

S. VIGNESHWARAN

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Executive Summary:

As astute professional with valuable experience of nearly 11 years in Power plant industry that covers Mechanical Maintenance of Boiler, Turbine and its auxiliaries. Having good knowledge in breakdown, preventive and predictive maintenance. Currently spearheading as Engineer – Mechanical Maintenance in the organization of NOMAC 3 X 420 MW, Shuaibah-III. SIWPP, Jeddah, KSA.

Duties & Responsibilities:

- ❖ Maintain availability of rotary and static equipment's to achieve targeted plant production.
- ❖ Ensuring quality supervise and timely completion as per planning to make plant availability.
- ❖ Follow Predictive, Preventive and Condition based maintenance as per SAP PM module to enhance the reliability of all Equipment's.
- ❖ Implement training and motivate team members in various aspects for ensuring the availability of required skill set and talent for identified positions and work.
- ❖ Implement and Execute SWPs, checklist for work permit, history card and Spare inventory list to achieve the quality of work.
- ❖ Co-ordinate with condition-based monitoring activities (Vibration Analysis, Oil analysis, Coal sample Analysis) to protect the equipment life without any breakdown.
- ❖ Maintaining and developing spare parts for critical equipment for planned and routine maintenance.
- ❖ Finding vendors for spares and preparing of purchase request and maintaining of consolidated consumables (Bearings, Fasteners, General Consumables, Power transmissions, Lubricants, etc.)
- ❖ Preparing breakdown reports for RCFA and monthly performance reports.
- ❖ Involved in workshop area daily activities planning and maintain 5S, proper tools inspection and preparing required certification.
- ❖ Technical data preparation for new projects with estimated cost and vendors.

- ❖ Planning and scheduling Preventive Maintenance proposals according to laid out SOP/norms.
- ❖ Budget assisting for service, spares cost reduction & reduce machines breakdown.
- ❖ Making proper plan and scope of work for Annual Maintenance Contract.

Work History:

- ❖ Working as Engineer- Mechanical Maintenance in NOMAC 3*420 MW Shuaibah-III, SIWPP, Kingdom of Saudi Arabia. From Dec 2024 to till date.
- ❖ Worked as Senior Engineer – Mechanical Maintenance in OPG Power generation private limited, Gummidipoondi, Tamil Nadu. From Oct 2019 to Dec 2024, which is 3 X 80 MW & 1 X 180 MW coal-based Power Plant, Sub critical boiler Pulverized fire.
- ❖ Worked as a Mechanical Maintenance Engineer at Hofincons InfoTech & Industrial Services O&M, (Quess Corp. Division) Client: Sterlite copper, Thoothukudi & Dalmia cement, Karnataka – Aug 2015 to Sep 2019.
- ❖ Worked as a Shutdown Engineer through Power Control (TUTICORIN THERMAL POWER STATION, 5*210MW) Thoothukudi, MAR 2015 - AUG 2015.
- ❖ Worked as a Graduate Apprentice Trainee STERLITE COPPER, Thoothukudi. FEB 2014 - FEB 2015.
- ❖ Worked as a Mechanical Draftsman Nu-Tech Components (Unit Supplier of Delphi-TVS) Chennai, Tamil Nadu. JUN 2013 - FEB 2014.

Knowledge In:

- ❖ Maintenance, troubleshooting & overhauling of Boiler, Steam Turbine, APH & auxiliaries.
- ❖ Boiler breakdowns (Tube puncture identification, Tube thickness survey, tube replacement).
- ❖ Alignment checking and correcting for rotating equipment (Pumps, compressor, fans & etc.)
- ❖ Maintenance and troubleshooting of fans, blowers, ESP, Heat Exchanger, Ash handling system.
- ❖ Maintenance and troubleshooting of Compressors & Desiccant type & refrigerant type dryers.
- ❖ Maintenance and troubleshooting of centrifugal single and multistage pumps.
- ❖ Maintenance of Denim and RO plant, MSF unit & its auxiliaries.
- ❖ Maintenance and troubleshooting of dosing pumps and agitators on chemical plants.

- ❖ Maintenance, troubleshooting of safety valves and Relief valves.

Professional Qualification:

- ❖ B.E., in Mechanical Engineering from Mailam Engineering College, Villupuram, Anna University, Chennai passed in 2013 in First Class Marks obtained: 7.48 CGPA
- ❖ Diploma in Industrial Safety (DDE) Annamalai University, Chidambaram, 2021.

Core Competencies:

- ❖ SAP - PM and MM module
- ❖ Mechanical equipment- Periodic, Preventive and shutdown maintenance.
- ❖ Repair and Refurbishment.
- ❖ Troubleshooting and analysis.
- ❖ Contractor management.
- ❖ HSE training.

Software Skills:

- ❖ MS-Office (MS Word, Excel & Power Point).
- ❖ SAP S4/HANA & CMMS
- ❖ AutoCAD.

Personal Profile:

D.O. B: 10.06.1992

Nationality: Indian

Language proficiency: Read, Write & Speak in English Tamil & Hindi

I believe that the above-mentioned information is true, and I thoughtfully acknowledge the furnished details.

Place:

Yours Truly

Date:

(VIGNESHWARAN S)