RESUME – INSTRUMENTATION ENGINEER

Ambazhapilly Jith Jayandhan

jithamb@gmail.com
Jith Jayandhan | LinkedIn
+91-9172428878 (India),
DURGA RESIDENCY, 102 1ST FLOOR, "A" WING,
INDRA LOK, DEEPAK HOSPITAL ROAD
OPP S.K ENGLISH SCHOOL
BHAYANDAR (E),
MUMBAI, INDIA.
PIN: 401105.

Highly skilled and professional **Instrument Engineer - Design** having **around 13 years** of total experience in **Concept Study, FEED, EPC Design, Detailed Engineering, Brownfield project and Proposals project** for **Oil & gas**, **Chemical, Petrochemical, Fertilizer** for Instruments Design & Detail Engineering work.

Educational Qualification

- 4 Years Full time Graduate Degree **B.E., in Instrumentation Engineering** with First Class from Mumbai University, India.

Skill Profile

➢ **Overall Experience in Instrument Design/Detailed Engineering Activities and Pre-Bid Engineering**

- Review of Client ITB (Invitation to Bid) documents and technical correspondence received in the proposals stage, issue inquiry requisitions, review technical vendor offers and man-hour estimates.
- Preparation of Instrument Index.
- Support P&ID development & review
- Detail Engineering and procurement activities:
  VALVES: Control Valves, Pressure Safety Valves, ESDV, MOV.
  FIELD INSTRUMENTS: TT, Flow meters (Coriolis, Mass, Ultrasonic), DP, GWR, PT, etc.
  Packages: Metering Skid, WHCP's.
  Preparation of instrument datasheets, material requisitions, attending pre-bid meetings, Pre-order & Post order technical queries, participate in the technical evaluation of vendor bid offers. Technical Bid Evaluations (TBE), review vendor drawings and documents. Ensure vendor equipment specifications meet with client equipment specifications and are within budgeted costs
- Well versed with the international standards like ISO, IEC, API, PED, etc.
- **Interfacing and co-ordination with other engineering departments** like Review of drawings which are relevant to Instrumentation such as P&IDs, trench layouts of Civil, Electrical main cable routing drawing, Plot plan, Piping layouts, Isometrics, etc.
- **Technical supervision, engineering & quality check for detailed engineering documents and drawings:** such as Instrument Index, IO List, Cable Schedules, JB Schedules, Cable Routing, Instrument Location Plan/Layout, Instrument process Hook-Up, Installation Details, Wiring Diagrams, Instrument Schedule, Loop Drawings, Review GA drawing.
- Preparation of instrument MTO – Cable, JB, glands/ plugs, cable tray, instrument hook up material (Tubing, Connectors, fittings, etc.)
- Calculations of Control valve, Flowmeters and WAKE Frequency calculations.
- Support to Machinery department for Packages.

- Support to Static Department.
- Worked on Wireless Network.

➢ **Brown Field Engineering/ Supports:**

- Modifications ***/*** additions***/*** deletions of exiting branch cables**,** tray works in field including changes to impulse lines and pneumatic connections as required**.**
- Wake frequency calculation for existing thermowell to check suitability for new process data.
- Prepares of data sheets for the purchase of new instruments.
- Updating/ Preparation of instrumentation & control documents & drawings for the modification activities such as, Instrument Index, IO List, Instrument Location Plan, Cable Routing Drawing, Hook-up drawing, Wiring Drawing, Cable Schedule, JB Schedule, Fire and Gas Detector Layout Drawings, etc.
- Reviews documents, drawings, specifications, and other documents prepared by contractors.
- Preparation of construction work pack.

➢ **Site Supports:**

- Site survey for collections of data.
- Site support to solve the query related to Field Instruments.

➢ **Software Used:**

Instrumentation Design Tool's (INTOOL's) Intergraph's Smart Plant Instrumentation (SPI) 2016

- Instrument Index
- Instrument Datasheet
- Calculations
- Browser

MS-Office (Excel, Word, PowerPoint, MS-Access), Outlook, Naviswork Review

Professional Experience

Organization: TECHNIMONT INDIA PVT LIMITED- Mumbai (Dec 2013 – Till date)

TECHNIMONT INDIA is an Italian based company and specializes with engineering for upstream and downstream oil and gas clients Petrochemicals and undertake studies, front end engineering and detailed engineering.

Position : Principal Instrumentation Engineer (Design & Detail Engineering)

Projects Details:

Sr.no	Project-Client-Country	Service Offered
1.	Mishrif Gas treatment Plant-Lukoil – IRAQ	Biding.
2.	LLDPE, PPE - QAPCO- QATAR	FEED.
3.	Chemical-United phosphores limited – India	Detail Design
4.	Combined Oil refinery unit -Gazprom- RUSSIA The CORU is designed for the primary distillation of crude oil	Was deputated to Milan office for 2 years to carry out the Engineering activity.

	and production of high octane Euro 5 standard gasoline and diesel fuels and vacuum gas oil.	
5.	Modernization and reconstruction of the Heydar Aliye refinery in Baku to increase the production capacity of the refinery to 7.5 Million tons per year, together with the increase in the quality of refined product - SOCAR-Azerbaijan	Detail Design
6.	Borouge- 4 FEED To increase the Production capacity of the plant to 4.5 million tonnes per year.	FEED & Biding.
7.	IOCL -DUMAD EPCC-1 package consist of Acrylic Acid Unit (90 KTA) and Butyl Acrylate Unit (150 KTA).	Detail Design

Organization: JACOBS Engineering, Mumbai, India.

JACOBS. Have been in the EPC business in India & Internationals which provides a full range of technical and project management skills, from design through procurement, construction, commissioning, and start-up to assist clients in developing and upgrading facilities.

Duration : Feb: 2012 – June 2013
Position : Instrumentation Engineer (Design & Detail Engineering)

Projects Details:

Sr.no	Project-Client-Country	Service Offered
1.	Elilly Lilly	Index & Specification sheets of flied instrument like flow meters, level gauge, pressure gauge etc. with smart plant Intools
2.	RTIP (RAS TANURA INTEGRATED PROJECT) Client : Saudi Aramco and Dow Chemicals Largest World- Scale Grassroots Chemicals and Plastic Facilites in the World to be built at one time	Specification sheet of flied instrument like flow meters, Pressure Instruments, Shut down valve, Technical Bid Analysis.

Organization: Aker Solution Mumbai

Aker. Have been in the EPC business in India and internationally which provides a full range of technical and project management skills, through Detail design to assist clients in developing and upgrading facilities.

Duration : August: 2011 – Feb: 2012
Position : Instrumentation Engineer (Design & Detail Engineering)
Clients : Petrofac (Turkmen Gas)
Projects Details:

Sl.no	Project-Client-Country	Service Offered
1.	Turkmen Gas The Project consist of installation of production facilites to produce 20BCMA of sales gas from 40 Production Wells, **SRU** (Sulphur Recovery Unit)	Deputed to Aker from nice consultancy from August 2011-Feb 2012 Specification sheet of flied instrument like flow meters, Pressure Instruments, Shut down valve, Technical Bid Analysis.

Organization: Nice Consultancy Mumbai

Nice Consultancy is a Design, Engineering, Consultancy in Oil & Gas, Refinery, Petrochemical in India and Oversea

Duration : Oct 2008 -: Feb 2012
Position : Instrumentation Design Engineering
Projects Details:

Sl.no	Project-Client-Country	Service Offered
1.	KOC (Kuwait Oil Co-Operation)	Deputed to Kuwait for Site Survey
2.	ONGC Ramnad	DESIGN & DETAIL ENGG
3.	Shaw Rolta	Loop Drawing using (SMART PLANT INTOOLS)
4.	Zuari industries Limited (GOA)	Deputed to site for Survey

Personal Details:

NAME	:	Ambazhapilly Jith Jayandhan
DATE OF BIRTH	:	6.10.1986
SEX	:	MALE
MARITAL STATUS	:	MARRIED
NATIONALITY	:	INDIAN
LANGUAGES KNOWN	:	ENGLISH, HINDI and MALAYALAM

DECLARATION:

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

(Jith.A)