

INSTRUMENT COMMISSIONING ENGINEER/SUPERVISOR

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About me: ❖ More than 12 years of experience in Instrument & Control Construction, commissioning and maintenance activities within a large industrial organization, preferably in the Oil and Gas, Power generation industry in Onshore and Offshore. Thorough working knowledge and hands-on experience in the field of instrument and control, Electrical Competency in the commissioning, maintenance of control loops, PLC's and DCS, SCADA. Understanding of Testing procedures for relays/equipment and handling engineering equipment. Knowledge about HSE procedures & practices. Scheduling and Co-ordination, Checking, Examining and Recording. Knowledge of SAP systems like Maximo. Contribute to the identification of areas and opportunities for continuous improvement in the operating procedures, modification of functional processes, machinery, or equipment.

● WORK EXPERIENCE

02/2020 – CURRENT – Rajasthan, India

INSTRUMENT MAINTENANCE ENGINEER – LAKSHYA POWER TECH (CAIRN OIL & GAS-VEDANTA LIMITED, RAJESHWARI GAS TERMINAL, RAJASTHAN, INDIA)

Project : Bridge Plant- Rajeshwari Gas Terminal (RGT-BP), Rajasthan, India

- Carry out routine and preventive maintenance work, repair and testing of equipment in line with Standard Operating Procedures (SOP's) and standards to fulfill the requirements of the work request or work order.
- Carry out preventive maintenance activities and participate in the assigned plant shutdown activities and ensure timely completion of job activities.
- Verify completed maintenance activities to ensure that the job is performed as per requirement and complete the maintenance activity sheet
- Carry out inspection and exercise vigilance to identify any developing problem in the area assigned and report any problems.
- Trouble shoot, repair, calibrate and test various types of process control instruments and relay logic, to keep the instrumentation systems as designed.
- Perform preventive and emergency maintenance on all equipment on site as well as during machine scheduled or unscheduled shutdowns to ensure the availability of all equipment in reliable conditions during running and prevent unforeseen trips.
- Perform field and/or system modifications of control elements and/or control loops as per the plant change requests and assist to update all related plant drawings to reflect the actual changes thus enhancing the plant operation in line with the management of change of procedure.

06/2018 – 12/2019 – Al Ahmadi, Kuwait

INSTRUMENT COMMISSIONING ENGINEER – MAIRE TECNIMONT THROUGH JGC KUWAIT

- Project : KNPC-CFP (Clean Fuels Project) – Kuwait
- Carry out Instrument Pre-Commissioning & commissioning activities such as Function test, Cause and effect and Start up support for Plant fuel gas system – Lean Amine Scrubbers, Hydrocarbon Flare light up, Instrument Air Compressors- Ingersoll-Rand, Instrument Air Dryer Package, Pressure Swing Adsorption – Nitrogen Package, HP /LP boiler feed water pumps motor/ turbine driven (Turbine Solo Run- Woodward Peak 150 and Protech G-II and Mechanical Run Test) and Deaerator level control
- As an Instrumentation commissioning supervisor was responsible to lead test crew to conduct the DCS/ESD/F&G function test to confirm the instrument safety logic and function sequence is correctly functioning in accordance with engineering documents.
- As an Instrumentation commissioning supervisor was carried out control/supervise of automation vendor specialists and coordinate with client for witness SAT functionality test.
- Conducting Cause & Effect, Control Narratives and functional checks with vendors and client.
- Supporting for Total Plant Shutdown Level Systems.
- Conducting DCS, ESD, F&G and Vendor Panel SAT, Energization and Punch closing.
- Loop Folder Preparation, Loop Checking and Troubleshooting Field Problems Engineering Review.
- Coordinating with vendor's for doing loop checks.
- Coordinating to complete Pre commissioning and Commissioning ITR's
- Analysis and Closing of various operational, engineering and document punches.
- Planning the work activities to be performed.
- Coordinate with clients and other department authorities for easy work execution.
- Preparing daily reports of job completions and outstanding activities.

01/2018 – 03/2018 – Rasalkhaimah, United Arab Emirates

INSTRUMENT COMMISSIONING SUPERVISOR – CEGELEC THROUGH EVERSEND OFFSHORE (VAHANA ARYAN JACK- UP BARGE)

- Project : VAHANA ARYAN JACK-UP BARGE
- Carry out Instrument Commissioning activities such Start up support for unit such as Fire and gas system ,navigation system and Utility area like power-generation, water and air system packages.
- As an Instrumentation Commissioning Supervisor was responsible for the arrangement of manpower such as Sub Con supervisor, senior technicians and technician for smooth completion of project on target dates.
- As an Instrumentation Commissioning Supervisor was responsible to lead test crew to conduct the DCS/ESD/ F&G function test to confirm the instrument safety logic and function sequence is correctly functioning in accordance with engineering documents.
- As an Instrumentation Commissioning Supervisor was responsible to arrange and coordinating essential Equipment's, Tools & Consumables which are required for project completion.
- As an Instrumentation Commissioning Supervisor was carried out control/supervise of automation vendor specialists and coordinate with client for witness SAT functionality test

10/2017 – 01/2018 – Abu Dhabi, United Arab Emirates

INSTRUMENT COMMISSIONING SUPERVISOR – CEGELEC THROUGH TECHNICAS REUNIDAS(HAIL OFFSHORE UAE)

- Project : Hail Surface Facilities Eps Project
- Supervise all pre-commissioning, commissioning and start-up activities of Equipment.
- Executing the installation and commissioning of Yokogawa systems.
- Worked closely with PLC and Yokogawa vendors and solve communication and logic issues and support all instrumentation issues.
- Developing Terminal Automation system architecture, IO lists, E&I pre-commissioning & commissioning procedure, control philosophy and ESD cause & Effect matrix.
- Inspection of Boiler as per P&I Drawing.
- Checking of starting permissive and trip logic of boiler.
- Preparation of As-built drawings.
- Operating the boilers up to customer's satisfaction and hand over the same with all technical specifications.
- Customer co-ordination, Manpower management, Project schedule implementation.
- Planning Manpower resources with required tools, consumables to carry out the erection and commissioning activities.
- Co-ordination with Technical drawings / Design department for necessary modifications in routing of piping as per site requirement.

10/2016 – 06/2017 – Abu Dhabi, United Arab Emirates

INSTRUMENT COMMISSIONING SUPERVISOR – CEGELEC THROUGH SAMSUNG ENGINEERING CO.LTD (UAE)

- Project : Carbon Black and Delayed Coker Project, Takreer, Ruwais
- Good Co-ordination with Clients and vendors during the LOOP CHECKING activities.
- Executing the installation and commissioning of Yokogawa systems.
- Worked closely with PLC and Yokogawa vendors and solve communication and logic issues and support all instrumentation issues.
- Field Calibration, Stroke Checking and Loop checking of Control Valves. Loop checking.PST and Stroke Checking of ON/OFF Valve's, Familiar with troubleshooting & parts checking of valve like Positioner, Position Transmitter, Limit switch, Solenoid valve, Air regulator & booster. Handling different manufactures valve & accessories such as Bettis, Masoneilan, Fisher, ABB and Metso. Etc.....
- Field Calibration of PT, PDT, TT and checking of Temperature element's RTD & Thermocouples Temperature switches. Also Familiar with Flow Transmitter such as Coriolis FT, ULTRASONIC FT, DP type FT And well experience in troubleshooting, line up & forcing of Transmitters .Handling different manufactures Transmitter such as Yokogawa, Rosemount, and Endress+ Hauser.etc.....
- Installation, Gap Voltage setting of Proximity probes (Vibration sensors).Configuration & loop check, troubleshooting of different types of Proximity probes such as Axial& Radial Vibration, Key phaser, Seismic Vibrations, Experience in other different types of sensors like Speed sensor , Flame scanner , and Weight switch etc....
- Well experience in Calibration & checking of Fire & Gas equipment like Gas Detector, Flame Detector, Smoke Detector Temperature Detector, Horn & Beacon, Switches etc...
- Familiar with P&ID, Hook Up drawing, ILD, Instrument layout.
- Handled and familiar with electronic equipment's like HART Communicator, TK-3E Kit, Process Calibrator, etc...

05/2014 – 04/2015 – Hanoi, Vietnam

COMMISSIONING AND START-UP ENGINEER – DOOSAN HEAVY INDUSTRIAL LIMITED,VIETNAM

- Project : Mong Duong – 2, Power Plant, 1040 MW
- As a Function test chief was responsible to lead his test crew to conduct the DCS/ESD/F&G function test to confirm the instrument safety logic and function sequence is correctly functioning in accordance with engineering documents.

- As a Function test chief was responsible to control/supervise function test field technicians, Instruct requirements to automation vendor specialists and coordinate with client for witness
- Function Test Folder Preparation and Engineering Review.
- Loop Checking and Functional Testing.
- Trouble shooting Field Problems.
- Preparation of Site Change Sheet for DCS and ESD logic, Updating Control Narrative and Site Modification Record for Automation vendor.
- Analysis and Closing of various operational, engineering and document punches.
- Per Mechanical Completion (PMC) support for Turbine Solo Run, Turbine driven Blower MTR, Furnace Dry out, Trouble shooting and Temporary defeat preparation and review.

07/2013 – 04/2014 – Dubai, United Arab Emirates

INSTRUMENTATION COMMISSIONING SUPERVISOR – CEGELEC OIL&GAS, DUBAI (OFFSHORE PLATFORM)

- Project : Golden Eagle Area Development (OFFSHORE PLATFORM)
- Over viewing and executing the loop checking for open / close / complex loops, function test of PSD, and FAG related interlocks.
- To manage/supervise the Loop checking, Functional Checking and Pre-commissioning activities.
- Preparation of As-built drawings.
- Executing the installation and commissioning of Yokogawa systems
- Testing and commissioning of plant field instruments including transmitters, control valves.
- Commissioning of instruments related to balance of plant system.
- Involved in the testing and commissioning of instruments related to Steam turbine generators and Emergency Diesel generator.
- Involved in the Turbine control system testing and commissioning (Invensys DCS).
- Involved in the commissioning activities like motor solo tests, lube oil flushing, turbine rolling and synchronization.
- Involved in plant start up activities.
- Check regularly performance of equipment's and plant, Includes making regular round of plant.
- Follows up non-routine tasks like equipment's changeovers and maintenance work to ensure that work is carried out efficiently and according to safety standards.
- Applies the Quality Procedures and ensures that the downstream follows these procedures.
- Loop check sheet and document preparation.
- RFI submit and coordinate with subcontractor and client to clear all issue.
- Commissioning report preparation and conduct inspection with company.

02/2012 – 06/2013 – Atyrau, Kazakhstan

I&C ENGINEER – KMS LLP THROUGH ENI AGIP KCO, KAZAKHSTAN, CASPIAN SEA(OFFSHORE)

- Project : Kashagan Offshore Oil Field Development Experimental Project (D-Island)
- To manage/supervise the Loop checking, Functional Checking and Pre-commissioning activities.
- Executing the installation and commissioning of INVENSYS systems for Kashagan Offshore Experimental Project according to design criteria and project specification.
- Assisting the testing and commissioning of LV switch-gears, transformer, UPS, DB's .
- Overseeing installation, Loop checking & commissioning as well as conducting functional tests & inspections to ensure operational effectiveness of utilities.
- Over viewing and executing the loop checking for open / close / complex loops, function test of ESD, and FAG related interlocks.
- Over viewing the site calibration of process variable transmitters, control/shutdown/MOV valves.
- Preparation of As-built drawings.
- Executing the SAT for DCS, ESD, and FAG by following the project specification documents as well as proper check sheets validated by the design core team.
- Ensuring the function test for the interlocks and notify the change in the function block program in conjunction with Invensys team if required.
- Troubleshooting instruments like transmitters, valves, sensor probes, analyzer systems, DCS, ESD and third party systems.
- Involved in the commissioning activities like motor solo tests, lube oil flushing, turbine rolling and synchronization.

09/2010 – 07/2011 – Manama, Bahrain

E&I ENGINEER – ALKOMED ENGINEERING SERVICES, KINGDOM OF BAHRAIN

- Project - Bahrain Field Development Associated Gas Expansion Project Phase-1, Compressor Station 8&20
- Review drawings and identify the Scope of work.
- Preparation of Work packs, Hook-Up task-sheets, Job cards and Task Risk Assessment.
- Reports weekly progress and monitors production man-hours and productivity and reviews 4 week look ahead plans and identifies the constraints (material / drawings).
- Monitors and coordinates installation/hook-up/pre-commissioning work in the yard.

- Overall project inter-discipline coordination between members of the operations support groups, throughout one or more project phases of detail design, fabrication, offshore installation and hook-up.
- Solves technical problems and initiates site queries to ensure work disruption is minimized and productivity is optimized.
- Preparation of As-built drawings.
- Resolute punch items relating to pre-com/com activities.
- Coordinate with QC Department for the inspection and provide the enough support to have the completion of the work.

01/2008 – 04/2010 – Doha, Qatar

INSTRUMENT ENGINEER – CCIC (CONSOLIDATED CONTRACTING INTERNATIONAL COMPANY), QATAR

- Project : Qatar Gas 6 & 7 Onshore Project (QCS)
- Responsible for all loose instruments, field instrument and skid instruments calibration and loop checking of Boilers and G.E-N.P (GE Oil & Gas Nuovo Pigeon) SPEEDTRONIC MARK VI, Frame 9E Gas Turbines & Centrifugal Compressors.
- Planning and Coordination of the Electrical & Instrumentation job activities in order to meet the requirement of client and company.
- Preparation of all necessary work procedures and Method statements, and ensure implementation of same during project execution.
- Assist for pre commissioning activities like loop check.
- Punch list clearance, RLM and As-built documentation.
- Involve in the meeting organized by the top management.
- To manage the man power with the management skills and leadership qualities.
- Per sue the progress from the fellow people.
- Coordinate with QC Department for the inspection and provide the enough support to have the completion of the work.

07/2006 – 11/2007 – Mumbai, India

INSTRUMENT SUPERVISOR – ANI INSTRUMENTS, MUMBAI, INDIA

- Project : ELF Plant, Mangalore.
- Responsible for Installation & Commissioning of Analytical instruments/Panel.
- Completion of erection assignment within scheduled time.
- Planning/scheduling and registering of assigned jobs by field Engineer.
- Installation/cabling of all types of process instruments.
- Impulse tubing/piping of instruments.
- Loop checking, Trouble shooting. Pre-Commissioning and Maintenance.
- Instrument Lab Activities (Calibration, Function check, Response check etc).

10/2005 – 06/2006 – Mumbai, India

JUNIOR INSTRUMENT ENGINEER – HATCO INDUSTRIES, MUMBAI, INDIA

- Responsible for Installation & Pre-Commissioning of Instruments.
- Instrument Lab Activities(Calibration, Function check, Response check etc)

● TRAINING SKILLS

- BOSIET (Basic Offshore Safety and Induction Emergency Training)-Valid up to 2026.
- H2S Certification valid up to 2023.
- SUPERVISOR SPECIFIC SAFETY TRAINING, certificate no.5217, OSHO Centre, Qatar.
- Plant Training in the Titanium Dioxide Pigment Unit. from The Kerala Minerals and Metals Limited , Kollam , Kerala
- Training in Industrial Automation (PLC, SCADA & Drives)
- H2S/B.A training course by National Academy for Professional Training.

● EDUCATION

2001 – 2005 – Tamil Nādu, India

ELECTRONICS AND INSTRUMENTATION (ANNA UNIVERSITY) – Rajas Engineering College, Nagercoil

1999 – 2001 – Kerala, India

PRE-DEGREE (KERALA UNIVERSITY) – S.G College, Kottarakkara

● **DIGITAL SKILLS**

Microsoft Word	Microsoft Excel	Outlook	Microsoft PowerPoint	Google Docs	Zoom	Microsoft Office
DCS Systems	PLC	SCADA				

● **PERSONAL DOSSIER**

Date of Birth	:	31 May 1984
Nationality	:	Indian
Marital Status	:	Married
Languages	:	English, Hindi, Malayalam and Tamil
Driving License	:	UAE& Indian

● **PASSPORT DETAILS**

Passport Number	:	Z5824208
Date of Issue	:	13/01/2020
Date of Expiry	:	12/01/2030
Place of issue	:	Trivandrum

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

Roseben Thomas