

Holds a B. Sc. in Electrical Engineering and has over 18 years of consolidated experience in Global Energy & Power sector - encompassing mainly Operations & Maintenance of Combined Cycle Power Plants, Global Centre of excellence, Program development, Project Management, Training, Consultancy, Testing & Commissioning.

PERSONAL DATA

Nationality : Pakistani
Gender : Male

EDUCATION

: B. Sc. in Electrical Engineering, University of Engineering & Technology, Lahore, Pakistan, 2006

LANGUAGES

English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Reliability Centered Maintenance, RCM Training Organization (2023).
: Six Sigma Green Belt, GE-Gas Power (2019).
: Change Acceleration Process (CAP), GE Crotonville (2016).
: Lead Auditor ISO 14001:2015, SGS (2016).
: SVS Drive Training, Nidec (ASI) Spa, Italy (2015).
: Certified Six Sigma (GB) Online, Simplilearn Pvt. Limited (2015).
: Project Management, LUMS - Lahore, Pakistan (2012).
: PSD Devices, SIEMENS AG, Berlin (2011).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2024 till now
Employer : GE Vernova
Project : 225MW Combined Cycle Power Plants (2x6FA+ST)
Job title : Maintenance Manager

- Job Description** :
- Leading a team of 18 Maintenance Engineers and Technicians to develop, implement and execute Maintenance Program at customer site.
 - Responsible of managing all aspects of maintenance of power plant in line with O&M Contract by protecting the owner's investment and achieving site KPIs in a safe, reliable, economical, and environmentally friendly manner.
 - Developing a high performing, skilled and motivated team to achieve organization's deliverables.
 - Build and sustain trust worthy relation with customer through open and transparent communications, consistently obtaining feedback- Voice of Customer (VoC) and addressing customer's key pain points on top priority.
 - Contract Management by clear understanding of scope segregation and division of responsibilities among different stack holders.
 - Performing Contract risk assessment and defining control plan to mitigate contractual and financial risks.
 - Leading and coaching maintenance team on effective implementation and execution of maintenance program as per contract.
 - Implementation and control of maintenance program through Computerized Maintenance Management System (CMMS).
 - Leading the Implementation of Reliability Based Maintenance (RBM) Strategy.
 - Performing Failure Mode and Effect Analysis (FMEA) to develop appropriate strategy for process critical equipment/system and optimize utilization of resources.
 - Budget control and cost management by effective planning and execution of maintenance activities, optimum inventory management and smart implementation of reliability-based maintenance strategy.
 - Leading and execution for plant outages (minor, medium & major inspection) including planned and unplanned maintenance.
 - Leading and planning, executing, and monitoring Preventive, Predictive and Corrective Maintenance plans through CMMS, and by developing Key Performance Indicators (KPIs).
 - Compliance to Health, Safety and Environmental programs and procedures as applicable to the plant operations and maintenance activities.
 - Root Cause Analysis (RCA) of equipment/system failures and implementing corrective actions and preventive actions (CAPA).
 - Drive LEAN mind set by following & promoting Daily Management, Standard Work, Continuous Improvement and performing problem solving reports (PSR).
 - Implementing Lean techniques in inventory management.
 - Leading global initiatives on safety, ensuring compliance to the requirements of NFPA-70, and company's global safety procedure by developing in-house capabilities & providing tools & processes to site teams enabling them to carry out Arc Flash studies & hazard assessments.
 - Leading the overall site team as Quality Champion to define, implement and execute GE Vernova's Quality Program.
 - Perform audits and assessments to ensure compliance to global maintenance program and quality standards.

- Contractor management by developing healthy relationship through open communications, defining clear responsibilities and obligations with accountabilities.

Dates	:	From Jul. 2018 till Dec. 2023
Employer	:	GE Vernova (General Electric)
Project	:	44 Global O&M Power Plants
Job title	:	Regional Maintenance Support Leader
Job Description	:	<ul style="list-style-type: none"> • Global Maintenance Program development for O&M fleet. • Lead implementation of GE-O&M Maintenance Program in Middle East & Africa Region. • Advise and Support Regional Services Directors & Plant Teams across the globe in addressing Customer pain points, performing RCAs and driving new initiatives on Maintenance. • Ensure technical support to O&M sites in MEA region on power plant maintenance. • Develop maintenance team competency in O&M fleet by training and coaching. • Lead multiple global initiatives and team members to accomplish desired business objectives. • Interacting with customers in Middle East & Africa region, facilitating implementation of Maintenance. Program and addressing their pain points up to their satisfaction. • Global O&M fleet Subject Matter Expert (SME) in Electrical Maintenance. • Lead Reliability Based Maintenance (RBM) Program in Global Center of Excellence Team. • Lead & enable site teams to develop RBM culture by training them on data driven approaches, performing RCA, sharing best practices and lessons learnt. • Key member/SME in Fleet RAM improvement Team; Work with O&M sites, globally, in addressing RAM drop drivers & improving plant reliability. • Lead & supervise O&M sites in setting up of Computerized Maintenance Management System (CMMS) during mobilization and effective utilization of CMMS during execution phase. • Expert in data analysis (CMMS), developing KPIs, setting up dashboards to monitor, evaluate and make informed decisions on critical asset maintenance. • Issuance of Operation & Maintenance Information letters (OMILs) for O&M Fleet to address key fleet issues and communicate recommendations. Several OMILs were issued covering recommendations on Maintenance of critical assets, reliability enhancement and safety of site teams/working party. • Lead and carried out mobilizations of multiple O&M sites on Maintenance Program. • Cross-functional support & engagement with engineering, contractual services, engineering product safety & Remote Outage Support (ROS) teams for effective Maintenance Program & site outage execution. • Perform audits and assessments to ensure compliance to global maintenance program.

- Trainer for O&M Key Staff Training on Maintenance Program.
- Advocating LEAN mind set- developed global standard work for site RBM teams.
- Drive LEAN mind set by following & promoting Daily Management, Standard Work & Continuous Improvement.
- Perform 'due-diligence' for green & brown field mobilization sites and support sales & commercial team in evaluating the risks and costing in preparation of proposals.
- Lead O&M fleet maintenance community to strength the culture of learning & teamwork by sharing lessons learnt, best practices and introducing modern technologies.
- Leading global initiatives on safety, ensuring compliance to the requirements of NFPA-70, and company's global safety procedure by developing in-house capabilities & providing tools & processes to site teams enabling them to carry out Arc Flash studies & hazard assessments.
- Leading initiatives & projects with product safety team to address team's safety concerns.
- Supporting global O&M and corporate EHS teams on developing, reviewing, and revising electrical safety procedures in line with international standards- NFPA, IEC, IEEE, etc.
- Participating in Problem Solving Reports (PSRs) on electrical safety & Lock-out/Tag-out (LoTo) processes as key team member/SME.

Dates	:	From Apr. 2014 till Jun. 2018
Employer	:	GE Gas Power Services – O&M
Project	:	225MW CCPP Balloki
Job title	:	Lead Maintenance Engineer (Team Lead Electrical)
Job Description	:	<ul style="list-style-type: none"> • Responsible of managing all aspects of maintenance of power plant in consistent with protecting the owner's investment and achieving site KPIs in a safe, reliable, economical, and environmentally friendly manner. • Sustain and improve customer relations through open and transparent communications, consistently obtaining feedback- Voice of Customer (VoC) and addressing customer's key pain points on priority. • Leading and coaching maintenance engineers on effective implementation and execution of maintenance program as per contract. • Leading, advising, mentoring, and motivating associate engineers, and technicians in electrical section. • Deputizing Maintenance Manager on all plant maintenance activities. • Leading, managing, supervising & coordinating plant maintenance activities including outage execution, planned and unplanned maintenance. • Responsible for reviewing site regulatory applicability. Coordinating with customer to ensure validity of all statutory permits/licenses and ensuring compliance to the set requirements in applicable permits/licenses. • Planning, executing and monitoring Preventive, Predictive and Corrective Maintenance plans on set frequency. • Compliance to Health, Safety and Environmental programs and procedures as applicable to the plant operations and maintenance

activities.

- Troubleshooting and managing major/critical corrective maintenance activities to reduce down-time.
- Root Cause Analysis (RCA) of different equipment/system failures and implementing corrective actions and preventive actions (CAPA).
- Implementation of Reliability Based Maintenance (RBM) Strategy.
- Leading, and execution for plant outages (minor, medium & major inspection) as outage coordinator.
- Implementing Lean techniques in inventory management.
- Contractor management - review, approval & contractor relationship management.

Dates : From Oct. 2013 till Mar. 2014
Employer : DAR Engineering, KSA
Projects : Power Plants, HV Substations, North-West Region
Job title : Protection Engineer
Job Description :

- Leading & supervising site team for timely & quality execution of Grid Station Projects.
- Validating that equipment's are procured, installed, and being commissioned as per project statement of work, approved drawings/documents, and Customer's need.
- Monitoring, controlling and realization of contractual requirements and specifications.
- Tracking & monitoring the actual progress of the project commissioning team against planned schedule on day to day and weekly basis to assure that assigned activities are as per schedule.
- Verifying and assuring that work is being executed as per Customer's Quality Policy.
- Validating the equipment testing and verification of Control & Protection schemes of Power Plants and High Voltage Substations.

Dates : From Mar. 2011 till Aug. 2013
Employer : SIEMENS Pakistan Engineering Co. Ltd.
Projects :

- Supply, Installation, Testing & Commissioning of Ghotki and United Sugar Mills – JDW Power Plant & Substation Construction Projects. Technical Support on SIEMENS supplied equipment during O&M Phase.
- Supply, Installation, Testing & Commissioning of 132KV AIS Substation including civil works at NISHAT Chunian Limited.
- Supply, Installation, Testing & Commissioning of additional 40MVA Transformer Bay including civil works at 132KV Substation Sunder Industrial Estate/PIE.

Job title : Project Manager
Job Description :

- Worked as Project Manager in Energy TS Projects department having profound experience of handling Grid Station Projects as per PMI and PM at SIEMENS Guidelines.
- Project Management to meet the required standards of quality (time, budget, and functionality) by initiating, planning, coordinating, controlling activities for a project's safe and successful completion, keeping in view Company's guidelines, quality of work and customer satisfaction.

- Contract management & execution for successful project execution.
- Budget controlling, maintaining project profit margins.
- Preparation & setup of project management plan.
- Project's detailed planning, execution, procurement, construction, installation, testing, commissioning, acceptance, and project closure as per international project management procedures.
- Stakeholder management - coordination with internal / external stakeholders for successful project execution.
- Contractor management.

Dates : From Feb. 2007 till Feb. 2011

Employer : SIEMENS Pakistan Engineering Co. Ltd.

Projects :

- 500KV AIS Grid Station Yousafwala Sahiwal: As Site Manager responsible of complete Installation, Erection Testing and Commissioning of 7 x 37MVAR Shunt Reactors and SCADA System. Proper allocation of site resources for timely and smooth execution of the project.
- 220KV Substation, Naibabad, Afghanistan Project (2 x 25MVAR and 1 x 10MVAR Shunt Reactors) Configuration, testing and commissioning of Phase synchronize devices (PSD 02) for optimized switching of circuit breakers.
- 220KV AIS Grid Station Ludewala (extension): Configuration, testing and commissioning of complete protection system including busbar, breaker failure, auto-reclosure, tele-protection scheme testing.
- 500KV AIS Grid Station Ghakhar: As Commissioning Engineer, carried out complete testing and commission of 9Nos. of 132kV line bays, 01 No. of transformer bays, 1 No. of coupler bay. Configuration, Testing and commissioning of Distance, overcurrent and Differential relays and witnessing of the same to client and consultants.
- 132KV AIS Substations at Wapda Town and Qasim Bagh, Multan: As project engineer; responsible of entire procurement, supply, and conduction of local and foreign Factory Acceptance Tests (FAT) of equipment's.
- 220KV AIS Grid Station Bahria Town Islamabad: Testing and commissioning of complete control and protection system.

Job titles : Project Engineer / Protection Team Lead

Job Description :

- Leading and managing a team of commissioning engineers and technicians at site for successful installation, testing and commission of equipment as per standard procedures & specifications following the safety standards.
- Proper allocation of site resources for timely and efficient accomplishment of major milestones.
- Configuration, marshalling, and testing of Protection Relays.
- Testing and verification of Control & Protection, Busbar, Breaker Failure & Synchronizing Scheme of High Voltage Substations & Power Plants.

Field of experience :

- Summary:
 - Well-versed & seasoned power sector expert with core experience of leading power plants operation & maintenance (O&M) and Project executions.

- Rich experience in managing all phases of power plant life cycles from bidding, mobilization, execution / operations & maintenance, and demobilization.
- Customer oriented vision with strong believer & demonstrator of win-win strategy.
- Certified PMP # 1695708 (PMI – USA).
- Global GP Culture Ambassador (GE – GP).
- Certified Six Sigma (GB) (SL).
- O&M Key Staff Trainer (GE – GP – O&M).
- Certified Commissioning Engineer (Siemens AG).
- Certified 8D RCA Leader (GE).
- Key Expertise:
 - Global O&M - Maintenance Program: Maintenance Program Development & Implementation | Leadership | RBM Strategy | Trainer | CMMS | OMILs | Playbooks | KPIs | FMEA | Due-Diligence | LEAN Global Safety Program | Audits | Cross-Functional Support | Voice of Customer | Continuous Improvement.
 - Execution (O&M & EPC): KPIs | Quality Execution | Safety | Implementation of O&M Programs | Outages | Customer Management | Team Management | Conflict Management | Inventory Management | Program effectiveness evaluation.
 - Plant Operations (O&M): RAM | PTW | Emergency Operating Procedures | EHS | CMMS | QWIs | Audits | Regulatory Compliance | Event Reports | DRAM | Risk Assessment & CP | Legal Permits.
 - Project Management (PMP): Contract Management | Customer Focus | Delivery | Quality | Scope Control | Budget | Time Management | Stakeholder Management | Risk Management.
 - Mobilization (O&M & EPC): Contract Management | Equipment Maintenance Plans | Site Execution | Quality Assurance | ISPs | Due-Diligence | Safety | Regulatory Compliance | CMMS Setup.
 - Construction & Commissioning (C&C EPC): Site Management | Testing & Commissioning | Protection System | Safety | HV Switchyard | Contractor Management.
- Achievements & Recognitions:
 - 12+ Impact Awards by GE Leadership, mainly on:
 - ❖ Customer Focus.
 - ❖ Safety & Problem Solving.
 - ❖ Contribution to Cross-Functional Engineering Team.
 - ❖ Addressing Customer Pain Points.
 - ❖ Driving Proactive Safety Culture.
 - EcoAwards-Certificate of Appreciation from Ecomagination and OneEHS.
 - Awarded in GE EHS miles program for proactive EHS Reporting.