**AWADHESH KUMAR SINGH**

**Exeperince-27 years (DGM-Project) Power plant**

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**Woking with JHV Ltd as a DGM – Project Power Plant.**

**Career Digest**

**An astute leader with 16 years of industrial experience in field of:**

- Project Execution & Maintenance of power plant - Project Execution & maintenance of

ETP, STP, Water & waste Water treatment.

- Maintenance of power plant - Project & Maintenance of Chemical Plant & Utility.

- Project Execution& Maintenance of Oil & Gas.

- Strategic Planning - Material Management.

-Energy Management System and Product Support.

* Demonstrated capabilities in handling project management activities –field operation and maintenance of power plant, Oil & Gas, project engineering planning and review and making good business relation.
* Deft in planning & implementing the preventive, predictive & breakdown maintenance schedules for improving the overall reliability of DCS and field instrument.
* Proven track record in implementing energy conservation measures to achieve substantial reduction in energy.
* Proficient in planning & executing maintenance of a wide spectrum of machinery, equipment & utilities.
* Extension knowledge of quality standard as well as their implementation & documentation in project operation.

**Areas of Strength**

**Project & Maintenance:**

* Installation and commissioning of DCS ( FOXBORO) and YOKOGAWA ( CS-1000& CS-3000), Honeywell ( ML200R).
* Experience on Foxboro DCS logic designing in Archestra IDE, infusion software & I/A Panel hardware.
* Installation and commissioning of PLC HONEYWELL (ML-200 R).
* Knowledge in SCADA and automation control system.
* Knowledge in development as well as commissioning of control system project.
* Project development includes system study, I/O assignment and logic development and doing FAT with client.
* Commissioning task including setting up SCADA system network (server- client), communicating DCS through OFC, I/O Checking, Program sequence testing, Alarms & report configuration.
* Worked in establishing third Party Communication for MAXDNA & FOXBORO System With the help of Matrikon OPC server and involved in commissioning in PADO.
* Protection and Interlocks checking in Thermal power plant Process.
* Involved in Network Security for Firewall Access ERP Level & Configuring L3 Network Switch.
* Instrument Calibration, Installation & Commissioning, understanding/Implementing I/O List & TB schedule, cable Sizing & routing etc.
* Configuring Network Switches, LAN switches & LVS Alarms Point.
* Commissioning of OPC server, Modbus Communication.
* Designing of DCS & Network Panel, system Architecture & Network scheme, I /O Assignment based upon the Engineering Inputs, P & I Diagrams and Flow sheets.
* Installation and commissioning of Vibration Monitoring system.
* Installation and commissioning of field instrument PT/DPT, TT, LEVEL TRANSMITTER, RTD and TC.
* Installation and commissioning of Analyzer (LT-O2 & HT-O2).
* Calibration of field instrument.
* Involved installation and commissioning of PA system, CCTV, Master Clock, wireless system, UPS, 24DC Charger, batteries.
* Installation and commissioning of SWAS system.
* Involved with successful Boiler light up & steam Blowing, Synchronization and full load.
* Scheduling & Execution of Field Instrument , DCS System, Flow Sheets, , and P&ID as per Flow Sheets, Preparation of Instrument list, Cross Checking of Electrical and instrument , drawing relevate to vendor supply.
* Experienced in electrical for project MCC (SLD and details drawing ), power distribution board, HT/LT transformer, cables, cable tray scheduling w.r.t Indian Electrical rule 1956, Earthing IS 3043 and lighting protection Electrical layouts.
* Working with electrical drives (VFD & DC drives).
* Selection of Motor, AC (IS325)/ DC compatibility of Indian motor to suit higher service factor.
* Installation and commissioning of ETP, WTP, STP equipment and PLC testing.
* Selection of Power, Control & Instrument cable schedule.
* Interconnection wiring diagram.
* Daily Review meeting in planning & controlling inventory so as to minimize carrying cost while ensuring ready availability of materials.
* Analysis of Data and making strategy, Team Management & Coordination.
* Coordination with client and other concerned agencies involved. Preparation & Circulation of Daily, Weekly, Fortnightly, and Monthly reports.
* Timely raising the bills and ensuring the collection of payment.
* All the commercial/ Finance Settlement of Client & third party.
* Reviewing P& ID’s, Instrument Hook up diagrams, cable schedules.
* Erection of LIE, LIR and JBs.
* Cable laying and loop testing according the ICS.
* Commissioning & maintenance of Transmitter (PT, DPT, FT) JB’s and Field Instruments.
* Commissioning & maintenance of temperature element (Thermocouple & RTD’S’s).
* Commissioning of vibration sensor and key phasor.
* Commissioning & maintenance of different type of Gas Analyzers (LT O2, H T O2 ,Hg analyzers, SOX, NOX, DUST)Commissioning of boiler oil station, igniter and flame scanner.
* Commissioning and maintenance of ID fan, PA fan and FD fan.
* Instruments check-up as per P &ID.
* Transmitter calibration with HART management system.
* Experienced & Contact in purchase / Procurement of Electronic Components & Products.

**Maintenance:**

* Strategizing and initiating plans for inspection, shutdown jobs preparation & execution, breakdown analysis & action plans and preparation of annual maintenance plans.
* Implementing the preventive & predictive maintenance schedules for improving the overall reliability and safety of equipment’s& machinery.
* Coordinating material planning related activities encompassing identification of vendors, requirement specification & offer evaluation; maintaining optimized spare inventory for Maintenance.
* Maintenance of PLC Based BOSCH packing machine.
* Maintenance of Batch processing plant.
* Maintenance of gift packed packaging machine with 100 % accuracy.
* Daily Review meeting in planning.
* Controlling inventory so as to minimize carrying cost while ensuring ready availability of material.
* Handling in batch processing plant.
* Analysis of Data and making strategy, Team Management & Coordination.
* Root cause analysis of any failure and corrective action plan and its implementation.
* Modification in equipment and process to optimize production and quality.
* Providing all detail analysis and information to top management for purchase of new equipment.
* Setting of preventive maintenance and predictive maintenance plan and schedule.
* Overall equipment capacity planning, optimizing capacity utilization of all equipment.

**Planning & Management:**

* Managing project activities right from conceptualization to execution involving finalization of technical specifications, procurement, scheduling, progress monitoring, vendor development, site management, manpower planning, etc.
* Monitoring and executing various erections of power projects with respect to budgeted cost, demand forecasts, time over-runs to ensure timely execution of projects.
* Verifying all drawing & documents related to project and ensuring execution as per relevant specification/requirements.
* Should be responsible for Manufacturing operations, Production, Production Planning Product Development, Maintenance troubleshooting, Quality Management, manpower planning and Team management.
* Overall responsibility of engineering functions required for plant and leading engineering team for process improvement and manufacturing operations.
* Providing detail raw material plan required & Monitoring Procurement Process & Make sure the proper material flow in the production process.
* Develops an overall vendor base which creates and sustains a competitive advantage utilizing global market exploitation, leveraging spend, and leveraging of technologies.
* Negotiate and execute purchase orders or vendor contracts as needed to support the critical business needs.
* Monitoring of targets and committed dispatch dates of production on daily basis.

**Material Management:**

* Ensuring the material availability of spare of equipment
* Handling material issue from store.
* Updating Material Stock Status and ensuring its regular availability for smooth maintenance.
* Maintaining accounting and inventory of materials.
* Planning of material for annul shut down and critical spare.
* Monitoring of targets and committed dispatch dates of production on daily basis.
* Managing Stores & Related Activities.

**Safety Management:**

* Adhering to safety standards in all functional areas.
* Ensuring smooth & safe operation of plant by strict compliance of safety procedure & standard operating procedures and implementing safety measures during normal operation and emergency.
* Preparation & Implementation of Quality Assurance Procedures / Plans.
* Complete documentation & DGMS (Directorate general of mines safety) approval.
* Complete documentation & GPCB (Gujarat Pollution control board) approval.

**Professional Scan**

**Since Sep-16 to till date JHV Ltd as a DGM – Project power plant.**

**Aug 2011 to Sep-16 Schneider –Electric (Invensys) as a Project Manager. Project Capacity (2x500) MW NTPC VSTPP and NTPC Rihand.**

**Feb’09 – Aug 2011. UEM INDIA LTD (ENVIRONMENT) New Delhi, as a Manager Maintenance (Electrical &Instrumentation).**

**April ’2003 – Jan’09 Hindustan Unilever LTD, Baddi,(HP).as a Dy Maintenance Manager ( E&I).**

**Aug 2000 to December 2003 as Sr Fore Man Operation & Maintenance in Hindalco Industries Ltd (Power Unit).Having Capacity of 720 MW.**

**Role:**

* Steering entire Power Plant Operations including Project Management, erection, and Maintenance as well as Material Management activities.
* Overseeing the smooth erection & Commissioning of:
  + Installation and commissioning of DCS, testing of loop and other field instrument.
  + Worked established in third party interfacing through OFC.
  + Installation and commissioning of Field instrument.
  + Installation and commissioning of SWAS, PA SYSTEM, CCTV, GPS system and Wireless system.
  + Calibration of Field instrument.
  + Coordination with client and other concerned agencies involved.
  + Preparation and circulation of daily, weekly and monthly progress reports.
  + Timely raising the bill and ensuring the collection of payments.
  + All the commercial and final settlement of client and third party.
  + Experienced in QC/QA of electrical and general items of project.
  + Good liasoning skills and proficiency of vendor and client.
  + Planning and scheduling of project execution.
  + Planning and scheduling of dispatches, setting priority, coordination payment and updating critical activity.

**Academics**

* Diploma in Instrumentation and Control engineering year of 2000 from Institute of engineering and rural technology, Allahabad (U.P).

**IT Skills:** Conversant with MS Word and Excel, SAP.

**Training Experienced**

12July 05 – 02 Aug 05 Yokogawa DCS (CS 1000 & CS 3000)

Introduction of DCS Programming, Software and Hardware.

Venue – Bangalore.

22 Aug 06 – 05 Sep 06 Yokogawa DCS (CS 1000 & CS 3000)

Introduction of DCS Programming, Software and Hardware.

Venue – Bangalore.

06 Nov Nov-08 – 21Nov-08 Honey well PLC (ML200 R)

Venue – Pune.

Training of Mico Bosch packaging TW 100 SPL (Two times) Bangalore.

Training of gift pack machine (Interpack), Pune.

Installation of visible Indicator of packaging machine.

**Appreciation Letter:**

1. **M/s. NTPC VSTPP (2X500 MW) give appreciation letter to successful achievement of 500 MW “COD” and 2nd 500 MW Synchronization and Full Load as a Project Manager.**
2. **Excellence performance certificate from M/s. Invensys India (P) Ltd.**

**Personal Minutiae**

Father’s Name Sh. Bhagwat Singh

Date of Birth 12 July 1982

Personal Address: Vill- Chhitauni,

P.O – Lohta,

Dist- Varanasi (U.P)

**Principles I looks forwards to:**

* Be a good finder and Team Player.
* To be a sincere and dedicated worker.
* Get into a continuous education program.
* Stay away from negative influences.
* Race 100 Mtr (winner).
* *“A” Certificate in NCC.*
* *Carom, Cricket (Winner).*

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