**Naveed Riaz | Mechanical Engineer**

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# Professional Profile

I have worked as Mechanical engineer in operation and maintenance of Steam Turbine**(High Pressure 320MW), Coal Fire Boiler CFBC and Pulverized** **coal fire boile**r power plant(Thermal Power station Muzafarghar 1270MW) ,also worked at waste heat recovery boilers HRSG ,WHR turbine 12MW (Pakistan cement ltd) Having excellent management skills for operation & maintenance platform, plant pre-commissioning & commissioning of projects. Successfully completed of coal fire boiler and steam turbine 30MW high pressure

# Career summary Total experience10 years

**Nov 2023- to date Bestway Cement Mianwali**

**Position : Deputy Manager turbine maintenance Mechanical**

**HCTC Turbine 9 MW 505 controller**

*Key responsibilities*

* Ensure maintenance activities as per schedule and standard PM ,CM of steam turbine, Multi stage pumps KSB, and shanghai east pump ,vacuum pumps compressor, cooling tower Fan, And all auxiliaries equipment’s
* Budget analysis Of annual, on SAP
* Inventory control as per requirement on SAP
* Prepare PR ,CS ,PO with prescribed schedule
* Calculations of cost per month

,Ensure Schedule of lubrication, oil system,

* Alignment of pumps,CWP ,Fan blower,
* Maintenance of gear box ,bearing ,Conveyor belts ,and HRSG Boiler
* Annual budget preparation
* Inventory control as per requirement
* Responsible for implementing the safe work practices and procedures. PPES,LOTOTO,
* Plan & schedule the resources SAP system (manpower, spare’s& consumable) for maintenance & operation jobs.
* Responsible of log book sheet and load calculations as per requirement, and plant startup and shutdown with SOP
* Compressor 8 Bar maintenance

Responsible Waste heat heat recovery boilers 54/hr HRSG maintenance

Responsible of the turbine installation and it’s auxiliary equipment

Check & monitor the running parameters of whole plant including waste heat recovery WHR boilers,ACC , cooling

**Dec2020- Nov 2023 . DG cement hub Karachi**

**Position : Maintenance Engineer**

**HCTC Turbine 10MW 505 controller and 30MW Captive power plant high pressure DDV ,DEH controller DCS system**

*Key responsibilities*

* Ensure maintenance activities as per schedule and standard PM ,CM of steam turbine, Multi stage pumps KSB,vacuum pumps compressor, cooling tower Fan, And all auxiliaries equipment’s
* Ensure Schedule of lubrication, oil system,
* Alignment of pumps,CWP ,and FD,ID Fan blower,
* Maintenance of gear box ,bearing ,Conveyor belts ,and HRSG Boiler
* Commissioning experience of **coal mil ,coal feeder ,coal belts,coal crusher coal shed coal conveyor including coal Stacker and ,coal Reclaimer**
* Commissioning experience of 10MW and 30MW high pressure 134 Bar Temperature 540c and Pulverized coal fire boilers coal mil 14t/Hr
* Responsible for implementing the safe work practices and procedures. PPES,LOTOTO,
* Plan & schedule the resources ERP system (manpower, spare’s& consumable) for maintenance & operation jobs.
* Responsible of log book sheet and load calculations as per requirement, and plant startup and shutdown with SOP
* Compressor 8 Bar maintenance

Responsible Waste heat heat recovery boilers 60t/hr HRSG maintenance

Responsible of the turbine installation and it’s auxiliary equipment

Check & monitor the running parameters of whole plant including waste heat recovery WHR boilers,ACC , cooling tower steam turbine 30MW P #134Bar , temperature 540c ,,steam turbine 10MW AQC boiler ,SP HP boiler and SP LP boiler ,**pulverized coal fire boiler 120t/hr PCB boiler** P 140 Bar Temperature 540c with 3 coal mil units

**Feb2017 – Dec 2020 Gharibwal Cement Ltd., Chakwal**

**Position:** **Assistant Manager Maintenance**

**(NTC Turbine 20MW, DCS system, DEH controller DDV)**

*Key responsibilities*

* Ensure the optimum operation of all the equipment’s with prescribed operating parameters.
* Responsible for exercising and implementing the safe work practices and procedures.
* Check & monitor the running parameters of whole plant including WHR boilers, CFB boiler, cooling tower, air compressors, turbine, auxiliaries and take necessary action in case of any abnormalities
* Make close coordination with senior in order to start the maintenance jobs in running plant
* Prepare, keep & maintain the daily power generation, maintenance & equipment spare’s record
* Planning & undertaking proper record for preventive maintenance schedule of power plant boilers (WHR & CFB) equipment’s & turbine with auxiliary’s equipment’s
* Responsible for the execution of all repair & maintenance jobs during operation with safe work environment.
* Plan & schedule the resources (manpower, spare’s& consumable) for maintenance & operation jobs.
* Managing indents for spare parts, follow-up & inspect the receiving items used ERP
* operation & maintenance work of different rotary equipment’s including pumps, ID & FD fans, coal crusher, root blowers, belt conveyor’s, bucket elevators, drag conveyors, screw conveyors, feeders of boiler’s & turbines pumps with auxiliaries,cooling tower
* Commissioning experience of **ACK 20MW Steam Power Plant coal fire boiler CFBC 50t/hr,waste heat recovery boilers (30x2 t/h WHR Boiler’s, Generators Engine Boiler’s, 4 x 5 ton/hr from the start to end of project & coordination with Chinese engineer on different issues of project phase.**

**March2014 – April2016 ECOCEM Pakistan pvt. (Lafarge Group), Pakcem**

**Postion:** **Maintenance In-charge**

*Key responsibilities*

* Completing all assigned tasks as delegated by the Manager HOD.
* Responsible for the safe & smooth Plant operations to keep the plant trouble free. Emergency handling of techniques to control plant upsets Shredder 15 ton/hr for shredding of RDF, WOOD,TYRE.
* Responsible for the execution of all repair & maintenance jobs during operation with safe work environment,cooling tower ,pumps,compressor .gear box ,fan blower
* Supervising **of Turbine 12MW DCS System 505 controller and AQC and PH boiler cooling tower auxiliary equipment’s.**

**Jan2013 – July2013 Thermal Power Plant Muzaffargarh, Muzaffargarh.**

**Postion:** **Internee Engineer operation with pay**

*Outline*

Worked as a Mechanical Engineer of major overhauling of Steam Turbine **320 MW** unit under supervision of WAPDA and USAID Energy Policy Project at Thermal Power Station Muzaffargarh. **Steam Turbine 320 MW pressure 180 Bar ,and boiler 1025t/h. DCS System DEH Controller.**

* During this training period i have learnt operation of steam turbine 320MW per designed • Perfume duty in shift to control the turbine system DCS ,DEH CONTROLLER
* Inspection of dismantling activities including governing valves.
* Clearance between rotors and its bearing
* Clearance between moving and static blades of turbine
* Cleaning inspection for condenser tubes teat of blades x-ray test and blasting of turbine Rotor
* Auxiliary equipment’s cooling tower Fan, multi stage pumps ,compressor ,piping heat exchanger of water tube.

**May2012 – July2012 Habib sugar mil nawabshah**

* **Postion:** **Internee Engineer**

**Solid fuels boiler descon 25t/hr \*4**

**Steam turbine 3kw,\*4**

**Crusher cane with heater ,belts conveyor’s**

# Education&Qualifications

* **PGD Procurement and contract law**-NED University karachi INPROGRESS -Jun 2022 to July 2024
* **BE Mechanical, 76.59% –** UET Quaid E Awam Nawabshah – 2013
* **DAE Mechanical, 77% –** GCT Sahiwal–2008
* **Matriculation, 65% –** BISE Bwp–2005

# Skills & Trainings

* MS office
* Auto Cad
* Pro Engineer
* CNC Machining
* Health and Safety HSE LOTO,LOTOTO
* Commissioning training of 20MW from Kawasaki china GCL
* Commissioning of steam turbine 10MW and 30MW WHR DG Hub Karachi

# Personal Information

* Father’s Name: Ilam din
* Date of Birth: 01-01-1990
* Religion: Islam
* Nationality: Pakistani
* Marital Status: Married
* Skype ID: naveed.riaz64
* Languages: English, Urdu Punjabi ,sindhi

# References

Reference will be provided on demand

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