**MUHAMMED AURANGZEB**

Saudi Aramco Approved: **instrument Calibration Technician**

**CURRENT DETAIL: Lahore Pakistan.**

**MOB.NO: +92-3014768977**

**E-MAIL:** **m.aurang42@yahoo.****co.uk**

* **OBJECTIVES:**

Seeking a challenging career that will enable me to utilize my competence to work with the growth oriented organizations, which adequate utilizes my strong analytical and technical skills

* **TECHNICAL QUALIFICATION:**

**Diploma in Electronic Technology (3 years)**

 From Sargodha polytechnic Institute at the year of 2007
**Matriculation (SSC) board**

 Of examination from Hyderabad, Pakistan at the year of 2004

**Computer Skills**.
Operating System: Windows, Office Automation.SAP
Office Packages: MS Office (MS word, MS Excel. MS Power Point)

 **Additional Gained Trainings**
 Authorized permit receiver course.
 Many plant & safety related training from different plants.
 Bentley Nevada vibration monitoring system (MMS 3500)

* **Professional Experiences:**

 Over 07 years working experience in instrumentation & control in Commissioning and maintenance fields in oil & gas, Petrochemical & Refinery plants.

* Worked as a Instrument Calibration & Commissioning Supervisor in **Saudi Aramco Wasit Gas Plant Project Package-1 Inlet Facilities, Gas Treatment & Flare** with SK engineering & Construction since April 2012 to July 2015.
* Working as Instrument Technician Maintenance in **Saudi Chevron Phillips Polymer Plant,** since FEB 2010 to FEB 2012.
* Worked as Instrument Lead Technician Commissioning in **SATORP** Jubail Industrial City KSA, through SK Engineering & Construction, Since June 2008 to Feb 2010.

 **Maintenance Activities:**

* Well-known with the plant running, predictive, preventive, Breakdown and Corrective Maintenance.
* Working in DELTA-V, SIS and AMS system including commissioning, Decommissioning and troubleshooting of (HART & FF) instruments.
* I have involved in major activates of commissioning, start up and troubleshooting during plant shut down & turn over work.
* Perform PM and CM jobs as per planning & operation notifications.
* Servicing and calibration of Control Valves, Pressure safety valves and On-Off valves of different makes, (Fisher, Rotork, Neles, valtek, etc…).
* Troubleshooting of ESD logics related t of ON/OF valves
* Involved in Start up and sequence troubleshooting of BMS system and flame detector (UV & IR).
* Calibration and Troubleshooting of pressure, Temperature, Level and Flow Switches, I/P Converters, Pressure, Temperature and Level Gauges.
* Special Type of transmitters like Capacitance type level transmitters, Radar type level transmitters, guided wave radar, NUCLEAR level transmitter and level switches.
* Working and troubleshooting on Bentley Nevada 3500, series.
* Adjustments of Radial, Axial, and key phaser / thrust probes.
* Experienced in Compressor related instruments, with Elliot Ebara, Kobelco, compressors.
* Good experienced in difference types of rotating equipment like gas & steam turbine, turbo expanders.
* Troubleshooting of Turbine, Compressors instrumentation, interlock checking, anti-surge Valve servicing, Controller configuration, Lube Oil & Seal Oil.
* Calibrating and troubleshooting of weighting system.
* Field Engineering, Assisting in Modification of system design (Internal panel modification, addition of modules in Panel) as requirement.
* Performs preventative and corrective maintenance on test apparatus and peripheral equipment use for calibration.
* Inspects equipment, structures, or materials to identify the cause of errors, problems or defects
* Development of procedure for performing calibration, installation and commissioning related activities.
* To calibrate all process & oil field related instruments. Changing spear parts. Making calibration reports. Day-to-day activities reporting to instruments manager.
* Well-known all types of (hart & field bus) devices.

**PRE-COMMISSIONING & COMMISSIONING ACTIVITIES**

* Responsible to organize and prepare commissioning documentation and writing procedure.
* Co-ordinate, & be a key player in, Factory & Site Acceptance Tests.
* Generate status report of all instruments that are not yet ready for commissioning and possible punch list that may notify by client.
* Performing the Site Acceptance Test for the DCS & Control room Panels.
* Powering up of all Control panels and DCS workstations.
* Monitoring all Loop Checking activities. Review of approved loop packages and co-ordinate with SAPMT and DCS Vendor to ensure integrity of the loops and tracking of the loop test progress.
* Review and update pre-commissioning plan accordingly with QA&QC system and client standards.
* Perform of signal simulation and functional loop testing of field instruments with the coordination of Boardman on DCS console to obtained and confirmed of those I/O signals.
* Involved in pre-Commissioning activities DCS loop checks, DCS, ESD, VMS, F&G system and PLC logic tests And troubleshooting work.
* Review of approved loop packages and co-ordinate with SAPMT and DCS Vendor to ensure integrity of the loops and tracking of the loop test progress.
* Performing of control loop checking, calibration, recalibration, troubleshooting, verification, rectification, modification and simulation of various instrumentation and control instruments.
* Supervised Testing of fire alarm, smoke detector and heat protector.
* Involved in Pre-commissioning and commissioning of new process, DCS system and Fire & Gas Systems.
* Overhauling servicing and calibration of various types of Control valves, ON-OFF valves and MOV.
* Preparing daily progress report.
* **System Knowledge:**
* DELTA V SYSTEM (EMESRON PROCESS MANAGEMENT).
* FOXBORO INVENSYS I/A SERIES.
* HONEYWELL EXPERION (PKS & TDC 300).
* BENTLY NEVADA 3500.
* SAFTEY INSTRUMENT SYSTEM (SIS).
* TROCONEX TMR (ESD/F&G)
* Experience in maintenance, operation & troubleshooting of Siemens, Foxboro Invensys DCS, SCADA and ESD system and Bentley Nevada vibration monitoring system MMS.(3500 monitoring system).
* **Personal Information:**

 **Father name : Shoukat Ali**

 **DOB : 19-03-1988**

 **ID no : 38401-9187881-1**

 **Gender : Male**

 **Marital status : Single**

 **Religion : Islam**

 **Language Known : English, Arabic, Urdu.**

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