

# ABDUL WASAY MOHAMMED

Civil/ Structural Engineer | Technical Engineer

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<http://linkedin.com/in/abdulwasay29>



## OBJECTIVE

I aspire to seek a role where my diversified professional experience, skills & leadership qualities will add value to the company and the projects that I will be involved within my breadth of experience.

## SUMMARY

A Civil/Structural engineer with around 9 years' experience worked in different roles, i.e., Technical Engineer and Supervision Consultant in both structural & civil engineering covering different phases of the projects starting from initiation through completion.

My experience is in handling two of the high value projects in Qatar covering reinforced concrete structures, Post-tension structures, Hollow core slabs, temporary structures and composite & Non-Composite Steel structure towers from sub-structure elements like piling, raft, perimeter

retaining walls through the super-structure and roof structures.

Worked in different stages of a project extending technical support to senior engineer during design reviews, reviewing method statements, reviewing material submittals, technical inputs to construction team and interface coordination with other disciplines such as architectural, MEP, utilities, Interior Design. Excellent communication skills. Energetic, self-driven, hardworking & enthusiastic learner.

## EDUCATION

Bachelor of Civil Engineering (B.Tech.),  
Jawaharlal Nehru Technological University  
(JNTU), Hyderabad (2014).

## TRAINING /MEMBERSHIPS

Certified Civil Engineer of MMUP (17405).  
Graduate Member of Institute of Civil Engineers,  
UK. (93707347)  
Certification in Navisworks Essentials.  
Certification in Civil CAD (Autodesk)

## SOFTWARE PROFICIENCY

Autodesk – Revit, AutoCAD, Navisworks; Dlubal  
RFEM, Prota Structures, Idea Statica, Tekla  
tedds., Word, Excel and PowerPoint.

## PERSONAL INFORMATION

**Date of Birth:** 12th Sept 1992  
**Nationality:** Indian  
**Marital Status:** Married

## EXPERIENCE TIMELINE

### **11th Jan '20 – Present:**

Civil/Structural Engineer – Dar Al-Handasah, Qatar.

### **1st Mar '16 - 31st Dec '19:**

Technical Engineer – Orientals Enterprises WLL, Qatar.

### **1st Dec '15 – 29th Feb '16:**

QS Engineer – Kasmel Constructions, Qatar.

### **1st April '14 – 15th Nov '15:**

Project Engineer/ QS – Ideal Consulting Associates, India.

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## CORE SKILLS

- \* Verification of temporary structures: formworks, scaffoldings etc.
- \* Review of quality of site work and issuance of SORs, NCRs.
- \* Review of Material submittals.
- \* Review of technical submittals like RFIs.
- \* Review of Pre-qualification submittals.
- \* Preparation and review of engineering drawings; shop drawings, redline markups, As-built drawings.
- \* Ability to proof check my own works and my colleagues
- \* Review of Method statements and ITP
- \* Review of post-tension, composite steel structure, pre-cast shop drawings and related design reports.

## TECHNICAL SKILLS

- \* BIM coordination, clash detection, create clash reports using Autodesk Navisworks.
- \* Coordination of Structural Steel erection engineering.
- \* Interdisciplinary coordination including architects, contractors, suppliers, vendors etc.
- \* Schedule preparation and site monitoring works.
- \* Interface & coordination works with all other disciplines.
- \* Review of 3<sup>rd</sup> party lab test certificates; product test certificates, MTC.
- \* Preparation & review of variation orders/claims.
- \* Coordinate with site team about scope of work, client deliverables and problem resolution.
- \* Working knowledge of Civil/ Structural codes, including but not limited to: BS. Code, Euro code, IBC, ACI 318, ASTM, QCS 2014, AWS D1.1, AISC, ASHGAL Standards.

## ADDITIONAL SKILLS & RESPONSIBILITIES

- \* General project management duties.
- \* Technical support to the quality control team, planning team based on the site activities.
- \* To conduct inspections of site works.
- \* Coordinating with project site engineers regarding work sequence, civil/structural work schedule etc.
- \* Ensuring Civil / Structural tests and inspections are performed as per code requirements.
- \* Prepare technical reports and presentations.
- \* Assist in the analysis, evaluation, and interpretation of data obtained during site investigations.
- \* Coordinate with site team & civil/structural Inspectors in supervising related activities.
- \* Charing Technical meetings
- \* Snag list preparation & Project closeout report.
- \* Perform regular site visits to ensure flow of work & its quality complies with approved method statements, ITPs and project specification.
- \* Familiar with structural analyses programs like Dlubal RFEM, IDEA Statica, Prota Structure, Axis-VM, Tekla Tedds, STAAD Pro etc.,
- \* Able to analyze and design concrete building, steel building, connection design etc., using finite element method
- \* Provide studies, design and investigation for development and need of existing buildings.

## SUMMARY OF PROJECTS WORKED ON

### M/s. Dar Al Handasah, Qatar

- ✈ Lusail Plaza Towers (BP12 A, B, C & D) (high-rise)  
1.87 billion USD – Design & Built.  
Total Structural Steel works = 24,350 tons

### M/s. Kasmel Construction WLL, Qatar

- ✈ Porto Arabia Towers (waterproofing).

### M/s. Orientals Enterprises, Qatar

- ✈ Mozoon Towers (Tower A, B, C & D) (high-rise)  
550 million USD – Contracting.  
Total Structural Steel works = 6,500 tons

### M/s. Ideal Consulting Associates, India

- ✈ Commercial and residential projects (mid-rise).

# PROJECTS & RESPONSIBILITIES HANDLED

As Civil/ Structural Engineer

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**PROJECT** : LUSAIL PLAZA TOWERS

**BUDGET** : 530 MILLION USD

**SUPERVISION CONSULTANT**

**“DAR AL HANDASAH”**

**Lusail Towers Plaza – Lusail, Qatar** - Proposed to be the most iconic commercial high-rise towers in Qatar located approximately 15 kilometers north of Doha along the east coast of Qatar facing the Arabian Gulf. The towers will be the tallest in the state forming the gateway to the city of Lusail. Two towers at 70 stories and two at 50 stories totaling a GFA of 60,000 sq .m (excluding landscape area) and 13,150 car park spaces. The project site is a part of the larger Lusail City development which involves transforming and developing the area north of Doha into a residential and commercial district accessible to Doha via light rail and highways. The Plaza Project is known as the “CP-07B LRT Project” and is being developed into a light rail metro station, car park, amphitheater, and highway throughway.

**DESIGNER:** FOSTERS + PARTNERS; **CLD:** ARCADIS; **CONTRACTOR:** HYUNDAI & MIC CONSTRUCT; **FABRICATOR:** EVERSENDAL.



3D PERSPECTIVE



CONSTRUCTION STAGE

## RESPONSIBILITIES HANDLED

- Review construction sequences (including materials to be used) and method statements during the construction period in order to ensure safe construction activities are carried out on site
- Promote a culture of awareness regarding the health and safety protocol to maintain an accident-free environment for the Contractors by reviewing Risk Assessment
- Assists in the review of vendor/Contractor submittals and Requests for Information (RFIs) to bring product design from engineering phase to completed construction
- Ensuring Compliance with applicable Codes, Standards and Regulations, and ensuring the adequacy of design for permits and compliance with approved plans
- Performing design review or design verification on technical documents prepared by others
- Coordinate structural & civil work with the work of other engineering disciplines
- Examine civil/structural drawings for completeness, details. Check manufacturers’ prints and coordinates between these and shop drawings
- Coordinate structural work with the work of other engineering disciplines.
- Reviewing of all engineering deliverables/task within specified timelines
- Review and provide commented design reports & design to lead engineer for their approval
- Review and provide comments on the drawings, for steel connections details in compliance to the approved design report and IFC drawings
- Coordination of key design assumptions to site during site execution/implementation
- Perform routine material inspections for the material delivered to site to ensure compliance with the approved submittal



CONSTRUCTION STAGE PHOTOS (KEY ITEMS)



OUTRIGGER AND BELT TRUSS ERECTION

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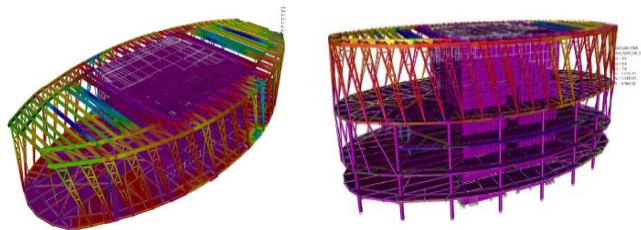
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**BUDGET** : 530 MILLION USD

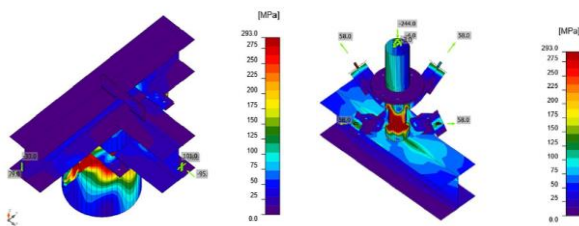
**SUPERVISION CONSULTANT**

**“DAR AL HANDASAH”**

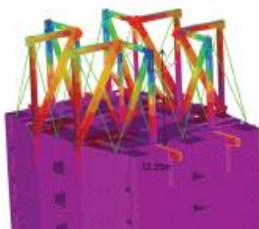
## RESPONSIBILITIES HANDLED



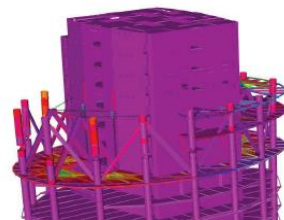
ROOF CROWN ERECTION



CONNECTION DESIGN AND VERIFICATION



OUTRIGGER ERECTION



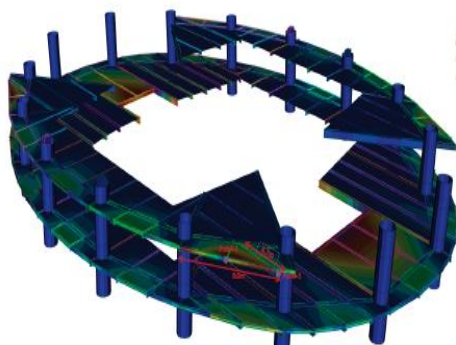
BELT TRUSS ERECTION



POST-TENSION SLAB



COMPOSITE SLAB



COMPOSITE FLOOR & SLAB ERECTION

- Regular site inspection to ensure that all works including the workmanship, safety measures, progress, material used and sequences are in accordance to project requirements
- Familiar with update-to-date construction methods of various facilities, construction materials, sequences, costing, industry practices, etc. Ability to strive for balance among design, cost, safety and quality
- Investigating and reporting on field problems (SOR and NCR)
- Ensuring the quality and consistency, accuracy, and completeness of engineering deliverables
- Compliance with applicable QA procedures and being responsible for producing quality work
- Carrying out inspections for civil and structural works including but not limited to Installation of pre-fabricated offices, pavement (rigid & asphalt), parking shade installation, works related to wet and dry utilities, backfilling works, steel erection works, PT slabs, convention slabs, formworks, reinforced concrete elements, façade works, waterproofing works etc.,
- Reviewing Inspection and test plans & relevant QC forms to be implemented on-site or off-site
- Accepts/ rejects the completed works offered for inspection by the contractors
- Check the works in their area of responsibilities for compliance with specification and drawings
- Performs progressive inspection and highlight potential nonconformities to Construction team
- Maintenance of accurate inspection and Quality Control Procedures
- Investigate and rectify problems highlighted
- Witnessing of Non-Destructive Testing on site
- Provision of input into the development of the Project's total quality assurance/ quality control processes, procedures and systems
- Review of regular monitoring records and to verify AAA (alert, alarm, action) of the dewatering system to ensure it aligns with the approved design.

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**PROJECT** : MOZOON TOWERS  
**BUDGET** : 550 MILLION USD

**MAIN CONTRACTOR**  
**“ORIENTALS ENTERPRISES”**

**Mozoon Towers – Doha, Qatar** - The Mozoon Towers development is located in West Bay, a coastal region wherein high-rise buildings are present intensively. The structure on a land area of 29,375 sq. m has a total indoor area of 560,000 sq. m with total number of hotel rooms and Apartments of 1,797 and 2,252 car parks, detailed as follows:

- Tower A – The Oberoi - Doha (25F)
- Tower B – Marriott Renaissance Hotel & Courtyard Hotel (32F)
- Tower C – Retaj Suites & Residence (37F)
- Tower D – Marriott Executive Apt. & Residence Inn (45F)
- Podium (3F) & Common 5 Basements

**DESIGNER:** MZ AND PARTNERS; **FABRICATOR:** RAMCO T&C WLL.



3D PERSPECTIVE



CONSTRUCTION STAGE



CONSTRUCTION STAGE



CONSTRUCTION STAGE

## RESPONSIBILITIES HANDLED

- Support development of technical proposal and provide comments on the technical content and level of effort of the proposed scope of work
- Review construction sequences (including materials to be used) and method statements during the construction period in order to ensure safe construction activities are carried out on site
- Promote a culture of awareness regarding the health and safety protocol to maintain an accident-free environment for the Contractors
- Providing technical guidance and Engineering support for design and construction activities
- Submit Requests for Information (RFIs) to bring product design from engineering phase to completed construction
- Assist with directing technical services personnel in proper execution of drawings for civil/structural systems
- Applying sound Engineering principles to resolve technical issues
- Coordinate with other engineering disciplines like structural, civil, architectural, MEP & ID works to deliver a clash free output for implementation/execution
- Advise project leader throughout the project cycle on all necessary statutory submissions and assist in submission schedule, design timeline and resources
- Manage time so that balance is achieved between team support, technical work and business development
- Identifies and recommends improvements in processes on continuing basis and assist in implementation
- Delivering of all engineering deliverables/task within specified timelines and budgets
- To assist successful delivery of projects, work to meet targets, work within budget and program

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**PROJECT** : MOZOON TOWERS  
**BUDGET** : 550 MILLION USD

**MAIN CONTRACTOR**  
**“ORIENTALS ENTERPRISES”**

## RESPONSIBILITIES HANDLED

- Evaluation of Variation and Claims & tender documents
- Developing Inspection and test plans & relevant QC forms to be implemented on-site or off-site
- Check the works in their area of responsibilities for compliance with specification and drawings
- Assisted in identifying the variations, prepare and submit change notification & change proposal submission to client
- Assisted in preparation of interim valuation, submission to client, obtain payment certificate and payment follow up for the payment
- Assisted in preparation and submission of extension of time, claim etc., to client
- Prepare and compile specification, BOQ, drawings, package schedule, deliverables table
- Perform product research, assists project designers with material selection
- Assisted on Procurement Strategy
- Assisted in review, evaluate change proposal from Contractor with reference to contract documents and negotiate/ finalize and release change orders/ variation orders
- Assisted in preparation of Cost Estimates, Bill of Quantities
- Assisted in preparation, send out Request for Quotation (RFQ), Compile quotation from supplier and prepare comparison
- Assisted in negotiation for suitable suppliers with quality, effective price and ensure compliance to the approved specification.



SKYLIGHT SUPPORT & PODIUM



SKYLIGHT



STEEL STRUCTURE TRUSS



STEEL STRUCTURE TRUSS