

DHARMAVARAPU PHANI VEMKATA SAIRAM**CONTROL & INSTRUMENTATION ENGINEER**

B.TECH (ELECTRICAL & ELECTRONICS)

Mob. No.-+91 9441258321

6301348595

E-mail id- dpvsai333@gmail.com

Language proficiency : Telugu, Hindi and English & Tamil, Kannada

PLC & DCS EXPERIENCE

PLC	Schneider MM340 quantum, Schneider Modicon 140CPU6710, Siemens S7200
DCS	ABB 800xA, SUPCON ES100
SCADA	Vijeocitec 7.4, Graphics builder, Advantrol 2.65
LOGIC SOFTWARE	SCKey, Unity pro XL 11, Step7 Microvin V4.0, Control builder 6.2
Common Software	Windows OS, Microsoft Office, ERP, SAP (PM& MM Modules)

CURRENT PROFILE

- Working with BMM ISPAT LIMITED in power plant as Control & Instrumentation engineer

Duration in company: 02/05/2019 to till date

Ready to relocate: Yes

EMPLOYER: M/S BMM ISPAT LIMITED (May 2019 to till date)

- **Capacity : 1 X 70 MW & 1 X 25 MW Overall Plant C&I Maintenance**
- **Role : Engineer Power Plant**

RESPONSIBILITIES:

- Maintenance and calibration of TSI – Bentley 3500
- Maintenance and calibration of Smart Positioners (ABB & Siemens, Tissin)
- Maintenance of MOV's like Auma and Rotark.
- Maintenance of Field instruments like Tc, RTD, Switches and transmitters & local gauges.
- Maintenance and Calibration of SPM Sensors and O2 sensors.
- Maintenance and Calibration of pH and Conductivity sensors.
- Instrumentation maintenance in WTP.
- Instrumentation Maintenance in Waste Heat Recovery Boilers.
- Instrumentation Maintenance in CFBC, AFBC Boilers.
- Instrumentation Maintenance in Steam turbine. (25MW & 70MW)
- Instrumentation Maintenance and modifications of Ash Handling and Silo.
- Instrumentation Maintenance in Compressors
- Participation safety Mock Drills and technical trainings and Internal Audits and external audits.
- Raising Purchase requisitions & Service Requisitions and material management.
- Maintaining critical spares as per requirement
- Attending safety meetings and monthly review meetings.
- Modification works in instrumentation for company growth

PREVIOUS PROJECTS

EMPLOYER: M/s.BGR ENERGY SYSTEMS LTD

Project 1: Gayatri Power Plant, NELLORE (October 2014 to September 2015)

Client: Thermal Power Corporation India Limited (TPCIL)

Capacity : 2 X 660 MW SUPER CRITICAL (EPC Overall Plant)

Role : Engineer – C&I Erection & Commissioning

RESPONSIBILITIES:

- Knowledge in Instrumentation & control drawings, Hook-ups, datasheets, I/O wiring diagrams.
- Erection of impulse line as per P&IDs ensuring the quality activities.
- Erection of Electronic earth pits as per standards.
- Integration of system cabinet, control panels, marshalling cabinets, cable routing dressing and termination.
- Hot loop & Cold loop checking.
- Cable trays erection as per routing drawings.
- Understanding loops in FDA system and reading of respective drawings.
- Addressing of erected sensors with respected drawing and proper record of addressing.

Project 2: OPGCL ODISHA, JHARSUGUDA (October 2015 to Nov 2018)

Client: Orissa Power Generation Corporation India Limited (OPGCL)

Capacity : 2 X 660 MW SUPER CRITICAL (EPC BOP)

Role : Engineer – C&I Erection & Commissioning

RESPONSIBILITIES:

- Erection and commissioning of level switches (conductivity type, external float, top mounted) and Level transmitters (DP, Ultrasonic, Radar (guided wave), flush diaphragm types).
- Erection of Flow elements Orifice plates and Annubars in pipe lines.
- Erection& Commissioning of BYPASS rota meters (Flow indicators)
- Erection of flow indicators (Online flow through type).
- Erection and commissioning of level gauges (float& board and float &tape , Reflex type & Transparent and tabular type)
- Erection and commissioning of Flow transmitters (DP, EMF&Vortex type, Ultrasonic type)
- Erection of VMS panels and sensors
- Erection of battery banks and charging, discharging of battery banks
- Erection of UPS system and charging & Functional checks.
- Good knowledge in plant networking (DCS or PLC with RIO's)
- Soft link communication RS 232 & RS 285 & Hardwire communication to PLC.
- Conducting FAT (Factory Acceptance Test) and SAT (Site Acceptance Test) of different PLC and DCS & Batteries
- Review of IO lists and network architectures Instrument datasheets & Panel GA drawings.

EMPLOYER: M/S Chennai Radha Engineering Works Private limited (December 2018 to April 2019)

Project 3: Adani Power Mundra Limited Ultra Mega Power Plant

Capacity : 5 X 660 MW SUPER CRITICAL & 4 X 330 MW (CHP C&I Maintenance)

Client : Adani power Mundra Limited, Gujarat.

RESPONSIBILITIES:

- Maintenance of safety switches in all conveyors like Belt sway switch, Pull cord switch, Zero speed switch.
- Preventive maintenance
- Good Knowledge in SAP PM Module and PTW, LOTO System.
- Calibration of belt weighers.
- Maintenance of PA system and CCTV in all over CHP.

TECHNICAL DOCUMENTATION

- **ECC** (Erection Clearance Certificate) Respective protocols
- **SRCC** (Safety Rules Clearance Certificate) Respective documents
- Preparation of calibration reports for different instruments and **protocols** & Erection and Commissioning.
- Assigned workloads for per month work according to **downtime availability**.
- **LOTO** (Lock out and Tag out) permit system & Work to permits.
- **Monthly Reconciliation** statements
- **Mandatory spares** handing over and respective documents.
- Checking of **BBU** and raised invoices for mandatory spares handing over and protocol preparation.
- Preparing various **checklists for field instruments and like UPS, PLC, and Batteries** also..
- Preparation of **SOP & SMP** for standard instruments.
- Involvement technical documentation and in **ISO & EOHS**.

DECLARATION: I hereby declare that all the above details are true & genuine to the best of my Knowledge.

D.P.V.SAIRAM