**PEDDAGORANTLAGARI MAHESH NAIDU**

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**Career intent:** To work in a company with a professional work driven environment where I can utilize and apply my knowledge, skills & my proficiency for a subjective growth and success of the organization I am working with.

**Experience: Total 5 years,6 Months**

* **Currently working as Senior Executive-Electrical & Instrumentation in SNF (India) PVT Ltd (Subsidiary of SNF FLOERGER France) in Engineering Department.**
* Worked as **Executive-Electrical & Instrumentation from August 2015 to 2019 in SNF India PVT Ltd.**
* Playing an active role in **Projects** (Facility of Acrylamide production plant from Acrylonitrile & production of other water-soluble polymers. This includes Construction of **11KV/415 V substation, Commissioning & Testing of PCC, MCC panels, Utilities,FCS)Plant maintenance & Process Improvements.**

Presently handling the equipment’s(Operations, Maintenance & Trouble shooting) independently

* 33KV/11 KV, 5 MVA Transformer & 11 KV/415 V, 1.6 MVA Transformers(Make: Schneider)
* SF6 breaker (Rating 1250 Amps, Voltage:33 KV,Make: Schneider),Vacuum Circuit Breaker (Rating 1250 Amps, Voltage:11 KV ,Make: Schneider) ,Air Circuit Breaker (Rating 2500 Amps, Voltage:415 V).
* H.T Panels with L.B.S(Rating; 630 A, 12 Ka), L.T, M.C.C, Capacitor panels, A.H.F Panels.
* UPS (Online UPS Rating:30 KVA, Offline UPS Rating:15 KVA)
* 3-Phase AC Induction Motors up to 200 KW, Voltage:415 Volts
* Variable Frequency Drives (Make: Danfoss, Highest Rating:160 KW) & Soft Starters.
* Diesel Generators of capacity 1500 KVA(Make:Cumins);630 KVA DG(Make: Volvo Penta)
* Field Control Station and DCS (Yokogawa Centum VP with V-net IP communication).
* Residual Temperature Transmitters (Make: Endress+Hauser)-3 & 4 Wire.
* Differential Pressure Transmitters of HART protocol (Make: Yokogawa) & Level Sensors(Make: E + H).
* Magnetic Flowmeters, Mass Flowmeters, Vortex Flow meters of HART Protocol (Make: Yokogawa).
* Control Valves (Make: Masonelian, Emerson) & Level Switches (Make: Vega)
* Weighing Balances (Make: Mettler Toledo & Precia Molen, Range- 20 Kg to 60 Tones) & Conveyor System.
* Pneumatic Valves with Single Acting Spring Return Actuators (Make: Sirca)
* Multi-Gas Detectors (Model: OLTC 100), Photo Electric Sensors, & PH Sensors(Make:Yokogawa).

**Maintenance & Projects**

* Daily monitoring of equipment’s, Power factor,Demand,Power consumption, Harmonics Levels to know the operational status of the plant and Daily follow up of Logbooks & rectifying problems.
* Operation and Maintenance of Sub Station and its switchgear(Voltage Level:33 KV & 11 KV outdoor type).
* Maintenance of 3-Phase Motors, Diesel Generators & UPS.
* Ensure Safe Operation of Ammonia Chillers (Rating:284 TR at -6 Degrees), Air Compressors (Rating:500 CFM at 7 bar) and Boiler(5 TPH at pressure 10.54 Kg/Cm2).
* Stock management, procurement of Spares and maintaining inventory.
* Preparation of Electrical and Instrumentation Maintenance Expenditure and Budgets.
* Coordinating with Manager in Statuary requirements (CEIG, Legal Metrology) for Internal/External Audit Compliance and Government Liasoning.
* Preparation of Standard Operating Procedure (SOP's) for Operation of equipment’s.
* Planning, Implementation of Preventive maintenance schedule/AMC Schedules of Equipment’s & achieve 100% compliance every month.
* Involvement in production & engineering technical meetings for process improvements.
* Preparation of Maintenance/Breakdown reports and do Root Cause Analysis (R.C.A) of the Breakdowns and its effective implementation of its Corrective Action & Preventive Action (C.A.P.A).
* Preparation and Checking of Power Bill's from APEPDCL board.
* Have knowledge on ISO 9001-2018 IMS Documentation.
* Preparation of BOQ’s for projects & supporting in Tendering and procurement.
* Studying of P&ID and Preparation of IOM’s, Cause & Effect Tables for Sequence Logic Generation.
* Commissioning & Testing of transformer; HT; PCC;MCC panels & Diesel Generators as per interlocks.
* Successful and Safe Installation of Yokogawa cards, modules, preparation of internal wiring for the instruments, Installation of cable trays & Junction boxes as per drawing with optimal cable consumption.
* Carrying all the pre-commissioning and commissioning activities on all new Instrumentation equipment (Loop checking of Instruments, Water Trails and Product trails as per the sequence and DCS interlocks).
* Have hands on Experience on DCS operation and its troubleshooting.
* Following safe practice during shut down and start-up of plant in a sequential order.

**Education:**

1. **M-Tech (High Voltage Engineering)**,**72 %** of aggregate, **2015** from Kakinada Institute of technology and sciences (Affiliated to Jawaharlal Nehru Technological University, Kakinada)
2. **B. E (Electrical & Electronics Engineering),** **8.08/10 (C.G.PA),2013** from Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam (Affiliated to Andhra University Visakhapatnam).
3. **Intermediate, 94.3 %** of aggregate,**2009** from Narayana Junior College.
4. **10th Class** (CBSE), **84.4** **%** of aggregate, **2007** from Akshara School.

**Certification:**

1. **11 KV “C” Electrical License** **holder(From 2018 to 2023)** issued by **Andhra Pradesh Electricity Board.**
2. **Completed a Certified Course in Centum VP Fundamentals & Engineering, PRO-Safe RS-Engineering**

**(YOKOGAWA) in April 2016.**

1. **Completed P.G Diploma in Electrical Safety Course** from Annamalai University in the year 2015.

**Technical and Software proficiency:**

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| 1. DCS: Centum VP (Yokogawa) 2) PLC: Siemens. 2. AutoCAD, E-tap. 4) MS office (MS power point, MS excel, Microsoft Office & Lotus Notes) |

**Abilities:**

1. Can work as a team and a team leader. 2) Target oriented and work minded.
2. Good Conceptual and industrial exposure. 4) Problem solving & adaptive.

**Affirmation:**

I hereby declare that the above furnished details are true and would appreciate to call at any time to know about my details. You could always contact through my mail.

Thanks & Regards,

**P. Mahesh Naidu**