

Akhilesh Kumar Jha
-Assistant Manager
(Instrumentation Design & Engineering / Technical Services)

◇ **Mobile:** +91-9910694776 / +91 8054056909

◇ **E-Mail:** friend_akhilesh@yahoo.co.in / akhilesh.jha.inst2008@gmail.com

Assignments in Instrumentation & Control / Engineering & Design with an organization of high repute. (Oil & Gas, Petrochemical, Energy & Utility.)

PROFESSIONAL SYNOPSIS

- A competent professional with **12 years** of excellent track record of executing projects right from the stage of proposal and bidding ,**Detail Design & Engineering** ,planning, **Technical Bid Evaluation** ,**Purchase order requisition**, resource procurement, vendor development and contract management ,field Engineering and construction ,pre commissioning & commissioning till hand-over to client & end-user training.
- Possess knowledge of overall EPC procedure, started from FEED, EPC/LSTK bidding, detail engineering and design, construction and field engineering & commissioning; expertise in various systems like DCS, ESD, FGS, MMS, VMS, , TGS, AMS and Analyzer. Very good understanding of LNG terminals, petrochemical & utilities.
- Skilled in preparation & review of engineering & design deliverables like Control System Architecture, I/O Listing, Instrument Specification, DCS/ PLC Loop Wiring Drawings, Instrument Index, Instrument Datasheet, Cable Schedule, Interconnection Drawings, Loop Schematic, Instrument hookup & Installation Drawing, Cable Route & Tray Route Layout, Instrument Hook Up Drawing, Tubing Layouts, Instrument & JB Location Layout. Instrument Technical Bid Evaluation & Report.
- Expertise managing installation, testing & calibration, pre-commissioning and commissioning activities of Instrumentation & Control System. Package System document review, execution and commissioning. Including preparation work of process field instrumentation, providing support to start-up and coordinating project performance tests.
- Proficient In basic Instrumentation software tools like SPI2009, Autocad-2010, MS Office, and SPR/3D.
- Flexible & adaptable with strong interpersonal, analytical, planning and troubleshooting skills; highly adaptable, mobile, resilient and patient.
- Also worked as Engineering Supervision and Co-ordination as an End-User for HPCL-Mittal Energy Ltd.

CORE COMPETENCIES

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|------------------------------------|-------------------------------------|--------------------------|
| ~ Instrumentation & Control | ~ Engineering Design & Construction | ~ Project Execution |
| ~ Bid Proposal Development | ~ Detail Design & Proposal Engg. | ~ MTO/QTO Preparation |
| ~ Procurement / Vendor Development | ~ Client Relationship Management | ~ Liaison & Coordination |
| ~ Detail Engineering Supervision | ~ Technical Bid Evaluation | ~ Management of Change |

CAREER CONTOUR

HPCL-Mittal Energy Limited: Since August'18

The Accountabilities:

Engineering Supervision, Project Co-ordination & Technical Evaluation of Tenders:

- RFQ review of Flow, Temperature, Pressure, Flow, Level, Control Valve, FGS Detectors etc.
- Engineering Co-ordination with EPCs such as **EIL, Tecnimont, LTHE, Linde** and other contractors for Document Submission, Test and Inspection.
- Technical Bid Evaluation for Direct order items, addition and change order technical validation.
- FAT acceptance for various Systems DCS, FGS, ESD, PLC, TFMS, Packaged items, etc.
- Residual Engineering, Value Engineering Initiative & revisiting P&IDs for Change management ,
- Review technical specifications, process data sheets, material specifications, plot plans, general arrangements drawings, control room layouts, hazardous area classification drawings, fire & gas detection layout drawings and others in case of conflict and resolved studying the situation and proposing the right engineering guidance
- Participating in HAZOP meeting & SIL studies.
- Evaluation for new Tie-in of Petrochemical Plant with existing Plants of Refinery, Utility and Terminals.

Boustead Control & Electrics Pte Ltd, Singapore: Since Jul'17

The Accountabilities:

Project Engineering & Proposal bidding for Tenders:

- RFQ review of Well head control panel (ESD system) for offshore/onshore platforms.
- Review & study of technical specifications, process data sheets, material specifications, P&IDs, plot plans, general arrangements drawings, control room layouts, hazardous area classification drawings, fire & gas detection layout drawings.
- Preparation of technical data sheets for field instruments other systems like transmitter, Level gauges, flow sensors, valves, level switch, F&G system, ESD systems.
- Instrument Selection & Sizing.
- Cause & Effect review for WHCP (ESD system).
- Hydraulic sizing for (Hydraulic power Unit) for Subsea valves/ Christmas tree valves.
- HAZOP meeting & SIL studies with the client & representative of other engineering disciplines.
- Preparation of JB wiring and other design deliverables.
- Tie-in with existing platforms evaluation for project proposal & bidding.

Major Clients Served:

- ONGC.
- Saudi Aramco.
- ADNOC.
- BW Energy.
- SHELL

CTCI Corporation, Taiwan: Since Jul'10 (6 Years 11 Months)

The Accountabilities:

Engineering & Design:

- Detail P & ID review and preparation of instrument Index.
- Preparation of instrument data sheets.
- Preparation of instrument requisition.
- Technical Bid Evaluation and Report (On-Off Valve, Pressure, Level Instruments).
- Instrument Installation drawing, Hook up review & "MTO" generation.
- Preparation of instrument loop wiring diagram.
- Static Equipment /level instruments interface squad check.
- Requisition of custody transfer metering skid.
- Requisition of DCS, ESD & FGS system & review offer and quotation.
- PLC based package system document review.
- Field analyzer package document review.
- Instrument location, wiring & air tubing layout review.
- Instrumentation proposal engineering for project bidding.
- Tie-in with existing plant evaluation for project proposal & bidding.
- Technical query submission and proposal report

Field Engineering & Project commissioning Responsibilities:

- Design Interface management at site with civil, piping, electrical & HVAC.
- Field engineering support, design change notice, verification of design modification and approval.
- Review Cable schedule, drum schedule, cable cutting schedule.
- Review and checking of instrument installation as per standard hook up procedure & design.
- Checking of interfaces of Instrumentation with packaged system like PLC & DCS/ESD interface.
- Packaged system Job responsibilities :
 - Instrumentation design deliverables review like BOM, IO list, Alarm list, Logic diagram, C&E Matrix, instrument datasheet, Analyzer specification, sample handling & tubing drawing and comments as per site condition.
 - SAT Procedure review, comment & approval, Test & calibration certificate review.
 - Worked on Custody transfer metering station, BOG Compressor, Nitrogen utility Plant, HP Pump & Air compressor.
- Pre commissioning assistance activity support like valve stroke check, FGS instrument installation & calibration.
- Managing Instrument Inspection at site as per project schedule, resource allocation & manpower management.
- Overall management of Instrumentation project at construction site as a Field Engineer.

Major Projects Accomplished:

At CTCI Corporation, Taiwan

- Liwa Plastic Project, Sohar Oman .
- Laffan Refinery-2 Qatar
- Toho Titanium Sponge Plant Co. Ltd., Yanbu Saudi Arabia
- Liwa Plastic Project , Sohar Oman-Bidding
- CSCI Dahej, India
- OPTC PTA LINE 3, Oriental Petrochemical Taiwan Corporation
- LNG Regas Terminal Kochi, Petronet LNG Ltd.
- LNG GSPC Mundra-Bidding
- LNG Terminal PLL Dahej –PHASE III –Bidding

Rockwin Flowmeter India Pvt. Ltd., Ghaziabad: Since Jul'08~April '10 (1Year 10 Months)
Instrumentation Engineer

Key Result Areas:

- Turbine flow meter, Coriolis mass flow meter, PD meters, Metering & pressure reducing skids, product and services demonstration.
- Prepared quotation & techno-commercial offer preparation.
- Conducted testing and calibration of instruments like flow transmitters & flow meters and installation of flow meter to metering skids and other sites, Calibration at in-house NABL accredited lab.
- Developed technical quotations and offers and conducted technical negotiations with the client.
- Provided Project completion support and follow-up; operation and maintenance support to the customer as per the requirement.
- Successfully visited to various industries for generating business.

SCHOLASTICS

PGDBM (Operations): IMT Ghaziabad, 2017

B-Tech. (Applied Electronics & Instrumentation): ABES Engineering College in 2008

12th from Kendriya Vidyalaya, 2003

10th from Kendriya Vidyalaya, 2001

Software Skills:

- Smart Plant Instrumentation -2013 (INTOOLS)
- Smart Plant Review (2009/ 2010)
- SPI 2013, SPR 2010
- AutoCAD (2006/ 2008/ 2013/2016)
- MS Office

EXTRACURRICULAR ACTIVITIES

☞ Actively participated as Volleyball Player from 1998-2008

☞ Represented:

- Uttar Pradesh state in 7th Mini Nationals at Hoogly, West Bengal in 1999 & KV –Lucknow Region, KVS National Sports Meet at New Delhi in 1999
- Lead as Captain ABES Engineering College in various university level tournaments from 2005-2008 and attained Best Player Award several of times in consecutive years

PERSONAL DOSSIER

Date of Birth: 24th April 1986

Languages Known: English, Hindi & Maithili

Present Address: D2-604, Spring Meadows, Plot: GH07A, Greater Noida West -201306, Uttar Pradesh.

Permanent Address: L.C-67, ADA Colony, Naini, Allahabad (Prayagraj) – 211008, Uttar Pradesh