

AZARUDDIN RIYAZ HUSHYE

PMI - PMP®, SENIOR MECHANICAL ENGINEER

An experienced Senior Mechanical Engineer with a demonstrated history of working in EPIC turnkey projects with 15+ years of valuable experience in the construction of power plants, substations, high-rise buildings, residential villas, clinics & smart car parking projects combined with knowledge in design, installation, inspection, coordination, testing & commissioning in both, consulting & contracting companies along with the handful of experience in latest designing software.

PROFESSIONAL EXPERIENCE

RANCO & ZAMIL INDUSTRIES (CONTRACTING DIVISION) - RIYADH

Senior Mechanical Engineer

FEB 2020 – TILL DATE

Administration Eastern & Western (EWP) Smart Car Parking Project # Capacity: 3430 Cars – Riyadh
Technical Building (TP2) Smart Car Parking Project # Capacity: 1417 Cars – Riyadh

- Managing the execution, planning, coordination, monitoring & controlling of the installation & materials supplies for various electro - mechanical services for the projects viz. including fire protection system, HVAC system, storm & sanitary drainage system, water supply system, irrigation system, FADS & PAVA system, lighting system, earthing & lightning protection system, power system & transformer.
- Familiar with managing & tracking various project data logs, drawings, specifications, submittals, RFI's, transmittals, site instructions, change or variation orders and communicate effectively with relevant project information to & from project team & stakeholders, assist procurement & delivery of material with vendors and subcontractors.
- Able to establish and validate project handover reports & other vital documents like ITP's, material submittals, pre-qualifications, technical calculations, method statements, air balancing reports, WPS, WQR, shop drawings, red markups & as-built drawings including an assortment of systems & equipment warranties, instruction & operational manual, SLA's, TC reports etc.
- Manage & communicate effectively with cross-functional teams like civil & architectural dept. to integrate the electro-mechanical requisites as per project specs, BOQ, shop drawings & applicable standards while monitoring the project completion schedule.
- Manage & coordinate with the consultants & clients for material, shop drawings, and As-builts drawings for their review approvals and conduct meetings with the project stakeholders including the clients, consultants and subcontractor & vendors as and when required.
- Direct & assist the quantity surveyor in submitting the electro-mechanical quantities, project inventory & invoice submission for project measurables & familiar with managing and verifying the sub-contractor quantities & invoices.
- Conducting daily site visits with the contractor team to monitor the progress & quality of work performance at the site and maintaining the standards of project management by complying with the HSE safety requirements.
- Work creatively & analytically in a problem-solving environment, demonstrating teamwork, and innovation & providing on-site leadership for the project team by building & motivating team members to meet project goals, and adhering to their responsibilities and project milestones.
- Monitors multiple contracts & associated construction contractors' mechanical field activities for adherence to project contractual requirements i.e., scope of work, procedures, costs, schedule, installation, T&C activities for fire hydrant system, FM200 system, wet fire sprinkler system, fire hose cabinet system & other fire protection system & HVAC system including DX, chilled water piping, AHU's, FCU's, SPF's, storm & sanitary drainage system, water supply system, irrigation system, FADS & PAVA system, lighting system, earthing & lightning protection system, power system & transformer.
- Assist the bidding & tendering department with project quantity estimation & pricing managing design questionnaires, space planning, and design basis / concept reports.

PULSETECH CONSULTING ENGINEERING PVT. LTD., MUMBAI


Mechanical Project Engineer

JAN 2018 – JAN 2020

Unimont Radiance (G+11) Residential Tower – Mumbai
Green Scape (2B+G+7) Commercial Tower – Mumbai

- Designing, executing, coordinating, and monitoring the installation & materials supplies for various firefighting services for high-rise building projects viz. including fire sprinkler system, fire hydrant system, FADS system, fire extinguishers in various areas including the lobby area, apartments, car parking area, gymnasium, recreational room, etc.
- Designing, executing, coordinating, monitoring the installation & materials supplies for HVAC systems for multiple areas including 2-4 BHK apartments, duplex apartments, lobby area, gymnasium, recreational room & ventilation system in the basement.

CONTACT DETAILS

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🌐 LinkedIn.com/in/azaruddin-riyaz

📍 Riyadh - Saudi Arabia

🇮🇳 Indian

EDUCATION

BACHELOR DEGREE - 2010 MECHANICAL ENGINEERING


Rajendra Mane College of Engineering & Technology – Devrukh, Ratnagiri.
University of Mumbai.

DIPLOMA - 2006 MECHANICAL ENGINEERING

Government Polytechnic, Ratnagiri
Maharashtra State Board of Technical Education – Mumbai.

ACCREDITATION


CERTIFIED PMP® PROFESSIONAL

 Project Management Institute – USA


APPROVED MECHANICAL ENGINEER

 Extra High Voltage Projects Dept. -
Central Operating Area (EHVPD-COA)
Saudi Electricity Company.


APPROVED MECHANICAL ENGINEER

 Saudi Telecom Company – Riyadh

CERTIFIED MECHANICAL ENGINEER

 Saudi Council of Engineers - SCE
Membership ID - 82206

CERTIFIED MEP INSTRUCTOR

 Edu CADD Training Institute -
Bangalore & Mumbai Division

 ASPIRE MEP Institute – Navi Mumbai

PERSONAL DETAILS

Marital Status : Married
Date of Birth : 26th Nov, 1984
Religion : Islam
Nationality : Indian
Passport No : Y4656196
Date of Issue : 18th Aug, 2024
Date of Expiry : 17th Aug, 2034
Place of Issue : Riyadh
Driving License : KSA & India.

LANGUAGES KNOWN

English ●●●●●●●●●●
Arabic ●●●●●●●●●●
Hindi ●●●●●●●●●●
Urdu ●●●●●●●●●●
Marathi ●●●●●●●●●●
Konkani ●●●●●●●●●●

- Designing, executing, coordinating monitoring the installation & materials supplies for stormwater- sanitary drainage, irrigation & plumbing systems for the tower with other amenities within the project frontier.
- Conduct site inspections with the contractors for any service clashes with other disciplines in order to maintain the free flow of activities on the project.
- Knowledge of various project management methodologies and concepts in the construction industry and ability to manage vendors, contractors, and sub-contractors for the progression of work.
- Responsible for all the site implementation and completion towards project target, client's expectation, and coordination with authorities, clients, consultants, and subcontractors on all project aspects.
- Coordinate with other disciplines like civil & electrical site & design teams to incorporate various mechanical prerequisites such as SMACNA, NBC, NFPA, IPC, and MAHA RERA standards while monitoring the site safety plan to ensure the team follows the project safety plan.
- Assist the management in vendors and subcontractor coordination, review and submit all data received from the project management team approve the project submittals, and perform general administrative & record keeping functions including project documentation, field review reports, maintenance of project files, billing, materials log and other objectives to deliver the PMO's goals.
- Knowledge in tracking & managing various project data logs, drawings, specifications, submittals, RFI's, transmittals, site instructions, change orders, and communicating effectively with relevant project information to & from the project team and stakeholders, assisting procurement and delivery of material with vendors and subcontractors.

ASPIRE MEP TRAINING INSTITUTE, MUMBAI.

MEP Instructor (August 2018 to January 2020) under PART TIME CONTRACT

- Train working professional's and fresh graduates in various divisions in MEP or building services viz. HVAC, firefighting, electrical & plumbing system used in the construction industry.
- Prepare & develop written course outlines and materials, supervise, instruct and guide students in classroom lectures & computer lab for designing & drafting, the MEP services on CAD software's.
- Perform and set examination for the students at the course completion and give approve for final certification (if qualified) with applicable grades.
- Train students with various standards like ASHRAE, SMACNA, NFPA, IPC, UBC & ISO etc. used in MEP Industry & guide them with various aspects in their application.
- Educate them with various documentation required for tracking & manage various project data logs, drawings, specifications, submittals, RFI's, transmittals, site instructions, Invoices, and change orders.
- Train them to perform various T&C procedures like hydrostatic testing, gravity testing, smoke & light test, room integrity test, pneumatic testing, tab test etc. for all major discipline in the industry.
- Educate them in calculation of material & manpower estimation, preparing bills and invoices & managing the material procurement & delivery with the various vendors & subcontractors.
- Train them in carrying out Heat load calculations (manually using E-20 form), HAP program, hydraulic calculation, duct sheet & accessories measurements, water demand & quantity estimation, pump and tank sizing, PHE system, FADS, FM200-fire suppression system, fire sprinkler & fire hydrant system.
- Educate with preparing project closeout documents by collecting warranties, O&M manuals, and equipment start up records, Test reports, PAC, TAC, FAC certificates.
- Train them in preparing for Interview and building up their written & verbal communication skills, email/telephone etiquette, and prepare in effective communication with co - workers, employers, clients and customers, and guide them for various effective communication & coordination skills with other departments and teams to integrate in various MEP prerequisites.

AL - OTHMAN CONSULTANTS FOR SAUDI ELECTRICITY COMPANY (EXTRA HIGH VOLTAGE PROJECTS DEPARTMENT – CENTRAL OPERATING AREA).

Mechanical Engineering Consultant

MARCH 2015 TO OCT 2017

Substation # 9004 Expansion – 380 / 132 / 13.8 kV BSP Project, Al – Sharafiya.

Substation # 9018 – 380 / 132 / 13.8 kV BSP Project, Al-Salboukh.

Substation # 9007 (PP-7) – 380 / 132 / 13.8 kV BSP Project, Al-Sanayyah

Substation # 9027 - Expansion of 380 / 132 / 13.8 KV BSP Project, Al-Kharj Rd.

Substation # 9023 - Expansion of 380 / 132 / 13.8 KV BSP Project, Al-Kharj Rd

- Monitoring & inspecting the procured material & installation with testing of all mechanical system & equipment for the HVAC system like packaged air conditioning unit, split AC, ventilation system, & firefighting like fire hydrant & hose, FM200, & plumbing system, storm & sanitary drainage system.
- Ensure all the mechanical works for HVAC, firefighting & plumbing system are done in accordance with the approved construction drawings, P & IDs, detailed design drawings, contract documents, project technical specifications and all the applicable standards with compliance of approved submittals.
- Coordination & follow up with other SEC Dept. like Safety & Environmental Protection Division (ISD), Pre - Qualification & Support Facilities Division (PQ & SF), Field Operation & Support Facilities Division (FOSS), & Engineering & Design Division (E&DD) for design reviews, inspections and SEC approvals.

SOFTWARE PROEFFICIENCY

AutoCAD 2D & 3D

CATIA V5

Pro-E Wildfire 3.0

Adobe Photoshop

3D Studio Max

MS Word & Excel

MS PowerPoint

MS Outlook

TECHNICAL SKILLS

Project Management

Time & Cost Management

Planning & Estimation

Bidding & Tendering

MEP Engineering

Sub-Contractor Management

Projects Coordination

Stakeholder Management

Maintenance & Repair

NON - TECHNICAL SKILLS

Creative & Problem Solving

Leadership & Teamwork

Efficient Decision Making

Strong Communication Skills

Motivated & Hard Working

AWARDS & HONORS

EMPLOYEE OF THE YEAR – 2015

Al-Alamiah Technical Corp. - Riyadh

AWARDED MAN OF THE SERIES - 2017

District Level Cricket Tournament – Ratnagiri, Maharashtra State.

CERTIFICATE OF APPRECIATION - 2018

For volunteering in a charity event held at Mumbai, Maharashtra State.

AWARDED AS BEST PERFORMER - 2019

Pulsetech Consulting Engineering Pvt. Ltd., - Mumbai, Maharashtra State.

HOBBIES

Cricket & Fitness

Motorcycling

Surfing Internet

Watching Movies

Exploring Places

- Conducting meetings with several main & sub-contractors, vendors along with other concerned SEC divisions to review the design & site progress related issues & delays in the project time line completion
- Plan the execution of mechanical related works & coordinate with electrical & civil dept. to assign targets for accomplishments & ensure the targets are met on daily basis for all mechanical groups at site.
- Inspecting the testing - commissioning of booster, submersible & fire pumps along with conducting pressure, hydro & gravity test in piping system as per the procedures in accordance to SEC standards.
- Witness the T&C of HVAC equipment's like packaged air conditioning units, split A/C, ducted FCU, smoke purging fans, pressurization fans, tunnel ventilation fans along with testing & air balancing of HVAC system in coordination with SEC - field operation & support facilities division.
- Monitor & inspect the installation & testing of DDC panels for the SAS system, & various electrical system like MVD, MF/SD, solenoid valve, disconnecting switches, lighting arrestor, grounding system, electric duct heater, FACP panel, various cable trays & pumps control panel.
- Witness the testing & commissioning of fire alarm & detection system, FM200 fire suppression system & fire hydrant system in coordination with SEC - safety & environmental protection division.
- Preparing daily, weekly progress reports & issuance of site instruction & nonconformance reports, if the contractor failed to comply with standards, approved drawings, PTS & report to SEC group leader & PE.
- Conduct general inspection on contractor's and subcontractor's work completion to be within the SMACNA, ASHRAE, NFPA & IPC standards & to assure a safe operation of work at site.
- Inspecting the installation of EOT crane & testing for various load test, deflection test as per SEC standards & test procedure.
- Examine & inspect the steel structure support installation for 380/132kV GIS & transmission line gantry lattice structure, peaks & towers against design shop drawings & assuring compliance with approved submittals.
- Responsible to prepare T&C reports and relevant logs & drawings and to verify basic calculations related to respective discipline for new and existing facilities, & validate the red markups and as-built drawings.
- Review & prepare method statements, pre-commissioning, start-up, commissioning check lists and inspection procedures, inspection test plans for the various mechanical disciplines and industry practices for HVAC, Fire Fighting, Plumbing & drainage systems.
- Schedule and conduct the inspection and test in coordination with the discipline engineer as per project technical specification requirements & ITP & prepare monthly progress reports along with trackers to monitor the work progress of the contractor.
- Issue site observation & nonconformance report when the specification or procedural requirements are not met / violating the compliance of the requirements with PTS, & make sure that all inspection requests are conducted such as the Test Report, Calibration Certificates, previous copies of the inspection report, and as-built drawings.

AL- ALAMIAH TECHNICAL CORPORATION - GROUP OF ASSAD SAID FOR CONTRACTING CO.

Mechanical Project Engineer

JUN 2011 TO AUG 2014

RABIGH 2 X 660 MW Independent Power Plant Project – Rabigh

Substation # 8173 - 132 kV/13.8 kV Project – Al Rayyan

Substation # 8076 - 132 kV/13.8 kV Project – Al Jellah

Substation # 8832 - 132/13.8 kV Project – Al Buraidah

New Qaisumah - 380 kV/115 kV/13.8 kV BSP Project – Hafr-Al-Batin

- Perform the installation & testing of HVAC equipment's like Packaged air conditioning units, Air handling unit, evaporative coil units, split A/C's, air curtains, chillers, CHW piping, pumps, valves & make-up tanks, DDC panel, smoke purging fans & ventilation fans.
- Prepare & submit various project related documents like welding procedure specification (WPS), welder qualification report (WQR), and Request for Inspection (RFI's), Testing & air balancing reports etc.

- Perform testing - commissioning & air - balancing for HVAC machines equipment's, chilled water piping & plumbing system for clients & contractor's witnessing and organizes test report for the tested equipment's as per the clients' requirements.
- Perform the installation & testing of firefighting system like fire sprinkler system, fire hydrant system, FADS system, fire extinguishers, clean agent FM200 fire suppression system along with other utilities like irrigation system, U/G drainage system & plumbing system.
- Follow up for inspection with client / consultants & main contractor's engineer for supplied material & accomplished work and assure that inspections are carried out as per their schedule & procedure.
- Design & modify the approved construction drawings for the HVAC & plumbing & drainage system as per site requirement (if required) to avoid any obstruction in with other disciplines, and prepare the red- mark-ups and as-built drawings for final approval.
- Follow-up and coordinate with the factory and other vendors/suppliers for HVAC, firefighting, plumbing, irrigation & drainage system materials and accessories, duct fabrication & other materials for on time delivery as per clients approved material and delivery schedule to expedite the material shipments in order to avoid any delays.
- Arranging and submitting all associated documentation required for submittal approval & estimate the bill of quantity for material requirements and maintaining and submitting daily & weekly progress reports in an agreed format to the Project Manager & Main Contractors.
- Attend regular meetings with clients, consultants & Main contractor to review & provide the update for project progress, also attend & Transcribe the Health & Safety Environment procedures & meetings on the site, and submit daily report to HSE safety consultant.
- Prepare & submit the invoice claims to the main contractor for the supplied & installed material quantity & accomplished work with all the required documentation & billing.
- Able to handle a team of 100-120 workers including supervisors, foremen's & technicians & schedule the work as per the project plans & deadlines.

SHAPES & SHADES INTERIOR DESIGNS COMPANY, RATNAGIRI

Mechanical Engineer

AUG 2006 TO MAY 2007

- Estimates, prepare & assign the resources such as manpower, materials, consumables, equipment's and tools etc. required prior to various manufacturing processes like turning, shaping & welding.
- Follow up and coordinate with the product fabrication, assembly line, tooling & material inventory with vendors & operators.
- Provides manufacturing decision-making information by calculating production, labor & material costs, and planning the step of processes for rapid output product.
- Review production schedules & organize product handover by complying with customer necessities.
- Manage equipment operation by coordinating maintenance & repair services for machines & equipment's & contributes to team effort by accomplishing related results as needed.
- Perform site visit with the required manpower to shift, uplift, install & assemble the completed products and conduct maintenance sequels for preceding delivered products.
- Prepare & maintain the track record of all activities like daily activity report, capital flow, inward - outward materials & timesheets etc. & report to factory manager.
- Coordinate with the clients and their representatives to resolve the hindrance occurred during the project execution also including attending regular meetings to keep them informed of the progress, and the resolved issues as per the client's satisfaction.
- Prepare electromechanical shop drawing & as-builts drawings on CAD software's and submit it to the lead interior designer for the final validation & prepare various material submittals for client's approval.