

# M.AFZZAL QAISAR

## CIVIL ENGINEER



### PROFILE

**Experienced Civil Engineer with over 9 years of diversified experience, including 6 years in the Gulf (Qatar and Saudi Arabia), specializing in infrastructure, building construction, and renewable energy (solar power) and Cogen projects.** Proven track record in project planning, execution, quality control, and site supervision of large-scale civil works including utility-scale solar plants, commercial/residential buildings, and public infrastructure.

Skilled in coordinating with multi-disciplinary teams, managing subcontractors, and ensuring compliance with international standards (ACI, BS, ASTM) and local regulations (**Qatar energy, SBC, Aramco, SABIC, SEC**). Known for delivering projects within time and budget while maintaining strict safety and quality standards. Adept at preparing BOQs, technical submittals, site reports, and as-built documentation. Open to new challenges in EPC, infrastructure, and renewable energy

### CONTACT

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### PERSONAL INFO

**Nationality:** Pakistani  
**Marital Status:** Single  
**Iqama Status:** Transferable  
**Passport #:** HY4918471  
**DOB:** 17<sup>th</sup> Aug. 1995  
**Languages:** English (Fluent)  
Urdu/ Hindi (Fluent)  
Arabic (Basic)

### WORK EXPERIENCE

#### Samsung C&T



Civil Engineer – Jubail / Saudi Arabia

April 2025 – Present

**Currently engaged as a Civil Engineer on the Petrokemya South (SABIC) - New Jubail Cogeneration Plant Project (729 MW Power + 1200 t/h Steam) valued at over \$800 million USD for the Sabic Petrokemya, I perform the following duties:**

- Conducted site assessment, topographical surveys, and geotechnical evaluations for cogeneration plant infrastructure development.
- Designed and supervised construction of equipment foundations (turbines, generators, boilers) ensuring compliance with structural and vibration criteria.
- Planned and executed civil works for plant buildings, cooling towers, chimneys, and pipe racks in coordination with multidisciplinary teams.
- Oversaw excavation, concreting, and structural erection works, maintaining adherence to safety standards and project timelines.
- Coordinated with mechanical and electrical teams to ensure precise alignment and structural integration of heavy equipment and utility systems.
- Supervised the development of drainage, water supply, and sewage systems to support plant operation and environmental compliance.
- Performed quality control and testing of construction materials including concrete and steel, ensuring compliance with IS and international codes.
- Reviewed and verified civil design drawings, bar bending schedules (BBS), and construction methodology.
- Managed civil documentation for inspection, approvals, and handover during plant commissioning phase.
- Conducted regular inspections and maintenance planning for civil structures to ensure long-term performance and safety.

#### Samsung C&T.



Civil Engineer – Raslaffan/Qatar

Oct 2022 – Feb 2025

**As a Civil Engineer at Samsung C&T, I actively contributed to the success of the 850 QEIC PV Solar Project worth over 600 million USD.**

- Conducted site surveys and soil investigations for the installation of ground-mounted solar PV systems.
- Designed and supervised civil foundations for module mounting structures, inverter pads, transformers, and control buildings.
- Managed land grading, access roads, stormwater drainage, and boundary wall construction in line with project specifications.
- Coordinated with mechanical and electrical teams to ensure proper alignment and installation of solar modules and power evacuation systems.
- Ensured quality control through material testing (concrete, steel, soil compaction) and adherence to IS codes and safety standards.
- Prepared civil BOQs, work schedules, and technical drawings using AutoCAD and STAAD Pro.
- Oversaw contractor activities and ensured timely execution of civil works within budget.
- Maintained all QA/QC documentation, DPRs (Daily Progress Reports), and as-built drawings for project completion and handover.

## EDUCATION

### International Islamic University Islamabad, (IIUI)

Bachelors of Civil Engineering  
2014– 2018

- Graduated with CGPA 3.77

### Punjab Board of Technical Education Lahore (PBTE)

Diploma of Associate Engineering (D.A.E)  
2011-2014

- D.A. E Completed with A+ Grade

## INDUSTRY EXPOSURE:

### Renewable & Conventional Energy

During my tenure at Samsung C&T and UCC, I have had the opportunity to work on project for some of the leading companies in both the renewable and conventional energy sectors. My experience spans Construction management exposure with renowned firms such as:

- **Qatar energy**
- **Aramco**
- **Total Energy**
- **EDF Renewables**
- **Kahramaa**
- **Technip Energies**
- **Siemens Energy.**
- **ABB**

## SKILLS

- Structural Design (AutoCAD, Revit)
- Project Management & Scheduling (MS Project, Primavera)
- Cost Estimation & Budgeting
- Site Supervision & Quality Control
- Environmental Impact Assessments (EIA)
- Building Information Modeling (BIM)
- Communication and Team Collaboration

## ADDITIONAL SKILLS

- Quantity Survey
- eCPW holder from Qatenergy
- Approved Lifting Supervisor

## Urbancon Contracting (UCC)



### Civil Engineer Engineer

Dec 2019 – Apr 2022

- Review and interpret architectural, structural, and MEP drawings.
- Coordinate with architects, structural engineers, and service consultants.
- Participate in project scheduling, planning of resources, and construction methodology.
- Supervise civil works such as:
  - Excavation and backfilling
  - Foundation works (isolated, raft, or pile)
  - RCC works: columns, beams, slabs, walls
  - Masonry, plastering, waterproofing, tiling, and finishing works
- Ensure daily site progress aligns with the project schedule.
- Ensure compliance with design specifications, standards (ACI, BS, ASTM), and local codes (e.g., SBC).
- Conduct quality checks on materials (e.g., cement, steel, aggregates) and workmanship.
- Witness and document tests such as slump test, cube compressive strength, rebar tests.
- Maintain daily progress reports (DPR), inspection checklists, and site records.
- Handle RFIs, work inspection requests (WIRs), and method statements

## Defence Housing Authority (DHA)



### Sub Division Officer (SDO)

Aug 2018 – Dec 2019

- Oversee execution of civil engineering projects such as:
  - Roads and bridges
  - Government buildings (schools, hospitals, offices)
  - Drainage and irrigation works
  - Rural/urban infrastructure (culverts, retaining walls, etc.)
- Ensure all works adhere to sanctioned drawings, specifications, and quality standards.
- Conduct regular inspections of project sites.
- Monitor physical and financial progress as per approved schedules.
- Verify contractor work before issuing measurements or payments.
- Prepare and review detailed project estimates (DPRs), BOQs, and cost assessments.
- Verify running bills, final bills, and maintain Measurement Books (MBs).
- Recommend payments as per contract clauses and completion milestones.
- Ensure use of approved materials and proper workmanship.
- Conduct or witness material testing (cement, concrete, aggregates, etc.).
- Promote site safety practices and adherence to labor laws.

## Habib Rafiq (Pvt Ltd) (HRL)



### Civil Site Engineer

Mar 2016 – Aug 2018

- Prepare the Quantity of materials required in site.
- Inspection of the different projects at the same time.
- Guiding the foreman, labor for the specific tasks especially the steel fixer.
- Checking all materials required on site from the site store inclusive of Steel and embedded items etc.
- Layout for the steel work in the raft foundation, isolated footing, combined footing.
- Dealing in the frame works, Solid block, hollow blocks, arches in doors and windows.
- Inspection of Steel and Concrete