**Instrumentation & Control Engineer**

NAME : KHAN ABU SALIM

NATIONALITY : INDIAN

DATE OF BIRTH : 9thJuly1986

PLACE OF BIRTH : MUMBAI

MARTIAL STATUS : Married

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TECHNICAL EDUCATION : 4 YEARS DEGREE IN (Electronics Telecommunication)

WORKING EXPERIENCE : 12 Years

**SKILLS**

* Comprehensive knowledge of instrument & Control codes and specifications.
* In-depth knowledge of instrument design, specification and documentation.
* Excellent analytical, logical and troubleshooting skills.
* Possess excellent organizational, management and communication skills.
* Proficiency in Computers, MSOFFICE, NAVIGATION, SAP, PROJECTWISE SOFTWARE.
* Self confident in successfully handling the assigned tasks & responsibilities and completing that within the allocated time frame.
* Successfully completed training in Supervisory Skills, Fire fighting & first aid.

**Experiences Summary**

1. **Doosan Heavy Industries & Construction Co: From 1/5/2017 to 17/12/20**

**As a Maintenance Engineer DCS (Distributed Control System): SPPA-T3000**

**In JUBAIL (RAS AL-KHAIR) Power & Desalination plant SWCC (SALINE WATER CONVERSION CORPORATION JUBAIL KSA)**

**Job Responsibility:**

**Maintenance of Siemens Sppa-T3000 system.**

* Configuring, Monitoring & Maintenance of Automation Server, Communication server & Application server (Stratus 4500).
* Configuring, monitoring & maintaining application Highway & Automation highway through Scalance (Ethernet Switch X-212-2, X-204-2) through lan cable (Local Area Network) & FO cable (Fiber optic).
* Configuration, Modification, Mapping & addressing of signal from spare module point.
* Configuring & testing new logic for maximizing plant production and reducing input cost.
* Commissioning of vibration monitoring system of **Bently Nevada 3500.**
* Maintaining record of all turbine related instruments such as pressure switches**,** Transmitter, Spark plugs, burner, wheel space thermocouple, hazardous gas detectors of Bentley Nevada, hydrogen analyzers during operation.
* Testing & calibrating of all Pneumatic, Hydraulics, & Motorized Controllers.
* Attending all type of inspection such HGPI (Hot Gas Path Inspection), COMBUSTION Inspection, ANNUAL maintenance (overhauling) etc.
* Operating & maintaining data of all plant metering related to import & export of Natural Gas, Electricity, water & fuel oil.
* Maintenance & Calibration of all flow meter related to plant metering.
* Preparing all data sheet for isolation during annual overhauling.

1. **Hyundai Engineering & Construction Co: From 21/03/2016 to 01/03/2017 as a Commissioning Engineer DCS (Distributed Control System): SPPA-T3000In Mirfa Independent Power & Water Company (MIPCO) Abu Dhabi (UAE).**

**Job Responsibility:**

* **Testing & Commissioning of Siemens SPPA-T3000 System.**
* Loop checking, Logic checking & Functional check of all field related instrument.
* Mapping & addressing of signal through signal list.
* Operation & commissioning of all electrical panels such as Transformers, Switchgear, GCB and MCC etc.
* Operation & commissioning of all Bop (Balance of Plant) such as ACW PUMPS, CCW PUMPS, and SEA WATER PUMPS ETC.
* Checking all the channel assignment as per DCS I/O list.
* Preparing as built for the IWD & discussion with engineering for the same.
* Established Communication of DCS SPPA-T3000 for whole plant.
* Testing & commissioning of field related instrument.
* Loop checking logic checking of all field related instrument.
* Commissioning & operation of process instrument with their logic and permissive.
* Testing & operating all the Engineering parameters as per design.
* Inspection and Witnessing with client OE (Owners Engineer).
* Successfully completed training in Supervisory Skills, Fire Fighting & First aid.

1. **SEC Saudi Electricity company: From 24/3/2013 to 22/1/2016 as a**

**Generation Engineer:**

Job responsibility:

* Operation & Maintenance of GE 7FA 150mw turbines.
* (TCP Turbine control panel of GE Mark Vie, Mark VI, Mark V), Hydrogen generation plant & Fox boro DCS etc.
* Maintaining record of all turbine related instruments such as pressure switches**,** Transmitter, Spark plugs, burner, wheel space thermocouple, hazardous gas detectors of Bentley Nevada, hydrogen analyzers during operation.
* Testing & calibrating of all Pneumatic, Hydraulics, & Motorized Controllers.
* Attending all problems regarding Turbine (plant) trip or shutdown.
* Attending all type of inspection such HGPI (Hot Gas Path Inspection), COMBUSTION Inspection, ANNUAL maintenance (overhauling) etc.
* Operating & maintaining data of all plant metering related to import & export of Natural Gas, Electricity & fuel oil.
* Maintenance & Calibration of all flow meter related to plant metering.
* Preparing all data sheet for isolation during annual overhauling.

1. **Arabian Bemco contracting co (EPC): 4-9-2010 to 22/12/2012.**

**QURAYYAH COMBINE CYCLE POWER PLANT (QCCPP) from 27-8-2011 to 22/12/2012.**

**START-UP&COMMISSIONING ENGINEER**

* Job responsibility: Commissioned & Start-up done for all Plant which include (Demin plant, Remin plant, Electro chlorination plant) HRSG (HEAT RECOVERY STEAM GENERATOR)
* Hot loop & cold loop checks done for all field related instrument in Boiler & Turbine
* Including Motorized & Control valve (Ball Valve, Butterfly valve, needle valve, Motorized valve) etc.
* Successfully Commissioned GE MARK 6E Dcs.
* Commissioning done for ABB Silica analyzer, Bed polisher vessel.

**RIYADH POWER PLANT 10 from 4-9-2010 - 26-8-2011.**

**Worked with Bemco Services in Co-Ordination with GE as**

**Testing Commissioning Engineer**

* The nature of involves in Testing Commissioning of Crude heater panels.
* Hot loop & cold loop checks of all field related instrument.
* Interlock Testing of turbine instrument through LCR (Local control Room).
* Commissioned GE Mark VIE DCS.
* Commissioning, Testing & calibration of all field related instrument in Turbine.
* Raising RFI (request for inspection) attending punch list meeting.
* Testing & commissioning of MCC (motor control center), Electrical motor (150-350 hp).
* Calibrations of Transmitter (Pressure, Level, Temperature &Flow).
* Solving all issues with client up to final walk down.

1. **MIRAJ INST PVT LTD (INDIA) 5-1-2009 - 30-8-2010.**

**START-UP&COMMISSIONING ENGINEER**

* Calibration of field instruments.
* CALLIBRATION & COMMISSIONING of all control valves in BOILER, TURBINE & MILL AREA.
* Hot loop & cold loop checks of all field related instrument.
* Alternately continuing with the maintenance with of unit 1 boiler & turbine area.
* Assisting operations in startup activities.
* Installation, Inspection, testing, calibrating and commissioning of process control instruments like (Pressure, flow, level, temperature etc.) I/P Converters, temperature/pressure switches. Control valves & Positioners.
* Familiar with field instruments like Yokogawa, Rosemount, ABB, etc.
* Testing & calibrating of all Pneumatic, Hydraulics, & Motorized Controllers.

1. **N.E.I (OMAN) 10-9-2008 to 30-12-2008**

**TESTING ENGINEER**

* Troubleshooting in production line.
* Electrical & Electronic calculation of capacitors, technical data collection, material selection technical review, after manufacturing testing of panels &instrument.
* Reading of diagrams such as (control, power single line diagram) preparing as built drawing for the same.
* Preparing document as per company requirement. (Such as test certificate, job card etc).

**INSTRUMENTS & SYSTEMS HANDLED:**

* Installation, commissioning& maintenance of **GE- MARK VI, and MARK Vie, Mark V System**.
* Performance test for **GE Frame 7EA, 7FA Turbines.**
* Able to carry out technical evaluations of vendor offers, checking of vendor drawings, PLC, DCS and relay cabinets and various instruments.
* Commissioned ABB Silica analyzer, Bed polisher vessel.
* Commissioned **SPPA-T3000 DCS.(Siemens)**
* Vibration monitoring system of **Bently Nevada 3500.**