**RESUME**

.MANIKANDAN

**PROFILE**

Above 21 years of experience in Instrumentation & Control Systems Experienced in Maintenance Construction, Pre-commissioning, &Commissioning , activities of Instrumentation with in a large Oil & Gas, Petro Chemical and Refinery industry.

**EDUCATION**:

* **M.B.A** from University in 2006
* **B.E** from University in 2002
* **D.E.E.E.**  from Shanmugha Polytechnic.

**PROFFESSIONAL EXPERIENCE**

**PROJECT PETROFAC AUG 18 TO FEB 20**

**INSTRUMENT SUPERVISOR**

Carried out of job for New projects/commissioning, lineup, Loop checking of all field instruments.

Experienced in control valves, on off valves, dampers and Motor operated valves.

Fire &Gas system installation &checking various gas detector like Fire, smoke, Heat, Gas, H2s.

Coordination with vendor for Functional logic Test.

Coordination with operation start-up Team to check all conditions and logics.

Having experience of Foundation fieldbus system (FF) such as Field Bus instrument installation, calibration.

Good knowledge about permit to work system.

Coordinate with stores arrange materials for technicians and maintains spares also.

Attend the top management meeting for technical issues.

Monitor schedule activities ensure all project works are executed safely

**QATAR SHELL GTL PLANT BY MADINA GROUP JAN18 to MAR 18**

INSTRUMENT SUPERVISOR (shutdown)

Schedule planning instruction and executing of shutdown jobs of ASU (Air Separating Unit) in TRAIN1 instrumentation activity(flow level, temp,pressure transmitter cross checking) which includes control valves dismantling, assembling of control valve and stroke checked.

**KUWAIT OIL COMPANY BY GULFSPIC KUWAIT** **Mar 15 to SEP 17**

INSTRUMENT SUPERVISOR (MANITENANCE)

Carryout Running maintenance of Booster station (which includes compressor), manifold and Preparation of Material requisitions, for the instrument Have a knowledge of different types control valves and fully overall procedure. Understand setup of control valves and loop testing understand setting up overall control valve loop testing

Organize maintenance of Electrical and Instrumentation as per schedule and attend to breakdown maintenance, if any.

Supervises the activities of assigned personnel. Performs supervisory functions and excesses financial authorities established by management for this level

Supervises and directs the execution of planned and breakdown maintenance and repairs of all instrumentation control systems in assigned field.

Retrieves monthly maintenance plans from 3Ms; sets weekly schedule and prepares daily activities.

Sets priorities and endorses Hot and/or Cold work permit in conjunction with operations.

Ensures availability of adequate manpower, materials, spares, tools, and test equipment guided by standard procedures.

Provides technical direction to subordinates on fault finding diagnoses and repairs.

Inspects work progress/completed work through site visits and/or review of work records to ensure proper and timely execution.

Adjust work schedules to accommodate urgently required work and follows up receipt of work orders upon completion of repairs procedures

Updates all equipment and plant maintenance records by inputting activities in the 3Ms system

Plans and supervises the execution of all major overhaul work on all instrument/ control and related systems

**Qatar petroleum degassing plant, Qatar Dec14 to Feb 15**

INSTRUMENT ENGINEER (COMMISIONING) by DOPET

Study of existing systems and the requirement as in the scope

Pre- Shutdown activities forward planning without affecting the schedule

Construction activities co-ordination plan with End user, Main Contractor and Sub- Contractor

Inspecting the construction activities in liase with the procedure and compliance with end user requirements

Getting clearance certificate after completion of construction at site outdoor and indoor

( control room) facilities

Liase with end user for the TSF arrangements to complete in a smooth manner based on the requirement

Existing system hardware replacement without affecting the running plant

Control room cabinet installation and replacement with different base frame

Carrying out construction activities internally with approved PTW with in the schedule

Co-coordinating with site engineers to complete task on time

Conducting SAT / Pre commissioning activities before shutdown

Shutdown plan schedule with organization chart as per the planned execution

Organizing team to continue smooth running of the shutdown activities as per the schedule

Successful completion plan of shutdown for a scheduled start-up of plant

Post shutdown plan to complete the shutdown punches

Testing and Commissioning and troubleshooting of Emerson DeltaV DCS, SIS and F&G system.

Upgrading Delta V system and integrate third party system.

Erection & commissioning of new DCS, PLC.

Calibration and Loop checks (Field side & system side)

Preparation of Engineering Data base from P&ID

P&ID verification with Scope of Works.

Preparation Termination details, JB Interconnection conventional and System Cables schedule.

Preparation of Factory acceptance test procedure (FAT) & Site acceptance test Procedure (SAT) .

Preparation of commissioning procedure, commissioning plan and commissioning dossier.

Field Loop Checking for Process I/O tags includes (DCS, ESD&F&G).

Calibration of field Instruments such as Pressure and Level switches, Pressure

Transmitters, Temperature Transmitters, RTD / Thermocouple, Flow and Level Transmitters and

Control Valves.

Loop Checking (Pre-FAT, FAT and SAT) for ESD & F&G system.

Preparation of Field Cable Block Diagram, System Cable Schedule and JB-Inter Connection Diagram (DCS, ESD &F&G).

**IBN sina, Saudi Arabia (shutdown) March 13 to April13.**

INSTRUMENT ENGINEER

Schedule planning instruction and executing of shutdown job of instrumentation activity which includes different types of control valves and safety valves of methanol plant.

**Maaden Phosphate, Saudi Arabia** **May 12 to Oct 12**

INSTRUMENT ENGINEER

Preparation of job instruction and analysis of changes of instruments and supporting to process modification acitivitity of SAP, PAP and utility plant.

**NAGARJUNA OIL CORPARTION LTD, Cuddalore Sep 2009 to Oct 2011**

SENIOR INSTRUMENT ENGINEER (site)

Prepare Punch list for finished work prior to hand over to contractor and ensure the same is cleared.

Assist / witness in mechanical completion pre-commissioning and commissioning activities and sign relevant check sheets.

Supervise work in accordance with established procedures contract specifications and specialized Instrument engineering trade standards.  To be accountable for supervising contractors work in progress inspecting work reporting problems and preventing with Safety Officer on all Safety related issues.

Report and liaise with QC inspector on all QA/QC related issues.

Participate in development of as-built drawings and documentation.

Contractor and Subcontractors coordination with regards of their daily activities (electric, instrumentation job)

Prepare Punch list for finished work prior to hand over to contractor and ensure the same is cleared.

Inspect the new arrival instruments and verify Documents.

Assign jobs to technicians coordinate and execute with persons and finished it and maintain technical reports (equipment history, failure, trend, routine & Preventive Maintenance)

Diagnosis and troubleshooting of system fault at site.

**PROJECT AND DEVELOPMENT OF INDIA LTD, Chennai Aug 2008 to July 2009** INSTRUMENT ENGINEER

Indian oil corporation terminal Automation (Erode, covai)

Coordinate with Installation and commissioning team members conducting tests & inspections to ensure operational effectiveness of plant.

Verify data sheets, Instrument specifications, job procedures, ITP’s, cable schedules, wiring diagrams, layout diagrams, hook-up diagrams, loop and logic diagrams, As-built (Documents and drawings). Review of P&ID’s and all other instrument related drawings.

Prepare and maintain quality records. Participates in Management Review meeting.

Guiding and giving direction to contractor in solving instrumentation problems.

Prepare, submit, monitor and control project technical queries.

Monitor schedule activities ensure all project works are executed safely.

In order to achieve ‘on time’ results including follow up with external sub-contractors and suppliers when required.

**Futura polyester Ltd, Manali, Chennai Sep 2007 to July 2008**

DEPUTY MANAGER (Electrical &Instruments)

* Organize maintenance of Electrical and Instrumentation as per schedule and attend to breakdown maintenance, if any.
* Carryout maintenance of Electrical/Instrumentation systems as appropriate.
* Plan daily/shift department work also handled the shifts.
* Organize inspection andcalibration of Measuring and test Equipments.
* Supervise safe operations of the plant and safety of the operating personal.
* Carryout corrective and preventive action as appropriate.
* Prepare and maintain quality Records. Organize housekeeping.
* Participate in Management Review meeting and in internal Audit activities.
* Ensure maintenance of quality records. Fire and gas detector checking

**Madras Fertilizers ltd. Manali, Chennai Jan1994 to Aug2007**

INSTRUMENT TRAINEE, TECHNICAL ASSISTANT& SUPERVISOR,

(Ammonia plant, urea plant, NPK A, B,C plant, Bagging A,B,C utility plant, 110 Ata Boiler

Reverse osmosis plant, waste water treatment plant.)

**Skill:** check, calibrate and repair pneumatic , hydraulic & electronic instruments and protective interlocks circuits of compressor unit ,NH3 ,urea plant.

* Arranging for attending to punch list jobs well as jobs on daily basis.
* Monitor works closely to ensure quality and report to the Manager.
* Maintain and update the equipment history book.
* Take up maintenance work in the plant on receipt of phone call daily basis.
* Note down all the dimensions and if deviation any and the details of the required replacements and intimate Assistant Manager.
* On completion job information is given to permit issuing Authority and check the performance of instruments after lining up and report to Assistant Manager.
* All the critical equipment as per list are serviced, tested and calibrated and maintain technical reports (equipment history, failure, trend, routine & Preventive Maintenance
* Maintain the daily log sheets and organize the house keeping.

Diagnosis and troubleshooting of system fault at site

**DECLARATION:**

I do hereby declare that all the details furnished above are true to the best of my knowledge.

Place : Chennai

Date :

(MANIKANDAN)

**CONTACT DETAILS:**

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Mobile: 0504973598

**Reference** : Mr. Anup P Bhatia, HR Consultant, Gulfjobseeker.com

**YouTube Video CV**

<https://www.youtube.com/channel/UCdsv_v9Czkx2Dc8bW4Bt4wA>

**View My CV on Gulfjobseeker.com CV Database**

<http://www.gulfjobseeker.com/employer/cv_database_highlighted_cv_freetocontact.php>

**Chat with me Live on Zoom**

<https://zoom.us/j/4532401292?pwd=SUlYVEdSeEpGaWN6ZndUaGEzK0FjUT09>