

## Curriculum Vitae

### Harshwardhan Maithil

Senior Engineer - Instrumentation

#### Synopsis

- I have 9 Years' experience in instrumentation involves in Erection, Installation and commissioning of instrument systems and perform conceptual and/or detail design & Procurement activities for Chemical & Power plants.
- I have done **B.E. in Electronics & Instrumentation Engineering** from BIST Bhopal affiliated from Rajiv Gandhi Technical University in year - 2009.
- I have done a Certification course in PLC, SCADA, and Electrical Control Panel & AC DRIVES from National Small Industries Corporation, Chennai.
- I have done a Certification course in Testing & Calibration of Industrial Instruments (pressure & Temperature), Advanced Training Institute, Chennai.
- From last 3 years, I am working as Senior Engineer(C&I) for **M/s Toshiba JSW Power systems Private Ltd** an EPC company for Thermal power plant Project of UPRUVNL (1X660MW HARDUAGANJ THERMAL POWER STATION EXTENSION-II) from 9th May 2017 to till date.
- I have also worked as Design Engineer in **M/s KSJ Techno-services Private Ltd** for duration 01.06.14 to 06.05.17. It is an Engineering EPCM consultancy of Chemical & Effluent Treatment plants for various industries in India as well as abroad.
- I have worked as Assistant Engineer for **M/s Orient Paper & Industries Ltd.** a heavy hazardous chemical industry for duration 3 years from 19.03.11 to 30.03.14.

#### Work Experience (Present)

<b>Organization</b>	:	<b>M/s Toshiba JSW power systems pvt ltd.</b>
<b>Designation</b>	:	<b>Senior Engineer - Instrumentation</b>
<b>Duration</b>	:	<b>3 Years (09th May 2017 to till date)</b>

#### Job Profile

- I am involved in selection & Evaluation of Technical specification of field instruments for mechanical packages in power plant for the systems like Coal handling plant, Electrostatic precipitator, Water & waste water treatment plant, Fuel oil handling system etc. Preparation of Technical specification RFQ with BOQ of field instruments & analytical instruments. Selection for control valves, On/Off valves, and flow, Pressure, temperature measuring instruments.
- Preparation of Technical specification for instrument & control cables, Erection hardware, bulk material.
- Review the instruments datasheets and issuing the manufacturing clearance & follow up with vendor & also review the complete BOQ along with mandatory spares required for the system.

## **Past Experience**

**Organization** : **KSJ Techno-services private Limited.**  
**Duration** : **June 2014 to May 2017**  
**Designation** : **Engineer - Instrumentation**

## **PROJECTS WORKED FOR KSJ TECHNOSERVICES PVT LTD.**

1. Solu-Fert, Turkey
2. Detailed Engineering design for KLJ Organic Ltd, Qatar
3. KPR Industries (India) Ltd, A.P.
4. Meghmani Finechem Limited, Dahej (Gujrat)
5. Aditya Birla Chemicals, Thailand

## **Job Profile**

- I was involved in Preparation of basic & detail engineering documents.
- Preparation of Technical specification RFQ with BOQ of field instruments & analytical instruments.
- Preparation of Technical specification for instrument & control cables, bulk material.
- DCS/PLC input output list.
- Instrument list
- Logic Diagrams
- Cable interconnection Diagrams
- Hook-up Diagrams CAD drawings
- Instrument & JB location drawing & preparation of cable schedule.
- Preparation of Interconnection schedule, and accordingly the cable tray layout.
- Evaluating the Vendor offers for instruments & Technical analysis for recommendation with considering the necessary client requirements.
- Review the Type Test & Calibration Report for instruments, JB's, Instrument cables.
- Erection & commissioning of instrument and loop checking before the Test run of plant process before hand over to client.
- Installation checking of various types of Instruments, Cable Termination for JB & Marshaling Panels and Erection of Instrument in LIR/LIE & stanchion.
- Calibration of various kinds of Instruments like Transmitters, Switches, RTD. Thermocouple & Gauges.
- Commissioning of Field Instruments from DCS/PLC or with single loop controller.
- Loop testing and commissioning of various control loops.
- Testing & Simulation of logic conditions and Interlocks.
- Troubleshooting during commissioning, Signal throughput.

## **Past Experience**

**Organization** : **Orient Paper Mills (Caustic Soda Unit) Chemical Plant.**  
**Duration** : **March 2011 to April 2014**  
**Designation** : **Engineer - Instrumentation**

## **Job Profile**

- I was responsible for continuous operation of plant instrumentation with DCS operation of process instruments & utilities control operation.
- I have handled the field instruments & Temperature Transmitter, Temperature sensor ( RTD, Thermo-couple, Ni1000), Pressure Transmitter, Pressure Gauge, Safety valves, Level switch, Level Transmitter, Temperature controller, Flow meter, control valve, Electro pneumatic systems of a caustic soda chemical plant.
- I worked under complete project execution for capacity expansion of caustic soda plant from 40MTD to 100MTPD, where I was involved in preparation the purchase specifications, Review the Vendor offers, TBA preparation & assist to I& C leaders & managers with definition for technical recommendation & vendor clarification with technical information in accordance with the company QA programs & manuals.
- I also have a experience in Complete Execution of expansion project with procurement, Erection & Commissioning of instruments & I/o's Migration to DCS from old single loop control system with UPS & battery installation Of Caustic Soda Evaporation Plant, Amlai- Shahdol (M.P.)
- Reviewing the I & C related engineering drawings such as Equipment GA drawing, installation & hook-up diagram, loop diagram, wiring & interconnection diagrams, BOM for instruments & accessories.
- Installation checking of various types of Instruments, Cable Termination for JB & Marshaling Panels and Erection of Instrument in LIR/LIE & stanchion.
- Commissioning of Field Instruments and loop testing with DCS/PLC and with single loop controller.
- Calibration of Pressure Gauges, Pressure switches, Pressure Transmitters, Level Switch, Level Transmitter, Temperature Gauge, and Temperature Transmitter.
- Exposure in weighing scale & weigh bridge trouble shooting & calibration.
- Maintenance & Calibration of Control valve, On/Off valve & Motorized Valve.
- Calibration of Ph/ORP meter & Chlorine & O2 Gas Detector.
- Calibration Report preparation (Calculation of Best measurement capability and traceability and uncertainty measurement) and its software documentation (like, ISO, TPM, TQM).

## **Training**

- ISO 9001: 2008 standards, trainee, July 2012
- DCS DELTAV System, trainee, January 2013
- PSA Nitrogen Unit, trainer, July 2013
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## **Personal Details**

Date of Birth	:	25-07-1987
Father Name	:	Mr. Radhamohan Maithil
Language known	:	Hindi & English
Notice Period	:	1 Month
Present salary	:	10 LPA
Expected salary	:	Negotiable
Permanent Address	:	House no. 20/440, Bhargava Colony, Guna (M.P.)

Present Address:

D-201/4, Gali no.10, Arjangarh, Delhi  
Mobile: +91-9650391232  
E mail ID: hharshmaithil@gmail.com

**Declaration**

I hereby declare that all information stated above is true to the best of my knowledge.

**Date: 07-Jan-20**

**Place: Gurgaon**

**(Harshwardhan Maithil)**

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