

# MUMTAZ ALI

## Lead Mechanical Engineer

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### Summary

A very Professional Mechanical Engineer having more than 9 years of Work experience in Project Engineering, Construction & Quality Management, well versed in EPC projects; including Construction, Cost Estimation, Procurement, QA/QC & Execution of MEP, Renewable Energy & infrastructure Projects.

### Technical Expertise and Management Skills

- Project management including Project Scheduling Monitoring, Execution, Construction supervision, drawing review, contract review, project specifications, BOQ (Bill of quantity), material approvals, Procurement Management, Resource allocation, report writing.
- Expert in the field of Mechanical Construction supervision, installation of Booster pumps & Pipe Lines for infrastructure development Projects, wind turbines Generators Installation, Testing & Commissioning, and underground LV cable laying work.
- Well versed in all phases of EPC Project including project kick off meeting till project handing over and much familiar with Reliability Run Test (RRT) and Commercial Operation Date (COD) phase of plant & Maintaining Project Till Defect liability Period.
- Strong Technical & communication skills, Strong Coordination skill and Documentation skills, problem-solving skills and able to manage Project from initial stage till project handing over stage.

### Education:

**Bachelor of Engineering – Mechanical Engineering** from Quaid-e-Awam University of

Engineering, Science & Technology, Nawab Shah in 2007- 2011 Secured **1<sup>st</sup>** Division.

### Professional Experience

**Mechanical Engineer (Owners Engineer)**

**50MW Master Green Wind Power Project-Jamshoro**

**Renewable Resources Pvt Ltd.**

**Sept.2020 to Present**

Duties & Responsibilities Included:

- Project Schedule monitoring as per daily site activities.
- Site erection activities of Wind Power Plant related to Mechanical discipline.
- Ensure the follow-up of the overall construction activities & carry out Site inspections.
- Analysis & interpret the drawings, specifications as well as erection procedures proposed by EPC Contractor.
- Assist the Project manager regarding the finalization of the design review Activities on site.
- Control the site supplies, unloading activities of mechanical equipment's like Towers, Nacelle, Hub & Blades temporary storage.
- Inspect that the EPC contractors Erection activities are compliant with execution drawings and documents (Erection methodology etc).
- Prepare notes on the execution of works and shortcomings and check the progress of Mechanical activities against the schedule of the EPC Contractor including arrival of equipment's on Site.
- Ensure compliance of mechanical erection & installation in accordance with EPC contract and applicable Laws.
- Prepare timely and accurate technical reports.
- Issue & follow-up Punch list items of Mechanical activities of Project.
- Ensure that the EPC contractor team members are working in a safe way in accordance with the Health & Safety plan related to their activities and site regulations and are respecting the instruction related to safety coordination on site.

**Mechanical Engineer****NASS Group & Corporation – Kingdom of Bahrain.****Oct. 2016 to June 2020.****Duties & Responsibilities Included:**

- Detail review Project Specification, Tender Drawing, Bill of Quantity & Provide the Cost estimation of infrastructure Electromechanical, MEP & Irrigation projects.
- Assisting the project manager for preparation of three weeks look ahead program, drawing up work program, resource plan and procurement plan & KPI for execution of Project Work.
- Site Supervision for execution of Electromechanical, MEP & Irrigation work is performed according to the approved IFC drawings, contract documents, project specifications, and all applicable standards whether local or international standards.
- Involve in Installation, testing & commissioning of VFD Type Booster Pumps & Hydro testing of uPVC & HDPE Pipes as per Project Specification.
- Supervise the Installation of Isolation gate valves, electrically Controlled Solenoid valves, ARV, QCV & LV Control Cable for Smooth running of Automatic Irrigation System for Commercial Projects.
- Involved in weekly and monthly meeting with Client, Consultant to discuss project related issue and their solutions.
- Coordinates with Client/Consultant Person for any site instructions and inspection of works.
- Responsible for Preparation of project Written & photographic reports Daily, Weekly & Monthly Basis and as required by higher management.
- Coordinate with Draughts men for the preparation of Shop Drawings & As-Built Drawings.
- Calculate the quantity of material and prepare Material Requisition to Procure Department for Material Ordering with all supporting Documents as per project specification.
- Raising Work Inspection Requests for completed work and liaising with Consultant for necessary approvals as per Contract Specifications / Project QA/QC plan.
- Submission of RFIs, CVIs as necessary during the course of the project and following up for approval of the same.
- Ensure all the activities are performed in accordance with company HSE rules and Standards.

**Mechanical Project Engineer****Nov 2015 to Oct 2016****ACT Wind (Pvt.) Ltd (Formerly Tapal Wind Energy (Pvt.) Ltd), Jhimpir, Pakistan.****EPC Contactor- Power China Huadong Engineering Corporation Ltd.****Duties & Responsibilities Included:**

- Project Execution, Construction supervision including execution, erection of 132/33 kV AIS Substation equipments, GW-82/1500 wind turbines & Substation Building MEP Work.
- Review of Mechanical drawings & Technical documents & ensure that all are according to Project Specifications and Contract agreements.
- Ensure that all EPC contractors Execution of Work shall comply with Project Specifications, Contract Agreement & Quality Procedure as given in EPC contract.
- Attending daily, weekly and monthly meeting with management and EPC contractor regarding QA/QC & project progress.
- Performing WTG Tower, Nacelle, Hub & Blade PDI inspections, torque inspections, construction monitoring, final Inspections & commissioning monitoring of GOLDWIND GW82/1500 Wind Turbine Generators.
- Look after the installation of steel Structure supports for electrical equipment's of 132KV AIS Substation and ensure torque is done as per project standard/Manufacturer recommendations.
- Look after the installation of all MEP Work of Substation Building.
- Responsible to monitor the day to day running of the work schedule, keeping an eye on schedule to achieve the targets.
- Ensure any work & material not as per IFC drawing and Project specifications report to immediate supervisor for appropriate action and discharge instruction to the contractor/Consultant.
- Directly reporting to Project Manager regarding allocation of resources on project site.
- Key role to achieve reliability run test (RRT) and commercial operation date (COD) of the plant.
- Ensure that all the work at site is as per HSEQ Standards.

### **Site Engineer Mechanical**

**Erkab Al Khaleej Trading & Contracting Est. Riyadh, Saudi Arabia. Feb 2015 to Sept 2015**

Duties & Responsibilities Included:

- Detail review Project Specification & Tender Drawing and provide the Cost estimation for Steel Structure work.
- Plan, coordinate, manage Mechanical Steel structure Work & Ensure that the execution of all Mechanical Steel structure work, are as per approved IFC drawings & Approved method statement.
- Estimates, prepares and assigns the resources such as manpower, materials, consumables, equipment, tools for all Mechanical work and related works prior to execution. □ Coordinates with Client / Consultant's representatives for any site instructions and work inspections.
- Responsible to submit daily site reports, estimates and all monitoring reports on regular basis or as required.
- Ensure that all the work at site is as per HSEQ Standards.

### **Mechanical Engineer**

**Jul 2013 to Jan 2014**

**Zeal Pak Cement Factory Limited (Rohri Division) Sukkur, Pakistan. Duties**

& Responsibilities Included:

- Responsible for monitoring the Contractors execution of all Mechanical work.
- Involve in Quality Inspection, welding Inspection of steel structure work for Pre heater assembly.
- Supervise the installation of Vertical raw mills, Pre Heater, Killen & all other cement plant Mechanical associated work.
- Responsible for checking the Contractors monthly payment application is as per work completion.
- Ensure the Subcontractor to Submits site daily reports and all applicable monitoring reports on regular basis or as required.
- Ensures that all the works done as per approved construction drawings, contract documents, project specifications, and all applicable standards whether local, national or international standards. □ Responsible for the safety of all Mechanical groups' personnel of the project by ensuring that the project execution will be done according to all applicable health, safety, sanitary and environmental standards.

### **Maintenance Engineer**

**Jan. 2011 to Jun. 2013**

**Insight Engineering Energy Services-Karachi Pakistan.**

Duties & Responsibilities Included:

- Hands-on experience of Installation, testing & commissioning, of heavy Duty Gas & Diesel Power Plants up 1.5 MW.
- Involve in troubleshooting, service, maintenance & major overhauling of Gas & Diesel Engines.
- Responsible for preparation of Preventive, predictive schedules, maintenance plans for Rental Power Plants & Provide Preventive maintenance and repair services at customer locations.
- Supervise the activities of company supplied technician; be responsible for their day- to-day site activities and discipline & Respond to customers' enquiries and maintain a positive working relationship with them.
- Maintains accurate records files and prepares periodic and special reports.
- Carry out all work in accordance with Health, Safety, Environmental and Quality systems.

### **Training and Certification**

- Cert Prep: Project Management Professional (PMP)®.
- Project management Essentials Certified.
- Integrated Management System (IMS) Standards (ISO9001, ISO-14001-BS-OHSAS-18001).
- Construction Management-Planning & Scheduling, Safety & Health & Managing Risk.
- Advanced health & Safety Course.
- ISO 9001:2015 Quality Management System Auditor
- Certified First Aid & CPR, Permit to Work Holder & Risk Assessment.
- WTG Installation & Confined space Training with GOLD WIND Science & Technology Co. Ltd at ACT WIND Farm, Jhimpir, Pakistan. □ Internship at Pakistan Steel Karachi
- Internship at Latif Textile Mills Nooriabad.

**Achievement and Honors**

- Life time member of (PEC) Pakistan Engineering Council.
- CRPEP License-Bahrain
- Holding Bahraini driving License

**Computer Skills**

- MS Office (word, excel, power point, outlook etc.), AUTO CAD.

**Personal**

Nationality	Pakistani
Marital Status	Married
CNIC No	41205-4837846-9
Languages Known	Fluent in English, Urdu/Hindi, Sindhi & basic Arabic

**Notice Period**

60 Days