planning and scheduling maintenance to increase equipment reliability & plant availability.
* Look for modifications in direction of achieving increased productivity and quality operations.

######  EDUCATIONAL ATTAINMENT

######  LIMITED

 Completed MBA PROGRAM FROM MIBM GLOBAL METRIX IN FIELD OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT, Project Management, and Operation Management. WITH 7.3 CGP.

**(MEE) MASTER IN ELECRONICS ENGINEERING,** **NATIONAL EDUCATION MANAGEMENT. (RAJSTHAN)**

**(PGDPM)Post DIPLOMA IN PLANT ENGINEERING & MANAGEMENT IN (INSTRUMENTATION AND AIR-CONDITIONING&REFRIGERATION), BOS-IIPE CHENNAI BY INDIAN INSTITUTE OF PLANT ENGINEERING. (MUMBAI)**

 **DIPLOMA IN (INSTRUMENTATION), KEI ENGINEERING INSTITUTE KYMORE (M.P)**

######  CERTIFICATIONS/TRAINING UNDERGONE

######  LIMITED

* 6 weeks Training on electrical power generation, distribution, motor, generator and various electrical equipment under multitrade concept.
* Trained on “Fundamentals and Engineering in Yokogawa DCS CS3000
* Trained on “Fundamentals and Engineering in ACS 800 Single Drive
* Trained on “Fundamentals and Engineering in ABB DCS “
* Trained on “Valve and actuator “
* Trained on SAP PM MODULE.

###### PERSONAL DETAILS

######  LIMITED

**Father Name : Kishore Prasad**

**Date of Birth : 05-05-1975**

Martial status : Married

**Passport No : P1570372**

**33KV Electrical Sup.Licence No : JH/ES/5243**

**First Aider Registration No : 09875862**

**Nationality : Indian**

**Permanent Address : Rakesh Ranjan**

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**Current CTC : 26.9 Lac**

**DATE: 28/02/2023 Rakesh Ranjan**

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