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01year (01.6.2013-31.05.2014) Maintenance Experience of 6\*210MW and 6\*500MW Boiler of NTPC VSTPP under Tiranga construction, Vindhyanagar (MP).

02years (15.06.2011-31.05.2013) experience of 6\*210MW and 4\*500 MW boiler of NTPC VSTPP Under project engineering services (UPL as a prime contractor)

**NATURE OF WORKS IN RELIANCE INDUSTRY LIMITED, JAMNAGAR**

* Condition monitoring of rotary equipment like pumps, compressors, blowers, fans, turbine, agitator and extruder.
* Mobilized resources for day to day mechanical maintenance activities and ensure compliance to procedures and best practices. Analyses mechanical maintenance cost and budget.
* Mechanical rotary equipment periodic, proactive and shutdown maintenance repair & refurbishment trouble shooting & analysis. Execute mechanical maintenance task with quality. Supervise mechanical maintenance task to ensure quality and timely completion and as per planning.
* Mobilized resource for day to day mechanical maintenance activity ensures compliance to procedures and best practices. Analyses mechanical maintenance cost and budget.
* Prepare audit related documents for manager. Conduct regular trouble shooting and analysis when appointed as a member of RCA team. Collect discipline data and performance monitoring and reporting. Contract management.
* Implementation of recommendation, Carryout preservation activity as per schedule, Identify & interact with workshop for repair activity. Maintain equipment history / record
* Planning Responsible for scheduling and execution of routine and shut down maintenance of equipment.
* Supervise of quality checks during overhauling of critical rotary equipment, Assistance / association in repair and refurbishment of rotating equipment / component. Tracking history for each equipment and analyze the root cause for a failure.
* Troubleshot different vibration problems (misalignment, unbalance, resonance, cavitations, piping stress, bearing failure, soft foot, etc.) Inspecting various parameters such as Vibration, Bearing temperature, Sound, RPM, and Alignment Checks for different types of machines like compressors, electrical motors, Gearboxes and pumps
* Carry out equipment and spares inspection as per GA drawing and Bill of material.
* Hydro test and pneumatic test of exchanger, piping’s and Reactor jacket.
* Loop checking as per PID and ISO drawings as well as flushing (air, water, card board blasting, pigging, Rotomol activities.
* Contribution for the pre commissioning and commissioning activities.
* Involvement in PSSR Activities.
* Leak identification from flanges and manhole by nitrogen flow.
* Material codification and nomenclature on tools.
* Pumps(Sulzer, KEPL, KBL, KSB, Flowserve,Mather&pallet, Swelore, positive metering)
* compressors (**Howden Elliot, Burckhardt)** pro run, operation &maintenance activities
* Valves and NRV travel and flow direction checking.
* Internal installation for hydrocarbon vessels
* Catalyst loading in hydrocarbon vessels.
* Planning and resources for next day job.
* Extruder (**Coperion &welding Engineers**) shutdown and maintenance job.
* Refrigeration and VGR (**Burckhardt**) Compressor maintenance job.
* PPB, PBT, PDS, FEEDER, BLOWER inspection and maintenance job.
* Reactors of type **polymerization, CSTR, Batch type, Glass line** inspection, Tray installation, and maintenance job.
* Reciprocating and centrifugal compressor commissioning and maintenance job.
* SILO Inspection and cleaning job.
* **Column** erection and tray installation, mockup test, TSR checking, tray level checking job.
* **SAP permit issuing and material purchase.**
* Cooling tower (**Paharpur**) commissioning & maintenance job**.**
* **Agitato**r installation, seal Replacement, gearbox maintenance job.
* **Steam and gas Turbine** commissioning and maintenance activity.
* Chiller plant (VAM&VCR) & commissioning and maintenance job.
* DM and RO plant, Air compressor, Dryer, Balance of plant**, ETP**, **Sewage treatment plant (STP),** Bag filter maintenance job.

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**NATURE OF WORKS IN TATA POWER (CGPL) 800X5 MW**

* Leading activities in tool box talk and job safety analysis before the job.
* Preparation for mobilization and demobilization man power & Equipment
* Participation in all the safety measures to be implemented during plant maintenance activities.
* Acquired extensive knowledge in preventive maintenance of mechanical equipment, spare parts planning, Shutdown planning, etc.
* Trace failure and RCA of repetitive failure.
* Prepare JSA for the entire shutdown job in accordance with standard safety policies, and procedure.
* Planning and execution of major and minor maintenance activities/shutdowns of the plant
* Leading activities in spare parts segregation and tools tackle inspection.
* Attending break down due to tube leakage in boiler
* Preparing different types of metals joint like T11, T12, T22, T23, T91, T92, SUPER 304H.
* Attending tube leakages at various location (In which preparing sky climber)
* Overhauling different type of valve including SAFETY VALVE, MSSV GATE VALVE, GLOBE VALVE, CONTROL VALVE and also WR, ZR valve.
* Structural and fabrication work for plant plate form extension work
* Different types of Non distractive test like DP TEST, RADIOGRAPHY TEST,
* Performing different type metal treatment process including PREHEATING, POST HEATING, and STRESS RELIEVING PROCESS.
* Overhauling of LRSB, HRSB, and WALL BLOWER.
* Good knowledge about BURNER.
* Responsible for HFO, LDO pump house maintenance.
* **Vacuum pump, CEP, BFP** hands on experience of commissioning and maintenance activities.
* Mill (Bowl) Rotor, liner plate and Bearing replacement job.
* Gravimetric feeder belt and pulley replacement job.
* ID, FD, PA fan blade angle setting, bearing replacement and overall maintenance job.
* Heater tubes leak identification and plugging job.

**Equipment handled: -**

* Soot blowers (make diamond)
* STEAM TURBINE
* ESP
* Safety valve (make dresser)
* Control valve and MOV.
* Mills and feeder.
* HP unit.
* Coal nozzle of burner.
* HFO Heater
* Structure and plate form fabrication work.
* Hot and cold air duct.
* Compressor and pumps
* CHP

**EDUCATIONAL DETAILS**

**S.S.L.C**– Bihar school examination board Patna, Bihar with 75.5% (2003).

**H.S.C.C**– Bihar intermediate education council Patna, Bihar with 59 %( 2006).

**B.E**– RKDF institute of science and technology Bhopal, (RGPV University) with69.8 (2007-2011)

**PERSONAL DETAILS:**

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| --- | --- |
| Full Name: | Mr. Vijay Prakash |
| DOB | 31/01/1989 |
| Nationality | Indian |
| Sex | Male |
| Marital status | Married |
| Language known | Hindi, English, Bhojpuri |
| **Permanent Address: -**  village | Prastampur |
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Date signature