**SANATH DHANRAJ**

Commissioning & Maintenance Lead

Kuwait

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**OBJECTIVE**

Seeking a challenging position with growth potentials in a progressive organization which provides ample opportunities for enhancing and using my creative, technical skills and to be a part of the team that works dynamically towards the growth of the organization

**CAREER PROFILE**

* Hardworking and resourceful Lead Commissioning & Maintenance Engineer with extensive knowledge in the field of electrical, electronics and instrumentation.Experienced in Pre-commissioning &Commissioning, modern process control& Instrument system installation, calibration, loop checking, testing, maintenance &break down analysis.Good knowledge ofFire & Gas, Safety Instrumented System (SIS), Emergency Shutdown (ESD), Process Shutdown (PSD), Process Control System (PCS).
* Strong knowledge of commissioning procedures and policies, loop drawing, sequence logic, relay logic, electrical diagram, P&ID’s. BOSIET trained,Familiarized with International standards and working experience with different client/third party organizations such as KOC, NDC, Petrofac, ZADCO, Dubai Petroleum, Seajacks, Noble Corp, NDC, Jindal, Ensco, ABS, DNVGL etc.
* Self-motivated, Capable of setting up useful priorities and take instant decisions and apply them to meet given deadline. Adjust easily to innovative concepts and tasks.

**COMMUNICATION & ORGANIZATION RELATIONS**

* Reporting directly to the Commissioning manager, frequent and direct communications with all discipline engineering & QC team, respective team leader and site team
* Regular communications with clients, consultants and vendors for smooth execution of project

**DETAILED WORK EXPERIENCE**

1. **Company: Schlumberger EPF KUWAIT (SABRIYA) (From Sep 2017to till now)**

**Designation: Lead Commissioning and Maintenance Engineer**

**Job Profile:**

* Pre-commissioning and commissioning of Inlet manifold, HIPPS SYSTEM( 24”,16”),HP/MP/LP Seperators,Desalters,Crude-Stabiliser,EWT,Utilities,GSU,GTC,TEG,MRU and VRU for ESDV, Pressure transmitter, Temperature Transmitter, Level Transmitter both DP type and GWR, Ultrasonic Flow meters, DP Flow meters, SDV and Control Valves and Analyzer units.
* Pre-commissioning & Commissioning of Fire &Gas detection system and F&G, Plant control and ESD system, CCTV, PAGAsystem.
* Functional test for Compressors, Gas Turbines, MRU and VRU units as per the Process Control Narrative and Cause & Effects.
* Cause and Effect testing for FGS, ESD, Fire Water System and PSD as per approved document with vendor.
* Assisted in PSSR preparation and LPT activities before start-up.
* Maintenance & calibration of transmitters FT, PT, LT, TT, DPT and calibration of control valves as per CMMS. Plan & executes work order through CMMS and co-ordinates with maintenance engineer for job completion and technical matters.
* Reporting periodically to Maintenance manager preparing KPI, PM and CM reports
* Follow all the operation notification number then create WO for notification arranges the menials for them.
* Maintain such communications and relations as are necessary to report on the status of matters requiring action and to ensure that corrective action is undertaken.
* Planning required up gradation for instruments to achieve production quality and cost minimizing.
* Ensures that all the subordinates and contractors are aware of safe working practices and take necessary precaution in hazardous work environment, while carrying out activities.
* Member of Safety Lifecycle management for monitoring and ensuring the job carried out in O&M.

1. **Lamprell Energy Ltd., Dubai, UAE (From June 2013 to May 2017)**

**Designation: Commissioning Engineer E&I**

**Job Profile:**

* Ensure Compliance with Health, Safety, Environmental and security (HESE) procedure and responsibilities.
* Prepare pre-commissioning and commissioning procedure for all system to class and client ensuring that all procedures are approved prior to commissioning commencing.
* Pre-commissioning and commissioning of Rotary equipment’s &systems like Air Compressors, Mud Pumps, Fluid Transfer Pumps
* Pre-commissioning and final commissioning Main & Emergency Engines, load testing coordination
* Pre-commissioning & Commissioning of Fire & Gas, ESD & other safety systems
* Maintenance, troubleshooting&Commissioning of Instruments which include Solenoid Valves, Control valves, Motor operated valves, Pressure Switch, Flow meter, limit switches, Proximity sensor, Vibration Monitor, RTDs, Thermocouples etc.
* Commissioning of IMSS SYSTEM- Tank gauging ,Alarm system & Navigation system
* Commissioning of Transformers, Lighting panel & HVAC systems
* Commissioning of Water Maker- Fresh water Generators, Sewage Treatment Plant**,** Potable and sanitary water systems, Oily water Separators, Shale Shakers, Mud Agitators, Hydraulic Power Packs (HPU)and Rig utility Equipment’s
* Carry out commissioning/maintenance of VFD drive (Mud pump, Top drive, Rotary table, Draw works), Engine Control Panel, Bop pump accumulator, Drilling Equipment’s, etc. With vendors like CAT, NOV, Cameron, LTI, See deep etc.
* DCS loop checking, DCS, ESD and PLC logic test, test forms and ready for Start-up
* Installation and commissioning of DCS , KONGSBERG Marine AS 7.1 System & 700 K-CHIFE and K-TRUST,K-BRIGE,K-POS, K-SAFE & DP System [for Seajacks Hydra DP Vessel with KONGSBERG 700 system version 8.2]
* Performing of control loop checking, calibration, recalibration, troubleshooting, verification and simulation of various instrumentation and control instruments
* Field instrument installation based on location plan and Piping instrument diagram (P & ID)
* Checking for readiness of mechanical completion dossiers of systems, accordingly with QA&OC system, in collaboration with others departments and client representatives
* Development of pre-commissioning & commissioning list for populating of the commissioning IT tracking tool (PIMS) with engineering data. I.e. equipment list, instrument list, cable schedule, etc.
* Outline and preparation of Ready for Commissioning – Mechanical Completion Certificates and Handover dossiers, ITR’s through commissioning IT tracking tool (PIMS)
* Liaising with clients, consultants & vendors like NOV, Cameron, CAT, ABS, DNV, KONGSBERG etc. for smooth execution of project and resolving problems in site execution
* Ensure that all punch list items are resolved, client handover s satisfactorily concluded ad that there is no prolongation of project.
* Maintaining lesson learnt register for the project for future reference

**Projects Handled:**

* **UZ750 ZADCO:**The UZ750 project is in theUpperZakum oilfield, 84 kilometers north-west of Abu Dhabi. Involved in Pre-commissioning and Commissioning of ESD valves, Controlvalves, Pressure transmitter of NPAR-05, NPAR-43, NPAR-16, CPAR-01D modules.
* **JALILAH-B PLATFORM:** A new platform, Jalilah B, will be installed 3 km north-east of Jalilah A. Involved in the pre-commissioning of main engine, switch board,loop check and commissioning of pressure transmitters,RTD’s,lever transmitters, pre-commissioning of WHSP, chemical injection skid, pre-commissioning of Fire and Gas,ESDsystem,pre-commissioning of control and shutdown valves.
* **ENSCO 140 & ENSCO 141:**LeTourneau designed ABS Class new build Super 116E Jack up drilling rigs.The rig has water depth operating capability of 340ft and can drill to a depth of 30000ft, with luxury quarter for 105 crew
* **Project Seajacks Hydra**: Is a new Seajacks vessel with Gusto MSC NG2500Z self-elevating and self-propelled Jack-Up. The Vessel will be equipped with dynamic positioning, high speed jacking system and a 400t crane. Client: Sea Jacks UK ltd.]
* **Project Jindal Star,JindalPioneer andGreatshipChaaru**: LeTourneau designed ABS Class new build Super 116E Jack up drilling rigs. The rig has water depth operating capability of 350ft and can drill to a depth of 30000ft, with luxury quarter for 105 crew [Client: Jindal Pipes Ltd]
* **Project NDC Rig 5, 6, 7, 8,9**: LeTourneau designed ABS Class new build Super 116E Jack up drilling rigs. The rigs has water depth operating capability of 150ft and can drill to a depth of 20000ft, with luxury quarter for 100 crew [Client: National Drilling Company]

**ACADEMIC BACKGROUND**

* BE in Electronics & Communications from Sri Devi Institute of Technology, Mangalore, India in the year 2012 with aggregate of 63%
* Diploma in Electronics & Communication from SNS Polytechnic, Mangalore, India in the year 2009 with aggregate of 72%

**TRAINING**

* Complete Automation Training Program held at SMEC labs (SMEC Automation Pvt. Ltd.), Mangalore, India. PLC’s
  + - Siemens: S7 200- Microwin32, Simatic, CPU 224 & Version-6.3
    - AB (Allen Bradley): RXLogix500/SLC500, Micro Logix, RX Logix, 1400 Series B, Version-5.50
* PAC
* Schneider Electric (Modicon M340): Unity Pro XL with CPU P34 2020, Analog BMXAMM0600 and Digital BMX DDM16022
* SCADA’s
  + - InTouch: Wonderware lnTouch Version 10.0
    - IFIX: GE Fanuc IFIX Version 5.0
* HMI
* TelemecaniqueMagelis XBT-GT (Touchscreen), XBT-N
* VFD
  + - TelemecaniqueAltivar- 28, 38 & 58 Series, ATV71
* Control Panel Design, Instrumentation (Sensors)
* Process Control Development
* H2S level 2 training.
* Training of ‘Mobile Communications’ from Telecom Training Centre, BSNL (govt. Of India), Mangalore
* MPFM (multiphase flow transmitter) VX spectra, Schlumberger, Kuwait.
* EMERSOJN valve link software, critical control analyzing, Schlumberger, Kuwait.
* Ariel compressors Waukesha engine ESM software and troubleshooting methods, Schlumberger, Kuwait.

**COMPUTER SKILLS**

* Commissioning completion software, PIMS
* MS Office Package: Microsoft Word, Excel, PowerPoint and Outlook
* MS Operating Systems: Windows 2000, Windows XP and Windows Vista

**PERSONAL STRENGTHS**

* Effective team player with good Communication Skills and Excellent listening skills
* Adaptable to any environment and Culture.
* Motivated and Adaptable to new Challenges

**PERSONAL DETAILS**

Date of Birth : 31st May 1989

Sex : Male

Nationality : Indian

Marital Status : Married

Languages Known : English, Hindi, Kannada, and Tulu

Permanent Address : Kaikamba, Mangalore, Karnataka, India

**DECLARATION**

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

Yours truly,

**SANATH DHANRAJ**

Date :

Place : Kuwait