

**BILAL AHMED SIDDIQUI**  
**A-GRADE UPDA CERTIFIED**  
**QCDD CERTIFIED**  
**MECHANICAL ENGINEER**

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DOHA – QATAR

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**PROFESSIONAL OBJECTIVE:**

To be an asset to the organization and to achieve a promising position in the organization, where I can enhance my skills and strength in conjunction with company goal and objectives.

**ACADEMIC QUALIFICATION:**

COURSE	UNIVERSITY/ BOARD	INSTITUTION	YEAR OF PASSING
B.E (Mechanical)	N.E.D University	N.E.D. University of Engineering & Technology Karachi - Pakistan	2005
XII	Board of Intermediate & Secondary Education – Hyderabad Sindh	Govt. Degree College Latifabad Hyderabad Pakistan	1999
X	Board of Intermediate & Secondary Education – Hyderabad Sindh	St. Bona Venture's High School Hyderabad Pakistan	1997

**WORK EXPERIENCE ( 11+ Years in GCC + 2 years in Pakistan ):**

**RAZI SONS LTD Karachi, Pakistan (From August 2005 to August 2006 )**

***Position: Assistant Manager –Development Department***

**ABS ENGINEERING COORPORATION Karachi, Pakistan (From Dec,2006 to Sept,2007)**

***Position: Estimation Engineer – Mechanical***

**ABS** is a general Engineering, Fabrication and Erection Company, dealing in manufacturing of plants, machinery and equipment for **Oil & Gas, Fertilizer, Petrochemicals, Power plants, Ethanol, Cement, Sugar, Food & Confectionery and other processes, manufacturing and Allied industries.**

Beside turnkey projects, in-house manufacturing facilities to design, fabricate, erect and commission a wide range of coded equipment for:

**Oil & Gas, Fertilizer and Petrochemical industries, such as; Pressure vessels, Shell & Tube Type Heat exchangers, Air Cooler Heat Exchangers, Tube Bundles, Distillation / Rectification / Dehydration Columns, Knock-out Drums, Steam Drums, Condensers, Re-boilers, Reactors, Oil Storage Tanks, etc.**

**Roles & Responsibilities**

- Studying tender drawings, BOQ, Specification for proper evaluation & estimation in line with the requirement.
- To look after the workshop activities of fabrication.
- Cost analysis and preparation of technical and commercial package for the fabrication and erection projects.
- To update the progress on site.
- Coordination with site engineers.
- Designing of Chemical Tanks.

**TRAGS ELECTRICAL ENGINEERING & AIR CONDITIONING W.L.L Doha - Qatar (From Sept, 2007 till Date)**

***Position : Estimation Engineer – Mechanical (MEP - Services)***

**Trags Electrical** is a contracting company providing turnkey solutions in the global market for Plumbing, Drainage, Fire Fighting , HVAC and Electrical services, for High rise Residential & Commercial buildings, Central Energy Plants, power plants, Hotels, Sports Complexes and Facilities Buildings.

**JOB RESPONSIBILITIES: (AS ESTIMATION ENGINEER) 2007-To 2010**

- To report to Estimation Manager. Initial review in conjunction with Estimation Manager, resource requirement, budget, quality estimations, risk, special conditions and the like. Tendering including materials, suppliers, sub contractors quotation, resourcing and comparison. Tender preparation including arranging all enquiries, take offs, queries, query letters and subsequent submission. Post award procedure preparation of documents and other tender analyses information summaries for hand over to relevant team members.
- To prepare tender documentation queries to consultants/clients to confirm and collect any missing data including; shipping costs, insurance, and any regional requirements.
- To prepare technical proposal documents like equipment schedule, construction schedule, work procedures and other related reports to ensure the Company is positioned to win and secure bids.
- To review draft tender documents to ensure all systems and components of the tender are included.
- To interpret & review system drawings to identify any difference to tender requirements and raise queries against specification.
- To review and generate Bill of Quantity against system drawings to ensure alignment and to identify materials types & quantities and prepare equipment lists and rough drawings for cost estimation.
- To interpret and follow Company tendering processes and procedures to ensure all aspects of tenders are met including relevant discipline codes and standards.
- To prepare specification documents to submit to vendors for quotations of cost/price of materials and equipment and evaluate same against tender specifications to include in final tender documentation.
- Complete Variation & Valuation of the ongoing Projects.
- Dealing with supplier, sending enquiries, price negotiation & placing the order with the management approval.
- Performing Heat load calculation, Static pressure Calculations and Pump Head Calculations.

**Major Projects Handled Costing/Estimation:**

- International Islamic Bank Headquarters (2B+G+M+45 Floors), Client – Islamic Bank
- 3 No Schools around Doha, Client - Ashghal
- Doha Convention center, Client – The Sports City Project
- Training Field , Client - MARBU
- Jaidah Commercial Development (3B+G+M+7 Floors), Client – Jaidah Motors & Trading

- Central Plant 3 & Central Plant 6 (District Cooling Plants) for Qatar Foundation, Education City, Client – Qatar Petroleum
- Qatar Airways Crew Accommodation, Client – Qatar Airways
- Qatar Faculty of Islamic Studies for Qatar Foundation, Client – Qatar Petroleum
- Virginia Commonwealth University for Qatar Foundation, Client - Qatar Petroleum
- Qatar Power Transmission System Expansion Phase IX – Client Kahramaa

**Major Projects Handled Variation & Valuation Works:**

- Central Plant 2 & Central Plant 4 for Qatar Foundation, Education City, Client – Qatar Petroleum.
- Training Field, Client - Marbu
- No Schools around Doha, Client - Ashghal
- Public Services Building at Al Dhaayn, Client – Ministry of Interior
- Commercial Bank Headquarters, Fit-out works, Client – Commercial Bank
- Qatar Power Transmission System Expansion Phase IX – Client Kahramaa
- Qatar Faculty of Islamic Studies for Qatar Foundation, Client – Qatar Petroleum

**JOB RESPONSIBILITIES: (AS PROJECT ENGINEER) 2010-To Date**

- To Study Contract Documents, Scope of Works & Project Specification thoroughly
- To Float Inquiries, Follow-ups, Gather quotations and Negotiate to Prepare Price Comparison Sheets & Budget Sheets for all Mechanical Materials.
- Verification of Design Drawings
- Performing Heat Load Calculation Commercial, Residential, Multistoried Buildings, Villas, Schools, Health center etc. using E-20, Carrier HAP4.2 software or using excel format as per ASHRAE standards.
- Technical calculation such as ESP calculation for Fan and Pump head calculation for chilled water pumps, Domestic Pumps & Equipment Selection
- Participation in progress meetings with Main Contractor / Consultant / Client
- Preparation and submission of Material Submittals For All Mechanical Items
- Preparation and Submission of Installation Method Statements For All Mechanical Services
- Preparation and submission of Inspection and Test Plan For All Mechanical Services
- Coordination with Main Contractors & Consultants to resolve different issues as per site situations
- To Write Contractual & Corresponding letters thru Out the Project
- Preparation of RFI's providing alternative solutions for site issues
- Supervise CAD Team for preparation and submission of Shop Drawings, Red Mark Drawings, Sketches & As Built Drawings
- Finalizing Orders and making records for Deliveries
- Preparing logs for material submittals, orders, material received etc.
- Preparation of Commissioning Procedures for all Mechanical equipment.
- Handling over all documentation and queries.
- Preparation and submission of spare parts list for all Mechanical Equipment.
- Leading Site Supervisors and monitoring site execution works ensuring the progress is made according to the approved shop drawings
- Assigning tasks to area supervisors scope wise

- Preparation of Site Execution Schedule and Manpower Requirements, Planning for Deputation of Manpower
- Monitoring of Site Execution, attend Site inspections, supervising Site activities
- Commissioning of major Equipment
- Preparation and submission of O & M manuals
- Preparation and Submission of Training Manuals
- Conduct Training of Systems for client representatives
- Preparation of Final Handing Over Documentation
- To Attend meetings with Facility Management for the schedule, Plans and activities related to Preventive and corrective maintenance as required
- Attend weekly / Monthly meetings for Progress update and compliance to scheduled activities
- Monitor the Preventive maintenance schedule and follow up for compliance to the same
- Prepare Checklist for preventive maintenance activities
- Preparation of Invoices for Corrective maintenance work orders
- Inquire, negotiate and finalization of materials for Procurement related to Corrective maintenance work orders
- Prepare weekly/monthly reports for submission to Facility Management
- Sending Inquiries, Getting Quotations and Negotiations & Preparing Comparison & Budget Sheets for all Materials.
- Coordinating with Facility Management to solve different issues
- Leading commissioning activities, coordination between Vendors, Client, Specialists
- Scheduling Commissioning Sequences

#### **Major Projects Handled Site Works:**

- **Project: Katara Maintenance Project – Client - Katara**  
Position: Lead Engineer at Katara Cultural Village Maintenance for Plumbing, Drainage & Fire Fighting Equipment and services
- **Project: Civil Defence Head Quarters Building – Client - MOI**  
Position: Project Engineer
- **Project: Qatar Power Transmission System Expansion Phase IX –Client - Kahramaa**  
Position: Mechanical Engineer
- **Project: Qatar Faculty of Islamic Studies – Qatar Foundation**  
Position: Project Engineer
- **Al Khaliji Commercial Bank Headquarters Building [B2+G+32] – Lusail Marina Com – 40 Client – AL Khaliji Bank**  
Position: Sr. Mechanical Engineer / Acting Project Manager
- **EPIC for Fire Stations at MIC – Client - Qatar Petroleum**  
Position: Sr. Mechanical Engineer/ Acting Project Manager / Commissioning Coordinator
- **Dukhan Air Base Facilities – Client - Qatar Armed Forces**  
Position: Sr. Mechanical Engineer

### **Projects Handled Designing Works:**

- ESP calculation of Packaged Air-conditioning Units for Qatar Power Transmission System Expansion Phase IX – Package S5. Client Kahramaa
- ESP calculation of Fans for Qatar Power Transmission System Expansion Phase IX – Package S5. Client – Kahramaa
- Qatar Faculty of Islamic Studies for Qatar Foundation, Client – Qatar Petroleum
- Pump head calculations for Jaidah Commercial Building. Client - Jaidah
- **EPIC for Fire Stations at MIC – Client - Qatar Petroleum**  
Position: Sr. Mechanical Engineer/ Acting Project Manager / Commissioning Coordinator

### **ACADEMIC PROJECTS:**

#### **Internships & Trainings:**

40 Days Internship From Amin Textiles Mills Pvt. Ltd. Hyderabad – Pakistan

#### **Project Undertaken:**

Project Design for improvement in existing PLC based production machineries suitable for semiautomatic operation in case of partial breakdown.  
(Afroz Textiles Pvt. Ltd - Pakistan)

#### **Training Profile & Certificates:**

- **Registered Professional Engineer – Pakistan Engineering Council – Expiry Dec 31, 2020**
- **Understanding and Implementing ISO 9000:2000 version – Dated June – 05-2004**  
(N.P.O – National Productivity Organization – Pakistan)
- **A – Grade UPDA (Urban Planning Developing Authority), Doha – Qatar – Registered Engineer – July 2014 till Date**
- **Qatar Civil Defence Department – Registered & Certified Engineer - Doha – Qatar – Dec 2014 till Date**
- **ASHRAE – QATAR ORYX CHAPTER – Certification – Doha Qatar - March – 03 - 2018**
  - Topic 1: Solar Power Generation
  - Topic 2: Design & Sizing of On-Gird PV Systems
  - Topic 3: Use of Energy Performance Simulation in Buildings
  - Topic 4: Solar Energy & Absorption Cooling Application & Solar Assisted Air Conditioning Systems
  - Topic 5: PV Performance Analysis under Different Tilt Angle, Different Orientation, Dust Effect  
& Different mounting System
  - Topic 6: Demand-Side Management for Promotion of Sustainable Energy Technologies
- **ASHRAE – QATAR ORYX CHAPTER – Certification – Doha Qatar – Feb-09-2019**
  - Topic 1: Inverter driven air-cooled screw compressor technology
  - Topic 2: Centrifugal compressor technology & district cooling applications
  - Topic 3: Design considerations & available HVAC system analysis

Topic 4: VRV project segment & design consideration for hotels, apartments, offices & villas

Topic 5: Selection details of FACU + VRV

Topic 6: VRV Cloud & latest control solutions

➤ **Introduction to Stationary Fire Pump Training per NFPA # 20 – Sept-17-2018**

AC Fire Pumps – Axylum – Doha - Qatar

**OTHER SKILLS & QUALIFICATIONS:**

Software	:	AutoCAD 2007 (Basics)
Other skills	:	Complete MS Office (Proficient)
		Operating Systems
		Basic Computer Hardware;

**PERSONAL DETAILS:**

Name	:	Bilal Ahmed
Date of Birth	:	26th Feb 1982
Nationality	:	Pakistani
Marital status	:	Married
Languages Known	:	English, Urdu
Passport No.	:	JP1150023
Mobile	:	+974 – 55996947 (Qatar)
	:	+92-345-2931868 (Pakistan)
Email	:	bilal163@hotmail.com

**DECLARATION:**

I here by declare that the information furnished above is true to the best of my knowledge and belief.