

# AJAY SATIJA

H-803 , Mahindra Aura Society , Gurgaon

Mobile : +91-9999-00-6660

E-Mail : ajaysatija@gmail.com

## Professional Synopsis

- A proficient professional with more than 16 years of experience in having experience in Automation , Control and Instrumentation Engineering, Designs, Evaluations and preparation of Proposals, Technical specification , Vendor document reviews, Project management , preparation of costing sheets , Project executions , Meeting with vendors and customers , Customized engineering as per requirement , Project Engineering , Business Development , Co-ordination, PMP reports , Project Scheduling ,Business development , Site inspections , FAT , SAT in high growth Organizations of Power , Oil & Gas , Cement ,Glass sector, Substations and solar automation .
- Expertise in planning & execution of projects for plant set up, plant expansion, business process re-engineering, modernization and installation / commissioning of equipment's. Managing engineering issues during the Project phases to ensure a smooth transition into operational phase.
- An effective communicator with strong analytical, logical, problem solving, interpersonal & organizational managerial abilities.

## Skillset

<b>Technical skills:</b>
<ul style="list-style-type: none"><li>• RTU configuration using Toolbox-2, SICAM 230, DIGSI Configuration</li><li>• Basic knowledge of SICAM HMI , PAS Configuration , Wincc , Substation and Solar plant automation software selections as per application requirement</li><li>• Basic knowledge of SIPROTEC -4 &amp; 5 protection relays for various applications like Lines , transformer , Bus Bar etc</li><li>• Able to choose protection relays according to the specification and applications</li><li>• Communication protocols – IEC61850, Modbus, IEC104 communication protocols, Cyber Security basics</li><li>• PLC (Rockwell – Allen Bradley RS Logix 500), DCS (Emerson – Ovation OCR-1100) – FAT, Configurations, networking, logic testing, trouble shooting, Loop testing</li><li>• Project Management, Project engineering, Business development , Tendering, Proposals, Contract management,</li></ul>
<b>Software Skills &amp; Operating Systems:</b>
<ul style="list-style-type: none"><li>• Design tools like Aucotec - Engineering base, AutoCAD</li><li>• Project management software – WRIKE</li><li>• ERP- SAP (DMS module),</li><li>• Microsoft Office Suite, Adobe PDF</li></ul>
<b>Certifications</b>
<ul style="list-style-type: none"><li>• Introduction to IOT - CISCO</li><li>• Fundamentals of digital marketing-Google Digital Garage</li><li>• Project management foundation teams – LinkedIn</li><li>• Document management system-SAP</li><li>• Ov-Ovation-100 DCS- Emerson</li><li>• Swift advance Excel – NIIT</li><li>• Cyber security basic -Siemens</li></ul>

## Major Achievements

- Successfully **performed hardware and software FAT for Emerson DCS ( Ovation OCR 1100 )** Boiler section like Boiler Steam and water , Air and flues gas system , Boiler Auxiliaries at Mumbai & Noida , Indian office of Emerson , **FAT for Rockwell Automation ( Allen Bradley RS logix 5000 )** sections like DM/PT , Vibration monitoring system, stacker & Reclaimer, CHP , AHP, CPU.
- Successfully performed hardware and software FAT **for Emerson DCS (Ovation OCR 1100) Turbine sections like DEH, ETS, METS, MEH, MFT, BFPT in Shanghai, China** office of Emerson.

- Received star performer award for engineering, design, testing, FAT **for ONGC Hazira, Surat** India refinery project of Load shedding and Substation. Engineered automation solution having 80 no of loads and 6 nos of Generators with total 16 nos of contingencies with 100 ms of response time, integration of around 600 nos of different make IEDs of GE, ABB, Alstom and configuration using tools like RTU based tool box-2, SICAM 230, DIGSI.
- Nominated for 2 weeks of training in Austria on Industrial load shedding functional design specifications, RTU modules, load shedding relays configuration and software requirement
- Successfully performed engineering, testing, manufacturing & FAT for total 262 numbers of FRTU panels for **WBSEDCL, JUSCO & TATA POWER**.
- Performed the **Rockwell automation Engineering** for crusher house, Raw mill weigh feeder, Bag filters, stacker and reclaimer for new cement project of capacity 7600 tonnes /day for M/s Ambuja Cement, Chhattisgarh.
- Successfully Completed the Engineering work of Furnace, Tin Bath and annealing section for new project of capacity 460 tonnes/day of M/s Gold plus Glass Industry, Roorkee.
- Successful **before time Go live** of **ERP- Oracle & SAP** Implementation in Gold Plus group and Moser Baer group.
- Nominated as a **Group leader of 19 Trainees** during Training in Yaohua Glass company, Qinhuangdao, China for 6 Months in Hot end sections (Furnace, Tin bath, Annealing)

## Career Contour

---

### AGM-Projects

**Sharika Enterprises Private Limited (Oct'20 – Feb'21)**

#### Role and Responsibilities:

Project management, Engineering, Scheduling, Site execution as per contract specification, Finalization of sub-contractors and co-ordination with Government officials for smooth functioning for various projects like HPSEB – 33/11KV GIS at Himachal, JKPDD- 49 nos of RMU at Jammu and Kashmir, BRPL - 337 nos of FRTU installation at Delhi location, TPDOCL –Orissa, Fiber optic consultancy for BRPL SCADA systems.

### Systems Engineering-Manager

**Siemens India Ltd. (July'16 – Oct'20)**

#### Role Description:

- Conducting Internal Kick off meetings, review of costing, Resource allocations, Design, Site visit, Meeting with customers, Approval of drawings, modifications, customization as per site requirement, material ordering, manufacturing, Project management, Scheduling, Preparation of MIS reports, Organizing Project review meeting, witnessing and performing FAT/SAT activities
- Design engineering and preparation of Substation automation, Industrial projects and load shedding drawings like System Configuration, Panel General arrangements, relay selections, Wiring Schematics, Functional design specifications, FAT, SAT, GTP, Panel Design instruction sheet, Equipment list using tools like on Aucotec - Engineering base & AutoCAD tools
- SCADA Automation, testing, Substation automation, Solar substations, Load shedding, Generation control, RTU, SIPROTEC relays configuration on DIGSI, Substation SCADA software's, Communication protocols – IEC61850, Modbus, IEC104 communication protocols, Ethernet switches-Ruggedcom, Cyber security basics
- Configuration of RTU using TOOLBOX-11, Siprotec relays using DIGSI, Graphic displays using SICAM 230
- Design of Automation Systems for voltage levels ranging from 765kV, 400 kV, 220 kV, 132 kV, 66kV, 33kV, 22kV, and 11kV.
- Standardized check lists for review of automation drawings with respect to client requirements for error free drawings.
- Experience in working with esteemed customers viz. Power Grid Corporation of India Ltd, ONGC, OPTCL, The Tata Power Company Ltd, KEC International Ltd, Adani Wilmar, MRF, Renew Power-Solar substations, CESC, IOCL, Indorama Nigeria, Mable Nigeria
- Active focus on Costing effective designing and engineering.

**Major Projects undertaken:**

- **Moser Baer Power(Madhya Pradesh) Ltd , Annupur (2 x 600 MW) Phase-1 , Owner – Moser baer Projects Pvt Ltd , Consultant- TCE, EPC Contractor- LITL:** Review and evaluation of Bids and offers submit by Contractors like M/s LITL , Punj Loyds, BHEL etc , Review of technical deviations against RFP / Tender documents , Finalization of Project schedule , Master drawing list of C&I Boiler , Turbine sections like ID , FD , PA fans , Air preheaters , Air and flues gas system , Coal Mills , DEH , ETS , METS , MEH , MFT , BFPT and BOP Packages like CHP , AHP , DM/PT , Review and approval of all C&I design drawings /documents.
- **Moser Baer Power( Chhattisgarh ) Ltd , Birra ( 2 x 660 MW ) Owner- Moser Baer Projects Pvt Ltd , EPC Contractor – Moser Baer construction Pvt Ltd , Consultant M/s GEDI:** Worked on C&I technical specifications of Boiler , Turbine like Turbine sections like ID , FD , PA fans , Air preheaters , Air and flues gas system , Coal Mills DEH , ETS , METS , MEH , MFT , BFPT & BOP areas like CHP , AHP , DM/PT

**Role Description:**

- Technical design specifications, RFP, Technical offers, Proposals, Bids, deviations, MDL (Master drawing list) during post contract activities, Active involvement in bid stage evaluation for all major equipment's suppliers, Participation in technical discussion with various vendors (pre bid & post Bid)
- Review of P&ID's, Operation and Control Philosophy, Design base reports, Instrument Schedule, Hook-up drawings.
- Review of DCS/PLC (Emerson Ovation- OCR1100 and Rockwell- Allen Bradley RS Logix 500) designs specifications, design data sheet of processor, I/O Modules, Communication cables, design architecture, configuration drawings, CCR design.
- Completed FAT ( Emerson DCS- Ovation OCR-1100 ) for Boiler and turbine sections like Boiler Steam and water , Air and flues gas system , Boiler Auxiliaries , DEH , ETS , METS , MEH , MFT , in Mumbai , Noida & Shanghai , PLC FAT done ( Rockwell automation , Allen Bradley , RS Logix 500 ) for DM/PT plant &, CHP , AHP , CPU , Vibration monitoring system in India.
- Involved in Software and hardware testing, logics, loop checking, Permissive, protection, graphics, panel GA, wiring drawings as per control philosophy, P&ID's, I/O list review and evaluation for various packages like boiler, turbine and balance of plant areas.
- Co-ordination with Site Vendor, EPC Contractors, and Consultant for Engineering related works, schedules, Site visits and managing engineering, erection and commissioning issues during the Project and operational phase

**Previous Experience**

---

- |  |   |
|--|---|
| • <b>Asst Manager – Electrical &amp; Instrumentation</b> | <b>Holtec Consulting Pvt Ltd (Apr'10 – Jul'10)</b>    |
| • <b>Sr Engineer – Electrical &amp; Instrumentation</b>  | <b>Ambuja Cement Ltd (Feb'09 – Apr'10)</b>            |
| • <b>Project Engg – Electrical &amp; Instrumentation</b> | <b>Gold Plus Glass Industry Ltd (Sep'04 - Feb'09)</b> |

**Roles and responsibilities:**

- Worked on Project management , Engineering , commissioning, operation and maintenance in Crusher section, CHP, LS Stacker & Reclaimer LS Raw Mill weigh Feeder, Bag filters sections
- Worked on Project management , Engineering & commissioning work in Furnace, Tin Bath and annealing section.
- Worked on Project management , Engineering & commissioning work in Flat and bending safety glass line

**Education**

---

- B.E. (Instrumentation and Control) from Apeejay College of Engineering, Gurgaon (MDU) in 2003.
- PGDBM (DLP) - IMT Ghaziabad in 2007.

**Personal Details**

---

Date of Birth:	19 <sup>th</sup> Dec' 1981
Marital Status:	Married
Passport Details:	Valid Up to September 2023 (L5143558)

Unrestricted