

Riyasat Ali Mirza

Construction & Maintenance
Management Professional

Major Shutdowns

- Sasol Limited (South Africa)
- Qatar Petroleum (Qatar)
- QatarGas Operating Company (QG)
- Qatar Fuel Additives Company (QAFAC)
- Qatar Fertilizer Company (QAFCO)
- Qatar Petrochemical Company (QAPCO)
- Natural Gas Liquids (NGL-3)
- Ras Laffan Olefins Company (RLOC)
- Qatar Chemical Company Ltd (Q-Chem)
- Dolphin Energy Phase-I & 2 (Long term)
- QATAR Gas and RasGas Retrofits
- Qatar National Cement Company
- BOROUGE Abu Dhabi Polymer Company
- ADGAS DAS Island (Long term)
- GASCO Habshan & Bab Plant Division (Long Term Agreement or Maintenance)
- TAKREER Ruwais Refinery
- Abu Dhabi Fertilizer Industries
- ENOC Jabal Ali Free Zone Dubai

Skills



About Me

I have 23 years of experience in Construction & Maintenance Management In Major EPC Projects, Manufacturing, Maintenance, Retrofits / Revamps and Turnaround / Shutdown jobs for Oil & Gas, Fertilizers, Petrochemical, Power Plants, Coal Power Plant and Cement Sectors in Pakistan, Abu Dhabi-UAE, South Africa & Qatar. My expertise includes maintenance and operations of Columns, Reactors, Pressure Vessels, Heat Exchangers, Reformer, Valves, stack, Fin Fan Coolers, Package Equipment, Rotary Equipment, Furnaces, Driers, Molecular Sieves, Storage Tanks, Turbines, Boilers, Diesel Engines, Compressors, Pumps, Crushers, Stacker / Reclaimer, Raw Mill, Coal Mill, Gears, Preheater, Kiln, Coolers, Filters, Dust Collector, Cement Mill, Packing equipment and Steel Structure. Support Quality Audits (internal & external) on ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018

Major Career Achievements

“Best Performer & Team Player Award” ▪ From The LINDE Group for Construction of Air Separation Plant for Nitrogen Generation, Mirfa, Abu Dhabi.

“Best Performer & Team Leader Award” ▪ From ADCO for on time completion of Jabel Dhanna Storage Tank Project in compliance with ADCO’s QHSE Policy.

“Outstanding Performance in Quality – Trouble Free Start Up” ▪ From JGC Corporation for TFSU activities at Barzan Onshore Project.

“Certificate of Appreciation” ▪ from JGC Corporation for safe and successful erection of flare stack.

“Employee of The Month Award” ▪ From Descon Engineering Qatar LLC for best performance on Barzan Onshore Project.

Employment History

Descon Engineering, Qatar LLC

Manager – Mechanical / Maintenance (March 2012 – current)

Descon Engineering, Abu Dhabi

Deputy Manager – Mechanical / Maintenance (August 2007 to March 2012)

Pioneer Cement Limited, Pakistan

Assistant Manager – Mechanical Maintenance (March 2005 to August 2007)

Dewan Salman Fibre Limited, Pakistan

Senior Technical Officer (January 2000 to Feb 2005)

FL Smith’s (Pvt) Limited, Pakistan

Assistant Engineer – Mechanical (April 1997 to January 2000)

Clients

I have working experience with RasGas, Qatar Petroleum, Qatar Gas, Dolphin Energy, Q-Chem, SASOL, QAFAC, CTCI, QAFAC, NGL, Shell, Oyrx GTL, Exxon Mobil, JGC Corporation, Bourouge, Fertil, TAKREER, ADGAS, ADCO, Elixar Gasco, The LINDE Group, Worley Parsons, Pioneer Cement, Dewan Salman, DG Cement, Maple Leaf Cement & Fauji Cement etc.

Major Responsibilities – DESCON ENGINEERING LIMITED

(QATAR, ABU DHABI, PAKISTAN & SOUTH AFRICA)

DESCON ENGINEERING



- Currently working as Project management professional with rich experience in construction, maintenance and overhauling in Oil and Gas, Fertilizer and Chemical Sector. I have in-depth understanding of best industry practices in Project management and Codes & Standards used in the industry
- Maintenance shutdowns / turnarounds activities and all retrofits projects such as QatarGas, RasGas, QP, Dolphin, NGL, QAPCO, QAFCO, QChem, RLOC and Sasol,
- Managed a number of Major Construction, Revamping & Modification Projects of Oil Refinery, Gas & Petrochemical Plants, Power Plants, Cement Plants and Chemical Plants.
- Schedule the project in logical steps and budget time required to meet deadlines.
- Responsible to review all project tenders and to issue the expression of interest to Client for selected tenders.
- To conduct all technical meetings with client in order to finalize the contract by conclusion of division of responsibilities.
- Determine labor requirements and dispatch workers to construction sites.
- Inspect and review projects to monitor compliance with building and safety codes, and other regulations.
- Interpret and explain plans and contract terms to administrative staff, workers, and clients, representing the owner or developer.
- Assets Management, procurement of company assets through analysis of buy vs rental comparative statement.
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors.
- Study job specifications to determine appropriate construction methods.
- Requisition supplies and materials to complete construction projects.
- Prepare & submit budget estimates and progress and cost tracking reports.
- Confer with supervisory personnel, owners, contractors, and design professionals to discuss and resolve matters such as work procedures, complaints, and construction problems.
- Plan, organize, and direct activities concerned with the construction and maintenance of structures, facilities, and systems.
- Investigate damage, accidents, or delays at construction sites, to ensure that proper procedures are being carried out.
- Participated in Plant Turnarounds/Shutdowns of Oil Refinery, Petrochemical, Power, Gas Processing Plants and Cement Plant.
- Attending and resolving sub-contractor queries and providing technical guidance and expertise so that project goals are clearly understood and to minimize delays.
- Support Quality Audits (internal and external) on ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018
- Carrying out Training of supervisory and fresh Engineering resources, including middle management teams.

Major Responsibilities – PIONEER CEMENT LIMITED (PAKISTAN)

PIONEER CEMENT



- We at Pioneer Cement Limited are committed to provide our customers quality cement by producing it according to international and Pakistani standards. We are ISO 9001:2008 Quality Management System Certified company to ensure that our customers get quality cement according to their expectations.
- Worked at PCL manage the preventive maintenance & shutdown / turnarounds
- Monitoring of machinery during running plant and prepare maintenance plans of shutdowns their implementation and keep an eye on spare's stock to ensure their availability at the time of requirements and execution of shutdown activities.
- Maintenance of raw mill (Terex Ball Mill) replacement of lining plate, pinion, mill fan bearings, oil filters and apron feeders, gear box, oil pumps, dust collectors, rotary kiln inlet outlet seal, supporting roller bearing, thrust device, cross bar clinker cooler, wearing plates, bars, cooling fan bearings, drag chain, hammer of post hammer crusher, clinker bucket and pan conveyers.
- Maintenance section to execute the computerized preventive maintenance and their trouble shooting.
- Maintenance of utility department activities overall plant and maintain the lubrication overall plants.
- Manage maintenance of delivered second hand equipment of complete plant line II and maintain records of materials / equipment's received in proper storage / preservation status.
- Plant extension line-II fabrication, erection and installation of equipment and construction of delivered second hand equipment for plant line II.
- Provide the technical support in manufacturing, erection for steel structure and equipment.
- Visit the parties for pre-qualification as vendor of fabrication and manufacturing items.
- Project management, planning, fabrication, erection and project progress monitoring & project scheduling
- Estimate, prepares and assign resources such as manpower, materials, consumables, equipment, tools required for all mechanical and related works prior to execution.
- Where I took part in erection and commissioning of Pre-heater, E.P, Cooling Tower and Kiln coordination with **DAL Teknik Engineers (Turkey)**.
- Responsible for walk down of work packages and prepare punch lists and verify after rectification.
- Preparing B.O.Q, indenting and follow up of materials of local manufacturing material for line II.
- Reviewing & approving technical query & site instructions proposed by sub-contractors in case of deviations, conducting technical presentations and various awareness programs to educate sub-contractor personnel.
- Lead a team of engineers, planners and schedulers to achieve the turnaround / projects objectives.
- Verifications of subcontractor running and bills.

Major Responsibilities – DEWAN SALMAN FIBRE LIMITED (PAKISTAN)

DEWAN SULEMAN FIBRE



- Dewan Salman Fibre Limited (Joint Venture of Mitsubishi Japan and Samyang Korean Company) is the largest chemical complex in Pakistan having six independent units at Hattar Industrial Estate, Haripur.
- The DSFL plants consist of process and preventive maintenance monitoring of machinery during running plant and shutdown of Heavy Reactors, Distillation Columns, Heat Exchangers, High-Pressure Vessels, Centrifugal Pumps, Multistage Centrifugal Pumps, Gear Pumps, Heavy Rotary Machines Equipment, Gas Turbines, Steam Turbines, Air Compressors, Gas Compressors, Motors, Fans, Blowers, Furnaces, Dryers, Nitrogen Plants, De-Mineralized Water Plants, Tanks, Centrifugal Chillers, Absorption Chillers, Cooling Towers, Gas Fired Boilers, Heat Recovery Steam Generators, Diesel Engines, HVAC Units, Control Valves and many more heavy machinery equipment where I served for process / preventive maintenance and shutdown.
- Maintenance and operations support for utilities, draw line, spinning and power house department's controlling parameter of boilers different capacities, gas turbines, steam turbines, air compressors, gas compressors and cooling tower, columns and control valves according to process requirement and preventive maintenance.
- I have taken part in plant extension Line-III fabrication, erection piping, steel structure and equipment installation.
- Ensuring the maintenance of delivered second hand equipment of line-III
- Managed sandblasting and painting of piping spools prior to transferring them to erection at site.
- Developed and controlled piping spools tracking sheet with respect to area of erection.
- Overall monitoring of parts fabricated in workshop and erection of equipment, piping spools, chemicals shipping tanker and steel structures.
- Witnessing the overall equipment and steel structure leveling of foundations and alignment.
- Incoming material and consumable inspection as per code & specifications.
- Design the structure required for equipment in erection and commissioning of line-III.

Major Responsibilities – FLS SMITH'S (PVT) LIMITED (PAKISTAN)

FL SMITH'S (PVT) LIMITED



- FLSmith's & Co. A/S is a Danish multinational engineering company based in Copenhagen, Denmark.
- Worked at **FLSmith's** D.G. Khan Cement, Maple Leaf Cement and Fauji Cement expansion project to increase the production of plants fabrication, erection and commissioning with FLSmith's Engineers.
- Worked at FLSmith's Islamabad Head Office and Karachi branches office monitoring of all loose items and parts fabricated in site workshop in order to fulfil the requirements of D.G. Khan Cement, Maple Leaf Cement and Chakwal Cement projects. Supervision of packing delivery of all items to client were including in my responsibilities.



- Preparation of shipping documents, marking of goods to be shipped. I was also dealing with shipments received from our Copenhagen office in Denmark.
- Overall Project progress monitoring & Project schedule Preparing B.O.Q, indenting and follow up of materials of local manufacturing and overall verification of running bills of contractors
- Where I took part in erection and commissioning of Fauji Cement plant coordination with FLSmith's Engineers (Denmark). Also worked on Water Treatment Plant of CDA. Along with the client I was also responsible for the procurement of loose items and Raw materials from the Local Market.
- Witnessing the overall equipment and steel structure leveling of foundations and alignment
- Installation Alignment of Mechanical Equipment hammer crusher, belt conveyor, Exchanger, Cooling Tower, Stacks, Ducts & steel Structures etc.
- Where I was responsible for fabrication of various items fabricated in Hattar workshop e.g.
- Also worked as Quality Control and Procurement Supervisor at FLS Hattar workshop and Head Office Islamabad.
- Fabrication of equipment's, cyclones, steel structure, storage tanks, air vessels, belt conveyor's roller guide and pre-heater structure
- Verification of overall sub-contractors' fabrication, erection, insulation and sand blasting bills.
- Ensuring incoming material and consumable inspection as per FLS Code and specification.
- Monitoring/Inspection of all fabricated items received from our Copenhagen office in Denmark
- Preparing B.O.Q, for local manufacturing items, various items fabricated in Hattar workshop for Chakwal Cement and Water Treatment Plant of CDA Islamabad.
- Galvanizing inspection of cable tray nut, bolts and washers as per project specification.
- Ensuring Inspection of packing delivery of all items to client were including in my responsibilities.

Major Projects (QATAR, ABU DHABI, PAKISTAN & SOUTH AFRICA)

- EPC CTCI Corporation/QAPCO Furnaces and Ethylene Storage tank (Qatar)
- EPC Qatar Petroleum RFCC Reactors (Qatar)
- EPCM Long Term Projects (Retrofits Project) with QatarGas North & South (Qatar)
- Barzan Onshore Project for construction of Gas Processing facilities at RasGas. (Qatar)
- ADCO's Long Term Maintenance Project of Refurbishment of Storage Tanks. (Abu Dhabi)
- BOROUGE Abu Dhabi Polymer Company Limited, (Abu Dhabi)
- EPC project of Mirfa Nitrogen Plant for Linde-Gasco JV. (Abu Dhabi)
- EPC Project of Urea and De-bottlenecking for FERTIL. (Abu Dhabi)
- EPC Project for construction of D.G Cement Plant, D.G Khan. (Pakistan)
- CDA San-Jani water treatment plant, Islamabad.(Pakistan)
- EPC Project for construction of Fauji Cement Plant, Fatehjang Islamabad. (Pakistan)
- EPC Project for construction of Maple Leaf Plant, Sikandarabad, Mianwali. (Pakistan)

Education

- Draftsman Mechanical (2 Years-1993) Government Vocational Institute Gujranwala Punjab Pakistan
- Associate Engineer Mechanical (Diploma-1997) Punjab Board of Technical Education Lahore Pakistan

Certification

- Lead Auditor ISO 9001-2015 IRCA Certified 2019 (Qatar)
- ASNT LEVEL II RT/PT/MT 2018 (Qatar)
- HABC Level 3 International Awarding Body for Compliance 2017 (Qatar)
- Strategic Management Services OHSAS 18001:2007 2009 (Abu Dhabi)
- Time Management-Interpersonal & Communication Skills 2008 (Abu Dhabi)

Trainings

- Workshop Mechanical Maintenance Shutdown / Turnaround from Sasol (South Africa)
- SAP Training in QM Module (Qatar)
- Workshop on Management Development & Alignment Program (Qatar)
- Building High Performance Teams (Qatar)
- Creative Problem Solving & Decision Making (Abu Dhabi)
- H2S and Breathing Apparatus Training (Abu Dhabi)
- Mechanical Maintenance from F.L. Smith's Denmark Engineer's (Pakistan)
- FAG Roller Bearings Seals & Service GmbH. Engineer's (Pakistan)
- Lubrications from Shell Global Expertise's (Pakistan)

Personnel Information

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- **Driving License:** Qatar, UAE & Pakistan

