**Experience Mechanical Engineer**

**Post Graduate Programme in Thermal Power Plant**

**DHANANJAY KUMAR**

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**DOB :**05/02/1991

**RESIDENCE :** Chatra , Jharkhnad.



**Aspiring for challenging assignments in Maintenance & Operations of Thermal Power Plant sector**

**Professional Profile**

* A goal-driven professional with **5.5 + years** of extensive experience in managing **Plant Maintenance & Operations.**
* Extensive experience in mechanical maintenance in ,BTG, BOP ,and Auxiliaries . WHRB, AFBC , CRITICAL ,SUPER CRITICAL boiler, TURBINE , Bowl Mills, axial ,radial , centrifugal fans and pumps.

**Key Result Areas**:

* Plant Maintenance Operations
* Breakdown Management
* Spares Planning
* 5S
* Preventive & Predictive Maintenance
* Safety Management
* TPM and KAIZEN
* MIS

Shutdown Planning

**Presently associated with Sanghi industry ltd. as an MECHANICAL ENGINEER**

**at (1\*15 MW WHRB & 65 MW CFBC) KUTCH GUJRAT .**

* Working as mechanical engineer and reporting to maintenance Manager.
* Monitoring the site progress and inform maintenance Manager on the happenings at project site.
* Control the site in day to day activities .
* Dealing with main contractor and man power .
* Commissioning of all the valves including safety valves and float the same according to their set pressure.
* Involved in Commissioning of boiler , alkali cleaning , & flushing .
* Totally involved in Operation and Maintenance of W.H.R.B and its Auxiliaries.

**March 2017 to March 2018 associated with THERMAX LTD. Power Division , as an MECHANICAL ENGINEER**

**at J K LAXMI CEMENT (1\*15 MW WHRB,3\*18 MW CFBC), SIROHI RAJSTHAN.**

* **Maintenance of boiler (Pressure parts) and Rotary parts – Pumps , Compressor, ACC, Gear box , RAV , DCC. Parts**
* **MAINTENANCE OF FANS IMPELLER & it parts , Replacement of impeller .**
* **MAINTENANCE OF TURBINE.**
* **Pump parts replacement like bearing ,coupling , mechanical seal , o ring , wear ring , sleeve .**
* **Maintenance of safety valve .**
* **Installation of new pumps , motor , replacement of SH coil , tubes .**
* **Replacement of impeller of ID FAN**
* **Planning of Major OH, Preventive Maintenance, Prepare Monthly & Daily Maintenance reports.**
* **SAP for indent purpose .**
* **Modification to improve performance and life of equipments –**

1. **Modified air cooled condenser to achieve more vacuum**
2. **Modified boiler super heater zone to increase life of boiler SH tube**

**FEB 2015 to march 2017 with POWER MECH PROJECT LIMTED , as an Mechanical Maintenance engineer**

**at JAYPEE POWER VENTURS LTD. 2\*660MW IN NIGRIE SINGRAULI (M.P)**

* Effectively handled maintenance of 2 x 2322 TPH Supercritical once thru Boiler, Tangential, sliding pressure operation, Balanced Draught and single Reheat and PF Fired Boiler of L&T MHI make
* Extensive experience in mechanical maintenance in Boiler and Auxiliaries . , CRITICAL ,SUPER CRITICAL boiler, TURBINE, BOP , Bowl Mills, axial ,radial , centrifugal fans and pumps.
* Experienced in preparing MIS reports, analyzing data & making recommendations for improving plant operations and solving maintenance-related problems
* Maintenance of MVM28 RL , 78 TPH bowl mill of Mitsubishi Heavy Industries ltd
* **Over hauling of BOWL MILL LIKE replacement of grinding roll, clamping ring and bull ring segment replacing work, spring and roller setting etc.**
* **Maintenance of 36 inch gravimetric feeder like replacement of endless belt, replacement of bearings of idlers etc.**
* **Maintenance of PUMPS , and various LOP ,COP SYSTEM FOR FANS AND APH**
* **Trouble shooting of soot blowers** Maintenance soot blower LRSB, HRSB , WB.
* **Maintenance of control valves, valves, setting of safety valves, and actuators.**
* **Preventive and predictive maintenance depend upon CBM REPORT of equipment.**
* **Maintaining SMP of equipment come under maintenance in boiler & aux.**
* **Maintaining and prepare check list of equipment.**
* **Maintain spare parts for mill, fans, and various pumps.**
* Independently handled shift activities as well as troubleshooting.
* Efficaciously ensure all maintenance activities such as Quality, Safety, Health and Environment as per plant requirement.

**SEPT 2013 to JAN 2015 VADODARA INDUSTRIAL SERVICES as an Engineer in Mechanical Maintenance**

**Duties & Responsibilities (during SEPT 2013 to JAN 2015):**

* I was responsible for the maintenance mechanical equipment including RAPH , BOILER , MILL , pump, fan, hydraulic coupling, ash cooler, elevator, conveyor and static equipment like heat exchanger, filter,strainner and cooler.

**Academic Credentials**



* Post Graduate Programme in Thermal Power Plant Technology from **Jindal Institute of Power Technology, Raigarh (Jindal Power Limited 4×250MW & 4×600MW) recognized by CEA, Course equivalent to NPTI PGDC.**
* Completed Bachelor of engineering from Faculty of Engineering & Technology, affiliated with Annamalai University in 2008-12. Secured **8.57(CGPA**) first class with distinction.
* Intermediate from Chatra College Chatra in 2005-2008 secured 61.2% .
* Matriculation from S.S.High School Chatra in 2004-2005 secured first class 65.4%.

**IT Skills:** Well versed with **MS Office, Windows Vista/XP and ,CATIA, AUTOCAD.**

* Underwent 01 month training of CATIA V5R 18 at IDTR ,Jamshedpur.
* Underwent 01 month in plant training in Bokaro Steel Plant.

**Extra Curricular Activities:**

* “NCC’’ combined annual training camp 2010-2011 .
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* “NCC’’ ‘C’ AND ‘B’ certificate.

**PERSONAL DETAILS**

* Date of Birth : 05 Feb, 1991
* Marital status : Married
* Fathers Name : Sri Lal Mohar Singh
* Address : Dibha muhalla , chatra, Jharkhand
* Languages Known: English, Hindi.

**DECLARATION**

* I hereby declare that all the information mentioned above is true to the best of my knowledge.

DHANANJAY KUMAR

Date:02.03.2019 Signature