**SAYED MUSHTAQ ALI**

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**Seeking career enhancements in Operation & maintenance and Plant Management, Technical Services, Planning & design review of water supply & sewerage schemes for existing & future development with leading organizations.**

#### SYNOPSIS

* *BE (Electrical) over* ***20*** *years’ experience in Plant Management, operation and Maintenance, and Installation, Commissioning of Water and Waste Water project.*
* *Associated with* **NCC Limited.***Well versed in managing maintenance operations of Electro-Mechanical Systems, Equipment and Utilities in Manufacturing Facilities, water treatment plant with proven abilities in reducing downtime and enhancing operational efficiencies of the same.*
* ***Responsible for Drinking water Plant , Design review of the treatment facilities pumping machineries****, substations, PCC and MCC panels, GA drawing, Operation and Maintenance of WTP’s, Pump House and Pipe Line. Operation & maintenance of pumping stations, electrical installations etc.* ***Operation and Maintenance of transmission & distribution pipeline network.***
* *Skilful in enhancing systems to bring greater cost efficiency levels & energy / power reductions like Water treatment plant, raw water pump house, clear water pump house and looking after all electrical and mechanical activity.*
* *Successfully provided valuable suggestions for efficiency enhancement.*
* ***Responsible for Supervision and execution of electro-mechanical construction work activities- Drinking Water WTP’s, pipe line, network and OHT’s.***
* *Excellent communication, relationship management & organizational skills.*
* ***To ensure the plant and all its units operate at all times in compliance with the agreed contract.***
* *To take daily rounds of each machinery, equipment & process of the WTP.*
* *Report relevant information, particularly in the event of non-conformity.*
* **Schedules and coordinates activities concerned with processing and distributing water.**
* *To ensure that the plant is operated and maintained within the budgetary allocation.*
* ***Ensures process compliance through the development of simple yet comprehensive procedures, work instructions, flowcharts, forms, templates, checklists, worksheets, and other product and process related documentation.***
* *To conduct Action Work-outs and permeating the knowledge of lean tools in the organization.*
* *Driving sustainable and continuous optimization of the organizations business system by embedding process management and lean thinking.*
* *Co-ordinate with Cross functional team to improve quality on continual basis.*
* *Identify gaps between the customers experience and their expectations, needs and wants.*
* *Ensure that the Voice of Customer and the Voice of Process become an integrated part of our solutions.*
* *Root causes analysis of business problems through rigorous data analysis and statistical modelling.*

**ORGANIZATIONAL EXPERIENCE**

1. **Working as Assistant General Manager (E&M works Operation & maintenance)-Look after All works of 213 & 72 MLD WTP at Ranchi WSS.**

**Since Sept 2023**

* ***Looking after 213 MLD & 72 MLD water Treatment Plant , Design review of the treatment facilities pumping machineries****, substations, PCC and MCC panels, GA drawing, Operation and Maintenance of WTP’s, Pump House and Pipe Line. Operation & maintenance of pumping stations, electrical installations etc.* ***Operation and Maintenance of transmission & distribution pipeline network.***
* ***Responsible for Supervision and execution of electro-mechanical construction work activities- Drinking Water WTP’s, pipe line, network and OHT’s.***

1. **Worked as Sr.Manager (O&M Incharge) in JMC Projects Ltd. plant Operation and Maintenance of 11 MLD Pump House and Pipe Line, transmission line raw water. From Jan 2020 to Sept 2023**

* *Operation & maintenance of pumping stations, electrical installations etc.*
* *Operation and Maintenance of transmission & distribution pipeline network.*
* ***Look after all RA billing and contractor billing and sites.***
* *Supply of water to* ***all customers of Industrial, Commercial, Municipal and***

***Domestic segments.*** *Operations & Maintenance of Electro-Mechanical Systems, Equipment and Utilities in Manufacturing Facilities, water treatment plants.*

* ***Installation of Flow meters and Pressure Loggers with GSM configuration connecting to SCADA.***
* ***Excellent relationship management, analytical and negotiation skills to swiftly ramp the project in coordination with engineers at site, client, consultants, sub-contractors and statutory authorities.***
* ***Resourceful in Liaising with client, consultants, contractors/sub-contractors for determining technical specifications, approvals and obtaining statutory clearance.***

**Job Profile:**

* **Maintaining the record in prescribed form regarding maintenance/ repair works (preventive as well as break-down) carried out at all stations and Separate history sheet for every equipment/machine.**
* **Operation and Maintenance of Headwork’s, three WTPs (11 MLD) and Distribution Network.**
* *Prepare the techno-economical feasible action plan to optimize the energy consumption.*
* *Erection & commissioning of Electro-mechanical equipment like VT & CF Pumps, LT Panels, ATS panel, Valves, cable,*
* *Preparation of Work Methodologies.*
* ***Effectively handles the contractors, suppliers and related issues.***
* *Ensures compliance to processes, quality, and safety and industry standards during construction period.*
* *Coordinates with respective government authorities regarding clearances and approvals.*
* *Tracks and monitors the critical equipment availability. And planning for reducing the downtime of critical equipment.*
* ***Generation of reports, graphs, trends and similar data to track performance goals, manage facility usage, and track equipment history and repair costs.***
* ***Look after all RA billing and contractor billing at sites.***

1. **Worked as Deputy Team Leader ( Durg, Bhilai&Rajnandgaon) in DRA Consultant Ltd (AMRUT Mission-Chhattisgarh) from Oct 2016 to Jan 2020.**

**Job Profile:**

* *Completion of reform of AMRUT Mission like E-Governance, capacity Building of ULB. Ensures compliance to online services, quality, and industry standards during period.*
* *CMMU will provide technical/ Handholding support and coordination  
  to the ULB and carrying out following functions:-****II.     Technical/handholding support for water supply & sewerage project, like DPR appraisal, tendering, tender evaluation, project monitoring, billing etc.*** *III.    Preparation of Service Level Improvement Plan (SLIP)  
  IV.     Assist in preparation of Smart City Proposal (SCP) for Smart  
  Cities selection competition.  
  V.      Implementation of Reforms agenda focusing on outcomes  
  VI.     Enabling coaching and mentoring as set out in AMRUT Guidelines  
  Project Monitoring/supervision the quality aspects  
  I.* ***Ensuring setting up of field laboratories by EPC contractor.*** *II.     Contractor internal test on materials, concrete, mortar etc.  
  III.    Pipe line trenching, bedding & refilling and compaction etc.  
  IV.     Lowering, laying and welding & jointing of Mild Steel pipe lines  
  of various sizes.  
  V.      Installation and testing of valves, special fittings etc.  
  VI.     Inside and outside coating of pipe as per RFP (Request for  
  Proposal) specification.  
  VII.    Pipeline sectional testing & hydro testing and pre commissioning test*.
* ***Preparation of Work Methodologies.***
* ***Coordinates with respective government authorities regarding clearances and approvals.***
* *Condition assessment of Bulk supply system (Intake work, Jack well, Rising Mains, WTP, and Pumping stations).*
* *Preparation of rehabilitation work report based on condition assessment and Execution of rehabilitation work.*
* *Preparation of Detailed BOQ, RFP for rehabilitation work.*
* *Carry out the necessary survey for baseline exercise & establishment of baseline values for WSS and achieving the performance targets considering the baseline.*
* *Preparation of resource plan containing consumable, spare parts and chemicals required for annual repairs & maintenance.*
* *Preparation of Asset register, Implementation plan for effective operation and maintenance, leakage control and asset management & SOP for Pumping machinery.*
* ***Preparation of schedules for periodical maintenance, inspection and implementation the same.***
* *Planning, execution and maintaining the Bulk Supply assets in good working condition in compliance to quality standard, cost effective, safe and efficient manner.*

1. **Worked as Manager EPC Bulk Electrical in Aurangabad City Water Utility Company Ltd from October 2015 to October 2016.**

***Job profile:***

* ***Looking after all project and Operation and maintenance activity of intake well’s, substation, and WTP, also providing Operation and maintenance jobs of Water treatment plant areas & troubleshooting with team Member.***
* ***Operation and Maintenance of Water Distribution Network.***
* **Technical Coordination and Coordination with Sub Vendors.**
* **Vendors Development and Technical feed back to design department.**
* **Look after all RA billing and contractor billing at sites.**
* *Effectively handles the contractors, suppliers and related issues.*
* ***Supervision of OHTs at different places in the city.***
* *Aurangabad Municipal Corporation has awarded the PPP project to AURANGABAD JAL SUPPLY SOLUTIONS PRIVATE LIMITED (AJSSPL). AJSSPL is special purpose vehicle formed for design, built, rehabilitate, operates & maintain the Aurangabad water supply scheme on PPP mode.*
* *At present AJSSPL is operating and maintaining 10 MLD, 56 MLD and 100 MLD schemes to fulfil the present water demand of the city. And constructing the EPC project of 292 MLD to cater the water demand till 2041 of Aurangabad city.*
* *Lowering laying , jointing and testing of 2000mm X 16mm thick raw rising main of 27 Km & 2000mm X 20 mm thick pure water rising main of 13 Km.* ***Look after all RA billing and contractor billing at sites.***
* ***Erection & commissioning of Electro-mechanical*** *equipment like VT & CF Pumps, LT Panels, ATS panel, Valves, cable, WTP equipment like Chlorine dosing system, alum dosing system etc.*
* ***Installation of Instrumentation equipment like electromagnetic bulk flow meters, Pressure transducers****, level sensors, Turbidity analyser, pH analyser, Residual Chlorine analyser etc.*

1. **Worked as Plant Manager in Orange City Water Pvt Ltd (A joint Venture of Veolia water France and VIL India) from April 2014 to Oct 2015**

***Job profile:***

* **Liaising with various bodies and individual including local authorities, government agency, contractors, residence, suppliers, technical experts and other consultants.**
* *Handling day-to-day operation and maintenance jobs of Water treatment plant of capacity 240 MLD areas & troubleshooting with team Member.*
* *Maintenance of Various* ***Powers Control Centre, Motor Control Centre & Various Lightning Control Centres.***
* *Trouble shooting & maintenance of HT Motors up To 6.6 KV & HT breakers.*
* *The objective of rehabilitation of water treatment plant of 240 MLD WTP.*

*To prepare the techno-economical feasible action plan to optimize the energy consumption.*

* ***To carry out flow and pressure measurement and submit the detailed reports to clients.***
* **Look after all RA billing and contractor billing at sites.**
* *Erection & commissioning of Electro-mechanical equipment like VT & CF Pumps, LT Panels, ATS panel, Valves, cable, WTP equipment like Chlorine dosing system, alum dosing system etc.*
* *Installation of Instrumentation equipment like electromagnetic bulk flow meters, Pressure transducers, level sensors, Turbidity analyser, pH analyser, Residual Chlorine analyser etc.*
* *Preparation of Work Methodologies.*
* *Ensures compliance to processes, quality, and safety and industry standards during construction period.*
* *Coordinates with respective government authorities regarding clearances and approvals.*
* ***Condition assessment of Bulk supply system (Intake work, Jack well, Rising Mains, WTP, and Pumping stations).***
* *Preparation of rehabilitation work report based on condition assessment and Execution of rehabilitation work.*
* *Preparation of Detailed BOQ, RFP for rehabilitation work.*
* *Carry out the necessary survey for baseline exercise & establishment of baseline values for WSS and achieving the performance targets considering the baseline.*
* ***Preparation of resource plan containing consumable, spare parts and chemicals required for annual repairs & maintenance.***
* ***Preparation of Asset register, Implementation plan for effective operation and maintenance, leakage control and asset management & SOP for Pumping machinery.***
* *Preparation of schedules for periodical maintenance, inspection and implementation the same.*
* *Planning, execution and maintaining the Bulk Supply assets in good working condition in compliance to quality standard, cost effective, safe and efficient manner.*
* *Tracks and monitors the critical equipment availability. And planning for reducing the downtime of critical equipment.*
* *Generation of reports, graphs, trends and similar data to track performance goals, manage facility usage, and track equipment history and repair costs.*
* ***Effectively handles the contractors, suppliers and related issues.***
* *Ensures the effective delivery of objectives laid down in the contract.*
* *Ensures compliance to statutory and labour laws as per the Industrial Act.*
* *Handling day-to-day operation and maintenance jobs of Water treatment plant of capacity 240 MLD areas & troubleshooting with team Member.*
* *Maintenance of Various Power Control Centre, Motor Control Centre& Various Lightning Control Centres.*
* *Trouble shooting & maintenance of HT Motors up To 6.6 KV & HT breakers.*
* *Project Planning, execution and commissioning of Plants.*
* *Technical Coordination and Coordination with Sub Vendors.*
* ***Vendors Development and Technical feedback to design department.***
* ***Involvement in Erection & Commissioning Activities of sewage treatment*** *plant.*

1. **Worked as a Manager construction- Electrical in L&T Water & Renewable Energy IC from July 2013 to April 2014.(Mega Lift irrigation project in Orissa in which O&M of water treatment plant, intake well’s, pumping stations. Clear water and raw water.**

* Installation of VT pumps in intake well’s and substation for intake wells Mega lift irrigation system for Orissa government lift irrigation project**.**
* Planning, execution and maintaining the Bulk Supply assets in good working condition in compliance to quality standard, cost effective, safe and efficient manner.
* *Trouble shooting & maintenance of HT Motors up To 3.3KV & HT breakers.*
* Technical Coordination and Coordination with Sub Vendors.
* **Vendors Development and Technical feed back to design department.**
* **Look after all RA billing and contractor billing at sites.**

1. **Worked as Deputy Manager in KIVAR ENVIRON PVT LTD (plant ELECTRO-MECHANICAL in charge of 77M.L.D.**Water treatment plant, **OHT’s,** raw water pump house, clear water pump house and looking after all electrical and mechanical activity.)From June 2011 to June 2013.

* **Operation and Maintenance of Water Distribution Network of whole scheme, OHT’s, Pipe line and distribution line and coordinate with different department to carry out different activity.**
* While working with WTP have some work with SWM (solid waste management) system for a certain period.
* **Daily monitoring of flow and Pressure Data and preparation of reports for client submission.**
* Development of distribution network management strategies, rehabilitation plan to convert the intermittent water supply to continuous water supply.
* Implementation of management strategies, Rehabilitation work successfully and converted the intermittent water supply to continuous water supply.
* Make draft of SWM (solid waste management) report for City like Bhilai, Durg, and Raipur.

1. **Worked as an Assistant Manager (project & Maintenance) in Ambuja Cements ltd. Bhatapara from May 2008 to May 2011.**
   * **Managing operations of electrical systems, equipment & utilities in manufacturing facilities, power plants with proven abilities in reducing downtime and enhancing operational efficiencies of the same.**
   * **Leading a team of engineers, supervisors & sub-contractors**.
   * Coordinating for field design & engineering issues.
   * Supervising installation and commissioning of equipment, followed by plant trial runs. Preparation of cable scheduling.
   * Skillful in enhancing systems to bring greater cost efficiency levels & energy / power reductions.
   * Successfully provided valuable suggestions for efficiency enhancement.
   * Excellent communication, relationship management & organizational skills.

* Responsible for commissioning, operation and maintenance, trouble shooting of all switchgear and transformer.
* Maintenance up to 11kv, 6.6kv, switching system and associate transformer, protection relay, MCC, lighting controls, circuit breaker and related distribution system.
* Commissioning and maintenance of ACB, VCB, Vacuum contractors, isolators, and MCCB.
* Maintenance of AC and DC UPS system, related battery bank and battery charger.
* Coordinate with operation process team while commissioning and maintenance start up the process plant.

1. **Worked as an Engineer in JAYASWAL NECO industries ltd, Raipur, From Mar’04 – Feb’08.**
   * Operation & maintenance of HT transformers, power plant / sub-station.
   * Experience in PCC, MCC & lighting panel.
   * Able to read engineering drawings like, electrical cable, earthing& lighting layouts, MCC drawings-SLD, control wiring drawings etc.
   * Planning of necessary spares, inventory control and out source follow-up.
   * Work allocation to contract personals and follow-up of jobs.
   * Erection, testing and commissioning of transformers, generator & HT < panel boards.
   * Erection, testing & commissioning of M.V panel boards, sub panel boards, lighting, power, UPS distribution boards, and L.T & H.T cables.

## Key Deliverables

#### Operation &Maintenance-Production Management

* **Manage 240 MLD, 150 MLD and 77 MLD Water treatment plant’s (SCADA system), lead the WTP and maintain the O&M-Production.**
* **Ensure the plants and all its unit operate at all times in compliance with the agreed contract.**
* Take daily rounds of each machinery, equipment and process of WTP.
* Report relevant information, particularly in the event of non-conformity.
* Ensure that the plant is operated and maintained within the budgetary allocation.
* **Plans and coordinates activities of workers in operation and maintenance of waterworks system to ensure adequate water supply for human consumption.**
* **Look after all RA billing and contractor billing at sites.**
* **Managing operations of electrical systems, equipment & utilities in manufacturing facilities, power plants with proven abilities in reducing downtime and enhancing operational efficiencies of the same.**
* **Leading a team of engineers, supervisors & sub-contractors**
* Schedules and coordinates activities concerned with processing and distributing water.
* Determines action to be taken in event of emergencies such as machine, equipment or power failure, or need to release dammed water to affect flood control.
* Prepares plans and specifications for new equipment or modification of existing equipment to affect increased operational capacity or efficiency.
* Reviews and evaluates water reports, records, logs, and graphs to confirm adequacy of present and projected water needs.
* Implementing plans & schedules for Maintenance of Plant, Electrical Mechanical & Instrument Systems & Equipment, Utilities etc. with focus on optimum utilisation of manpower and material.
* Operation and maintenance of **Power Plant,** M.C.C., P.C.C., 33KV Substation, SF6Circuit breakers, VCB’s & ACB’s.
* Analysis of major breakdowns on control system and recommend & implement necessary steps to avoid reoccurrence of incidents. Modification activities for improvement of plant reliability and stability. Inventory control and spare management for all electrical equipment’s.
* Managing the functions of troubleshooting and preventive / breakdown / shutdown maintenance so as to reduce downtime to minimum & ensure reliability.
* Executing Energy saving& other cost saving measures with suitable modifications in processes.
* Handling maintenance of E.O.T. Cranes, Raw Material Handling System, and Electrical Switchgear.
* Electrical maintenance EOT cranes up to 55 MT.
* Maintenance of various field instruments & APFC panels.
* Maintenance of HT and LT Side breakers, Transformers & 33 KV substations.
* Handling Manpower and arrange material as per requirement of plants maintenance.
* Electrical safety and LOTO system.
* Scheduling planning and executing predictive, preventive and breakdown maintenance job in all rotating and stationary equipment’s with key focus on spares availability, root cause analysis, breakdown data collection.

#### Installation & Commissioning

* Cement plant project done in **AMBUJA CEMENT LTD BHATAPARA**, and also done a**project**in pellet plant in steel plant, and also string **33/.4 KV transmission line** with **5 MVA** transformer **substations.**
* Electrical In charge of Coal Crusher and Lime Stone Crusher of twin drive H.T. motor and Lime Stone, Coal and Additive Stacker and Reclaimer.
* Responsibility for the maintenance and overhauling, Operation & Maintenance of Protection Relay.
* Handle maintenance of ACB, VCB, MOCB, OCB and Vacuum Contactor H.T. Feeder identified problems in electrical circuits and rectified them; minimized downtime.
* Over Hauling done at site of H.T. Motors.
* Over Hauling done at site of DC Motors.
* Over Hauling done at site of L.T.Motors
* Handling Installation & Commissioning of Draw out Switchgear.
* Erection, Testing, Commissioning, Operation and Maintenance of, 132 KV switchyard, Transformers of capacity 40 MVA (132/11KV).
* Identifying project bottlenecks and undertaking corrective measures.
* Ensuring effective site management and discipline to ensure safe & timely execution of the projects.
* Supervising installation and commissioning of Equipment, followed by plant trial runs.

**ACADEMIA**

* **ADPM (Advanced Diploma in Project Management)-With 75.2% From ISBM PUNE (INDIAN SCHOOL OF BUSINESS MANAGEMENT) In 2013.**
* **BE (Electrical)** from M.P.C.C.E & T, Bhilai in 2004 (**Secured 70%)**
* **Diploma in Electrical Engineering** from Govt. Polytechnic Ujjain (M.P) in 2001 **(Secured 76.38%)**
* **Class XII** from Vidhyapeeth Hr. Sec. School, Durg in 1996 **(Secured 56%)**
* **Class X** from Vidhyapeeth Hr. Sec. School, Durg in 1994 **(Secured 61%)**

**ACADEMIC PROJECT UNDERTAKEN**

* **Title**: **Model for Power System**
* **Highlights:** A project report on Substation which includes generation, transmission & distribution

**SUMMER INTERSHIP**

In Bhilai Steel Plant at ERS (Electrical Repairing Shop) & MSDS II

**COMPUTER PROFICIENCY**

* Operating system: WIN 98, WIN XP, Windows7,Windows10
* Working Knowledge: **SAP (**PM and PS module.**), ERP.**
* Packages: Ms Word, Ms excel, power point.

**PERSONAL VITAE**

* Date of Birth: 6th June 1979
* Passport No: M9838394
* Address: Behind Masjid Kelabadi Durg, C.G – 491001.