SHAMEER POKKADAN

PLANT/ SITE OPERATION AND MAINTENANCE

WATER TRANSMISSION AND WATER DISTRIBUTION

shameerali048@gmail.com

Mob: +918547251103

SUMMARY:

A Dynamic professional with 6+ years of valuable experience in the field of Water Transmission and Water Distribution Plant. Work with Mechanical/ Electro Mechanical pumping station Auxiliaries.

Qualification Highlights:

* Bachelor’s Degree in Mechanical Engineering (Jawaharlal College of Engineering, Kerala.) 2013.
* 5-7 Years of experience in Large Water Transmission and Water Distribution system
* Certificate in Piping Engineering, HVAC,
* Work experience in AutoCAD 2D & 3D
* Proficient in MS Office – 20 Years of Experience

Work experience summary:

PUMPING STATION SHIFT IN CHARGE– Federal Electricity & Water Authority, UAE - **2015 Sept to January 2019).**

Pumping station operation, maintenance, installation and inspection of various Electro-mechanical equipments and instruments used in Pumping station, centrifugal pumps, different valves, instruments, flow meters, pressure gauges, water quality instruments, irrigation pumping plant and potable water pipeline distribution, control instruments and units, Tap Off system, Flow Control Valve, Remote Terminal Units.

Control room operation (SCADA/PLC /HMI) System, VFD Controlled induction motors, and large Centrifugal Pumps, Booster pumps, service pumps, Fire n Safety pumps.

MECHANICAL SHIFT ENGINEER (kairali steel Production plant, Operation and Shutdown Maintenance of Induction furnace, Reheating furnace. Working experience with cooling tower, centrifugal pumps, flow meters, Pipe lines, valves, Calibration of Instrumentation equipments.) **(2012 May to 2015 April)**

* Potable water transmission and distribution pipeline (SCADA Controlled System)
* Water Storage and Distribution, huge reservoirs (10Mig\*3, 4Mig, 3Mig), maintenance of tank level meter and indicator, delivery automated valves (AUMA), Level sensor.
* Pipeline line inspection through SCADA and onsite maintenance for faulty leakage valve
* Faulty valve or valve-actuator replacement.
* Installation operation Surge Vessel 16 Bar, 10m \*4 water level indicator, inlet and outlet valves, solenoid valves, surge vessel compressor, safety and drain valves.
* Inspection of flow meters, pressure gauges, and supportive sensors.
* Inspection of different type of valves and instruments in the pumping station like butterfly valves, suction and discharge valves, automated valves (AUMA 800mm), solenoid valves, Flow meters, Pressure gauges (Analog and Digital).
* Inspection of Pumps (Ksb), Induction Motors (ABB), Remote over head cranes, valve chamber flow meters and pressure gauges.
* Inspection of pipeline valves, filters, flow and pressure gauges, sensors, various piping joints (dismantling joint, T joint), different suction and delivery parameter gauges( minimum flow, Pressure and cut off Pressure gauges).
* Operation, inspection and maintenance of water quality instruments for PH, Conductivity, chlorine/chemical content, TDS.
* Work with different type of pumps in pumping station like centrifugal pumps, booster pumps, service irrigation pumps, fire and safety pumps.
* Optic cable laying and installation, cable tray aligning.
* Auxiliary compressor OM, oil change, dust cleaning.
* Operation and maintenance of different cooling / exhaust fans in pump room, battery room

Inside Pumping Station experience:

* Control room operation SCADA/DCS (Siemens) plant supervision, PLC, HMI. Work with VFD (ABB ACS1000i) MV 315KW, MCC to start pumps. Acknowledge different pumping station alarms, HVAC control, and Different panels for DB, Valves, MCC.
* Work and inspection with different sensors in the pumping station, temperature sensor, humidity sensor, fire and safety supportive sensors.
* Operation with different control panels, fire and safety addressable panels, HVAC control panels.

*Extensive computer software knowledge for report making, issue work permit, table-list making, analyzing report, memo etc.*

SKILLS AND KNOWLEDGE:

* Knowledge of Water treatment like chlorination, SWRO (sea water reverse osmosis), Ultra filtration, DAF (dissolver air filtration), MBR based water treatment.
* Experience in Pressure water distribution, Flow Control Valve operation to attain desired flow and sustainable pressure in the pipeline.
* Experience in performing maintenance on and troubleshooting pumps, SCADA systems and water treatment facilities.
* Experience in Acknowledge various Pumping station Alarms for safety.
* Experience taking samples in water distribution or treatment facilities.
* Experience working in a multicultural environment.

DETAIL WORK EXPERIENCE:

* To carryout operation and switching of Pump Station Mechanical Primary Equipment. And Ensure proper functioning of compressor to maintain pressure inside the surge vessel
* Prepares and maintains accurate, clear, and concise records, files, and reports, check and monitor pumps, blowers, compressor, level transmitter, flow transmitter and float switches.
* Record details of alarm or relay operations signals, incidences during faults and report to Head of Pump Stations Section Senior Engineer as appropriate.
* Respond to different types of pump station alarm in a timely manner. Acknowledge, record and reset alarms and inform relevant personnel as required.
* Conduct first response troubleshooting and fault finding following alarms or supply interruption due to operation of protective devices.
* Turn valves and start pumps to start or regulate flows of water through pipes to destination places
* Connect hoses and pipelines to pumps and vessels prior to material transfer, using hand tools
* Clean, lubricate and repair pumps and vessels using hand tools and equipment
* Plan movement of products through lines to processing, storage and shipping units, utilizing knowledge of interconnections and capacities of pipelines, valve manifolds, pumps and tankage.
* Control HVAC panel to ensure proper cooling inside control room
* Proper cleaning and ensuring safety procedures in important control room areas like electrical rooms, MCC, DCC, Switchgear, Circuit breaker, LV & MV rooms, battery rooms, pump room are situated.

PUMPING STATION MAINTENANCE WORKS

* Prepare maintenance schedule for Pumps, valves, compressor, and other Utilities.
* Greasing pumps, lubricating compressor, Inspecting valves for leakage and fault.
* Inspecting Damaged LV electrical equipments and reporting to electrical engineer.
* Maintenance on pump alignment, bearing temperature, vibration analysis.
* Maintenance on other water service pumps and booster pumps used for irrigation.
* Cleaning pumps and related Utilities using Air Compressor blower.
* Preventive maintenance works on fire panel, fire and alarm circuits.
* AC and compressor maintenance works to ensure enough cooling inside control and electrical rooms.
* Analyze electrical diagrams to find out faulty switch and circuit breaker.
* Study and Analyze OM –MANUALS if necessary during maintenance works.
* Test chlorine level, PH, Conductivity of sample water.
* Compare Totalizer Values of FCV’S and SCADA Reading for Calibration.

SHIFT ENGINEER – STEEL PRODUCTION PLANT (2012 May To 2015 April)

* Automation Control Room PLC operation
* Production line work Supervision
* Check faulty motors ,generators for maintenance
* Operation and Maintenance of Multi Stage Centrifugal Pumps, Slurry Pumps,
* Pipeline connections and fittings Repair and Maintenence
* Production line and maintenance operation
* Shut down maintenance including furnace maintenance
* Controlling the production line using **PLC, and Automation**
* Control room operation
* Quality control of the final steel bars using standard material testing procedures
* Ensuring proper strength of reinforced bars using Universal Testing Machine.

**Personal details:**

AGE 30 Years

Father’s Name: Abdul Rahiman

Sex: Male

Marital Status: Married

Dependants : 4

Nationality: Indian

Passport No: L5491540

Date of issue: 21/11/2013

Date of expiry: 20/11/2023

**Visa Status: Visa Cancelled, Ready to Join Immediately**

Languages Known: English, Arabic (Beginner) & Hindi

Address: Pokkadan house, Puthupparamba P.O., Kerala, 676501

India – 676501

INDIA CONTACT: +918547251103/0483-2751103

**Declaration:**

I hereby declare that all the information furnished above is true and exact to the best of my knowledge and belief.

**Date: 07 -06-19**

**Place: INDIA SHAMEER POKKADAN**