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Padarti Sireesha Aditya

ELECTRICAL OPERATIONS & MAINTENANCE

Expertise in Planning, Execution, Testing-Commissioning and Operation-Maintenance of Electrical Systems in Power industry.



Career Timeline

2009 to 2011

Vasavi Power
Services Pvt. Ltd. as
Trainee Engineer

2013 to 2015

Jayashree
Electromech Pvt.
Ltd. as Testing &
Commissioning
Engineer

2011 to 2013

Vasavi Power
Services Pvt. Ltd. as
Testing Engineer

2015 till date

Sudanese Thermal
Power Generating
Company as Sr.
Engineer Electrical



Key Impact Areas

Operations & Maintenance



Execution & Commissioning



Client Relationship Management



Documentation



Relay Testing



Testing Management



Planning



Liaison & Coordination



Project Execution



People Management



Key Skills



Executive Profile

Electrical Commissioning & Maintenance specialist with 4.0 years of experience. Skilled at Testing & Commissioning of Power Transformers, HT/LT Switchgear and Switchyard equipment's and Numerical Relay testing. Hands-on experience in Maintenance activities of all Electrical Equipment's in Thermal Power plants & Switchyards. Monitored project activities & coordinating with various agencies to maintain targeted schedules. Prepared schedules for preventive maintenance, checklists for daily, weekly or monthly checks for equipment as per requirement. Fore fronted performance bottlenecks and took corrective measures to avoid the same; ensured effective site management and discipline to ensure safe execution of the projects. Administered erection, testing and commissioning of equipment and providing utility services to equipment. Analyzed maintenance issues & providing technical support ensuring performance. Exposure in field instruments like RTD, thermocouples, transmitters/pressure/ temp gauges/switches.



Education & Credentials

- ❖ B.Tech. (Electrical & Electronics Engineering) from Jawaharlal Nehru Technological University, Hyderabad in 2009



Technical Skills

- ❖ IEC and IEEE standards
- ❖ Circuit Breaker Analyzer- Scope Make, CT Analyzer-Megger make
- ❖ Transformer Testing Kits-TTR, DC winding Resistance, SFRA, Vector Group of Megger & Scope Make
- ❖ Omicron-Test universe CMC256, CMC156, Ponova-Power Test Software, Freja 300, Sverker 760 and Sverker 900
- ❖ S1 Agile/ Studio-Micom, Digs-Siemens, PCM-ABB, Enervista- GE and Sepam- Schneider
- ❖ MS-Office, MS Power Project & Windows



Selected Highlights & Contributions

- ❖ Achieved maintenance cost reduction through counter-driven maintenance such as Vibration Analysis, Infrared Cameras to detect high temperature, Acoustic to detect leaks, Oil Analysis- PPM to determine asset wear, Current and voltage readings of motors, and so on
- ❖ Implemented predictive maintenance for Transformers, HT/LT panels, Motors and all Electrical Equipment
- ❖ Managed the predictive & preventative maintenance program and drove continuous line improvement by taking data collection from various equipment
- ❖ Conducted Preventive, Predictive, Corrective, Breakdown and Shutdown Maintenance at 2*250MW Port Sudan power station- Sponge coke fired, 4* 125MW Kosti Thermal power station- oil fired
- ❖ Executed various planned maintenance activities such as Relays testing at sites based on fired hours



Professional Experience

May'15 till date

Sudanese Thermal Power Generating Company, Sudan as Sr. Engineer Electrical

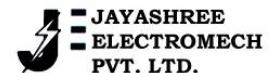


Role:

- ❖ Managing Operations & Maintenance and troubleshooting of Generators, Transformers, HT/LT panels, Switchgear, Circuit Breakers, D.G sets, EOT crane, and so on
- ❖ Planning preventive and breakdown maintenance of electrical equipment
- ❖ Performing annual protective maintenance and overhauling activities in Power plants associated with STPG
- ❖ Generating daily and monthly reports
- ❖ Administering numerical Relays Testing of Generator, Motor, Transformer Protection Relay, Differential Relay, REF Relays make ALSTOM, ABB and GE Relays
- ❖ Steering efforts in:
 - Analyzing and troubleshooting of faults and Protection performance
 - Preparation of testing & commissioning protocols and ensuring of proper quality standards and safety rules
- ❖ Collaborating with the client, consultant, engineering and procurement department regarding the interfacing of construction activities and material & equipment availability
- ❖ Supervising and motivating a team of technicians and operators to achieve the excellence

May'13 – April'15

Jayashree Electromech Pvt. Ltd., Pune, India as Testing & Commissioning Engineer



Role:

- ❖ Spearheaded the following activities such as RELAYS – O/C Relay, E/F Relay, Motor Protection Relay, Transformer Protection Relay, Differential Relay, REF Relay, and all types of Numerical relays like ABB, ALSTOM and L& T Relays
- ❖ Performed testing & commissioning of 765/400/220KV Substation Equipment's, Power Transformers, Busduct, and HT/LT Panels, HT/LT cables
- ❖ Formulated cable schedule and termination schedules
- ❖ Tested and commissioned power transformers up to 315 MVA
- ❖ Executed maintenance activities in Switchyard, HT-LT Panels & Transformers, Bus Ducts and all Auxiliaries in Power plant
- ❖ Installed & commissioned UPS, Battery Charger and Battery system
- ❖ Managed PANELS –scheme checking and commissioning of HT Panels, LT Panels, Synchronizing Panels, Control & Relay Panels, MCC Panels, PCC Panels, DG panels and Emergency Panels with all equipment

Projects Handled:

- ❖ 765/400/220KV PGCIL, Sub-station, Aurangabad, Maharashtra
- ❖ 765/400 PGCIL, Sub-station, Raichur, Karnataka
- ❖ 132/33KV Sub-station, Khombalne Wind Power, Nashik, Maharashtra
- ❖ 400KV Switchyard, YTPS, Karnataka
- ❖ 132KV Switchyard, NTPC-SSTPS, Singrauli, MP

June'09-May'13

Vasavi Power Services Pvt. Ltd., Hyderabad

Joined as Trainee Engineer and rose to the post of Testing Engineer



Projects Handled:

- Title:** 4 X125 MW Kosti Thermal Power Station, Sudan
- Client:** Bharat Heavy Electricals Limited
- Customer:** Sudanese Thermal Power Generation Co.
- Period:** 2011 - 2013
- Role:** Testing Engineer
- Key Result Areas:**
- ❖ Administered the following activities:
 - Testing & commissioning of 220KV Switchyard Equipment's, Power Transformers,

Busduct, and HT/LT Panels

- Testing & commissioning of 150MW Alternator and their Auxiliaries
- Installation & commissioning of 110V and 220V DC system like, UPS, Battery Charger and Battery system
- Scheduling of resources, manpower, preparing detailed weekly, monthly plans in MS project and monitoring & reporting progress of daily activities as well as creating running account bills

Title: 2x 125 MW SLPP, Surat, Gujarat
Client: Bharat Heavy Electricals Limited
Customer: Gujarat Industrial Power Company Limited
Period: 2009 - 2011
Role: Trainee Engineer/ Engineer-Electrical
Key Result Areas:

- ❖ Led the following activities:
 - Erection of all electrical equipment like HT & LT Switchboard Generator Transformer, Station Transformer and Busduct
 - Preparation of cabling interconnection as per field requirement
 - Testing of HT/LT Switchboard and Busduct



Personal Details

Date of Birth: 3rd July 1986

Languages Known: Telugu, English, Hindi, Arabic (only Speak)

Address: 12/344, Kamsali street, Santhapet, Nellore, Andhra Pradesh, India.

Nationality: Indian

Passport Details: H0551138 (Dt. of expiry 2018)