



RATNAKAR SAHOO

Email : ratnakarsahoo84@gmail.com

Mobile No. Office : +91[8895093354]

Mobile No. Home : 08762481318

CAREER OBJECTIVE

Seeking a challenging and rewarding opportunity in an industry which is in line with my academic and professional background of **Electronics and Instrumentation Engineering**, and which effectively utilizes my analytical and technical skills.

Professional Abridgement

- B. Tech in **Electronics and Instrumentation Engineering** with more than **8 years of experience** in **Site management, Installation, Testing, Commissioning & other Allied activities** and involving Electrical Work also.
- Currently employed with **Endress + Hauser (India) Pvt. Ltd. (TPP)** as **Site E&I Manager** for Implementation of (Turnkey projects) "AUTOMATION/INSTRUMENTATION WORKS ALONGWITH ASSOCIATED LPG PIPING, FIRE PROTECTION AND ASSOCIATED WORKS FOR 8 BAYS OF 2ND TLF AT PARADIP LPG TERMINAL".
- Expertise in independently managing small / mid-sized projects
- Expertise in managing **maintenance** activities such as **integration, network expansion and customer acceptance testing** as per relevant specifications.
- Engineering of Instrumentation Projects for Thermal Power Plants and Oil & Gas Terminals.
- Designing and Analysis of Hook ups/Loop Schematics, Wirings Diagrams.

CORE COMPETENCIES

Erection, Testing & Commissioning

- Review of Construction procedures and monitoring construction work by sub-contractors.
- Planning, Installation, Inspection, calibration, Erection & commissioning of various Instruments.
- Supervision of sub-contractors and follow-up on the activity planned on daily basis.
- Optimizing the use of materials as per the technical documentation.
- Erection of various types and sizes of Cable trays, FRP trays, Impulse tubing etc.
- Cable laying of LT/ Control & Signal cables, OFC & Ethernet cables, Telecom cables and Pre-fabricated vendor cables through Cable trays & Cable trenches.
- Erection & commissioning of various Instrument & Network panels like Marshaling, System, Sever and Interposing Panels.

Maintenance Experience.

- Assist in improving instrumentation System Reliability for Oil Terminals and Steel Plants through periodical verification of functioning of field instruments, partial stroke checking of control & ESD valves.
- Make jobs list that cannot be done while on plant running condition, assist in making plan for shutdown maintenance and Preparation of work packs for different instrument activities for shutdown.
- Preparation of job requests on PACER system and delegating them to the concerned.

PROFESSIONAL EXPERIENCE

Name of the Organization working for	: Endress + Hauser (India) Pvt. Ltd. (TPP)
Client	: IOCL (Paradeep) LPG Marketing Terminal
Designation	: SITE E&I Manager
Duration	: 19th November, 2018 to till the date

Ongoing project: -

Currently working on_ "AUTOMATION/INSTRUMENTATION WORKS ALONGWITH ASSOCIATED LPG PIPING, FIRE PROTECTION AND ASSOCIATED WORKS FOR 8 BAYS OF 2ND TLF AT PARADIP LPG TERMINAL"

Time Duration – 19th November, 2018 **to** till the date

Electrical & Automation Part of work: -

- My basic profile is wiring of PLC Panel as per engineering input drawing, integrate all field related instrument like pneumatic ROSOV, DBBV, Batch Control Unit (VEGA T), MFM, PD meter, PT, DT, LPG Loading arm, DCV, Vapor eliminator, Strainer, TSV & many different instruments to PLC for Pre-commission, power on and testing all instrument & its communication to server as per engineering input and final modification for Automation projects.
 - TLF Lighting, Earthing, lightning arrester work
 - All Billing activities for Electrical & Automation Part of projects.
-

Mechanical Part of work: - EPCM

- FIRE PROTECTION SYSTEM: - Erection activity of Pipes, Fittings, Valve's, Flanges etc. (As per given piping material specification) for Hydrant System, Double headed hydrant valves, Deluge Valve & Water Monitor
 - Medium Velocity Spray System
 - WRAPPING, COATING FOR U/G PIPING
 - Erection of PROCESS AND UTILITY PIPING work as per approved P&ID
 - All Billing activities for Mechanical part of projects
-

Organization**: Authentic Staffing Agency****Name of the Organization working for Client****: L&T Electrical and Automation Projects
: ONGC (HAZIRA, GUJARAT)****Designation****: SITE E&I Manager****Duration****: 18th Dec, 2017 to 19th November, 2018****Project: -**

PROJECT _ Electrical and Automation Project for **L&T Ltd., (C&A), Navi Mumbai.** worth 6 Crores [Implementation of MB LAL (TFMS) And Gantry automation] for ONGC (Hazira) Plant at Surat (Gujarat).

Time Duration – 18th December, 2017 **to 19th November, 2018**

- Substation feeder modification (MCC feeder retrofitting 100A, 125A), TFMS and RAIL & ROAD GANTRY Automation Work.
 - My basic profile is wiring of PLC Panel as per engineering input drawing, integrate all field related instrument like Radar, servo, AOP, MST, pneumatic ROSOV, DBBV, BCU, MFM, PD meter, PT, CPT, DT & many different instruments to PLC for Pre- commission, power on and testing all instrument & its communication to server as per engineering input and final modification for Automation projects.
 - Installation, Testing and Commissioning of Liquid HCD, Closed path HCD (HONEYWELL), Point type HCD.
 - Installation, Testing and Commissioning of smoke detector Ionization & Photo Electrics, H2S detector.
 - Handled all Billing activities for E&I projects.
-

Organization**: Randstad India Ltd.****Name of the Organization working for Client****: Honeywell Automation India Ltd.****Designation****: Bharat Petroleum Corporation Ltd. (HAZIRA, GUJARAT)****Duration****: SITE INCHARGE****: 8th Sep, 2014 to 30th Nov, 2017**

PROJECT 2 _ Terminal Automation Project for **Honeywell Automation India Ltd.** worth 8 Crores for BPCL at Surat (Gujarat).

Time Duration – 25th March, 2016 to 31st October, 2017

PROJECT 1 _ Terminal Automation Project for **Honeywell Automation India Ltd.** worth 10 Crores for Indian Oil Corporation at Mangalore (Karnataka).

Time Duration - 8th Sep, 2014 to 22th march, 2016

- Preparation of IO list, Cable Schedule, JB Layout, AutoCAD Drafting & Design HMI interface as for client provided P&ID project for IOCL Mangalore & BPCL Hazira DEPOT.
- Coordination with Client and PMC in solving issues related to all Erection related activities.
- Inspection of materials received at site. Ensuring overall quality of the automation project as specified in the tender scope.
- Execution of different works by the analysis of various drawings like P&ID, ILD (Instrument Loop Diagram), I/O list, Instrument Hook up Drawings, JB termination details etc.

- Planning, Installation, Inspection, calibration, Erection & commissioning of Instruments such as Pressure Transmitters(PT), Compound Pressure transmitter (CPT) Temperature Transmitters (TT), density transmitter (DT), Level Transmitters (LT), Flow Transmitters (FT), Control Valves, Smoke Detectors, Gas Detectors Toxic (GDT), Gas Detector Flammable (GDF), Pressure gauges (PG), Compound type Pressure Gauge(CPG).
- Erection & commissioning Digital Control Valve (DCV), Batch Controller unit (BCU), Remote interact terminal (RIT), proximity type card reader(CR), Earthing relay unit (ER) , Automatic Overfill Protection system (AOPS),Loading Arm Position Sensor (LAPS), Mass Flow Meter (MFM) , Flow Meter , SOV & its local integration with Batch Control Unit (BCU) and commissioning of Selling Entry Device SED & DET.
- Commissioning of VDU & its hooter system.
- Radar gauge, Servo gauge, Temperature Gauges (MST), vibration type level switch & tank side indicator local integration & commissioning.
- Access control system (Bio matrices & card reader with turnstile tripod).
- MCC Panel & DG Panel modification for remote operation through (ML 200) PLC.
- ROSOV & MOV commissioning through PLC.
- Commissioning of ESD & Hooter through SM PLC.

My basic profile to integrate all field related instrument to Honeywell ML 200 & SM PLC R151.2 and its modification as for Terminal Automation.

Name of the Organization : **TANFAC industries limited**
Designation : **INSTRUMENT ENGINEER (O&M Engineer)**
Duration : 4th Sep, 2013 –30th Jun, 2014

- Calibration & Installation of various Instruments. (Pressure transmitter, Density transmitter, Multi spot temperature, Flow switch, DPT, PT, Vibrating fork & level switch).
 - As per complain testing & loop checking for required instrument, JB, Panels and related cable.
 - Ensured proper working of all PDB, PLC and Network panels.
 - Execution of different works by the analysis of various drawings like P&ID, ILD (Instrument Loop Diagram), I/O List, Instrument Hook-up Drawing and termination detail instrument, JB & panel side.
 - Input & Output module Testing & Commissioning.
-

Name of the Organization : **M.C.K.Kutty Engineers**
Client : **Sesa Goa steel Plant Ltd.**
Designation : **Testing & Maintenance Engineer**
Duration : 3th March, 2013 –11th Aug, 2013

- Undertaking of regular testing and maintenance activities.
 - Loop checking of Local Panels, solenoid valve, PLC (SCADA interface) to PLC panel and PLC panel to Field instrument like belt sway switch, zero speed switch, pull cord switch in Stock House and conveyor belt. Testing of RTD, DPT & PT.
 - Input & output module testing & commissioning through Siemens S7 400
 - Calibration & Install Vibrations & Displacement probe in blower control room.
 - Continuity testing & loop checking for Blast Furnace, Stock House & GCP Area.
 - Ensured proper working of all Electrical & PLC panels.
-

Name of the Organization : **Chashmita Engineering (P) Ltd.**
Client : **Lanco InfraTech Ltd., 2x600MW Power Plant, Anpara (U.P).**
Designation : **Site Engineer (Onsite)**
Duration : 1st September, 2010 – 28th February, 2013

- Independently handled 2.5 Crores worth Power Plant Project for Chashmita Engineering (P) Ltd. for Lanco Infra Tech Ltd., 2x600MW Power Plant, Anpara (U.P).
- Dexterously handled instrumentation works for CHP & Boiler.
- Planning of site related installation activities as per available SLD and P&I.
- Ensuring Earthing of electrical, electronic panels and construction of earth pits.
- Complete works involving PLC Panel & P.A systems.
- Installation of wireless communication system IRIS-IVDX of Coral Telecom Ltd.
- Calibration of RTD, Thermocouple, PT, DPT, Pressure Gauge, Solenoid valve & Load cell.
- Handled all site billing activities.
- Performed SAT activities like punch listing, loop checking and function test.

PROFESSIONAL COURSES / TRAINING / CERTIFICATIONS

- Obtained 5 months training in Professional Industrial Automation from IB Automation Engineering Projects Pvt. Ltd. In 2014

Course details:

- Field & Control Room Instrumentation(PT, TT, LT, DT, Pneumatic, Solenoid Valve and Actuator)
 - PLC Hardware engineering(PLC ML200)
 - PLC Software Programming(Ladder Logic)
 - AutoCAD, Windows, MS-Office, Microsoft excel, Internet Applications
 - Computer Hardware maintenance 3 month course at C-NET, Rourkela.
-

ACADEMICS

- B.Tech in A.E.I (Applied Electronics & Instrumentation) from PIET Rourkela under BPUT, ODISHA with 65% in Year 2010
 - 12th from NAC ST. Sec-7 Rourkela Under Center for Higher Secondary Education, ODISHA in Year 2004
 - 10th from ILS Sector-6 Rorkela under Board Of Secondary Education, ODISHA in Year 2000
-

PERSONAL DETAILS

- Name : Ratnakar Sahoo
- Nationality : Indian
- Passport No. : K4998818
- Language known : English, Hindi and Odia
- Date of Birth : 20th April, 1984
- Marital status : Married
- Address : Qrs. No. B/163, Sector-6, Rourkela, Sundargarh, Odisha – 769002