

# ENGINEER TARIQUE HUSSAIN



## EXPERIENCE & KEY COMPETENCIES:

- ✓ Responsible for leading the team of Materials Engineers, Materials Inspectors & QC Inspectors. Taking initiatives to improve the performance and quality of materials and Quality control. I am reporting to Director Construction & QA-QC.
- ✓ Responsible for developing, the Self-Consolidating/Compacting Cement Concrete (SCC) Mix Designs by ACI 237R, normal weight & heavy weight Cement Concrete (CC) Mix Designs by ACI R211.1, of high performance, better and more reliable quality, dense and uniform surface texture, improved durability of (125 Years Design life), high strength, and faster construction.
- ✓ Responsible for developing, the Asphalt Mix Designs of BWC, BBC and Binder Course (BC) layers by MS-2 and AASHTO M 323, either by SUPERPAVE or Marshal Method.
- ✓ To develop project's Inspection & Testing Plan (ITP) and Quality Control Plan (QCP) in accordance with BS EN ISO 9001:2015 Quality Management System (QMS), project's technical specifications, International technical codes and standards.
- ✓ Implement of the company's QA/QC Policies and Procedures on job sites to ensure quality standards met throughout the project implementation and make recommendations when required.
- ✓ Ensure compliance of used materials with the approved Inspection, Testing Plan (ITP) with project's specifications.
- ✓ Compiles the project Quality Plan for the project and interfaces with the consultant client to obtain approval & ensures the implementation of

## PERSONAL SUMMARY

I am **Tarique Hussain**, self-motivational and resourceful **CIVIL ENGINEER /Quality Control Engineer** working, excellent knowledge of International standards (**ACI, ASTM, BS, AASHTO, MS, EN, DIN, MRDTM, QAS**), establishing and maintain effective working relationships with management, staff, contractors, the public and others encountered in the course of work. & more than 8 years Materials Inspections & Testing, methods statements & quality assurance experience in prestigious infrastructure projects, Riyadh Metro, Haramain High Speed Rail, Kingdom Tower Jeddah, Architectural, Interchanges, Viaduct Bridges, and civil construction industry seeking a senior level assignment.

## WORK EXPERIENCE:

### **AHM Engineering Construction Company Karachi**

**15<sup>th</sup> November 2021- Continuous on Duty**

#### Position: CIVIL Engineer /Site QC Engineer.

- To formulate, the Conception, Planning, implementation and Responsible for performing Quality Control (QC) activities and implementing PQC project quality control programs under the direction of Quality Control Manager (QCM) according to approved (PQCP). Being a part of QC Team my major responsibility to perform assigned inspections, monitor progress and success in assigned functional area during the construction of a major transit system. More than 19 sites consist of, and line-2 Fuel stations 14 and Egress Shaft 13 sites total 63 Kilometers under (KP). Specially assigned duties on Egress Shaft Quality Control and Manage the Coordination between Sub-Contractor, MEP and Consultant Regarding Quality Control Issues.
- To Review and raise the Work Inspection request (WIR)
- To Review and raise the request for site structure changing with the coordination of Site Engineer like Field Change Request (FCR) and Request for Information (RFI) on VBC Software Link with Client and consultant.
- To conduct the inspection according to approved Inspection Test Plan (ITP) prepared for site construction as per drawings monitor all Activities on site regarding quality issues solution.

#### Name of the Projects:

- ✓ Shell Petrol Pump Karachi,
- ✓ PSO Petrol Pump Karachi
- ✓ Byco Petrol Pump Karachi
- ✓ Port Qasim Karachi
- ✓ Keemari Port Karachi
- ✓ Nooriabad Karachi
- ✓ Hascol Petrol Pump Karachi

# ENGINEER TARIQUE HUSSAIN

QA/QC Plan on projects. To develop Quality awareness on site and implement a culture of assurance throughout the project. By monitoring the all Material Specialists of company, & subcontractors and maintaining records of all material.

- ✓ Inspect and monitor construction sites to ensure adherence to safety standards, building codes, and specifications, resolving technical queries regarding materials performance.
- ✓ Commitment to consistent quality in accordance with our (client) project specification requirements. Verify that the quality related site activities are in accordance with the applicable codes and standards.
- ✓ To Check the quality of materials & having ability to perform following test as per ASTM, BS, BS EN Standards in mentioned material testing departments within & site the laboratory;
- ✓ Ability to perform myself, review, analyze, interpretation, rectification & supervision of worked performed by my staff within below mentioned departments on all types of Cement Concrete Mixes, & Hot Mix Asphalt Mix with the help of test standards as per project specification.

- ✓ **SOIL SECTION:**
- ✓ **ROCK SECTION:**
- ✓ **AGGREGATE SECTION:**
- ✓ **CEMENTITIOUS SECTION:**
- ✓ **CHEMICAL(CHEMISTRY)SECTION:**
- ✓ **FRESH CONCRETE SECTION:**
- ✓ **HARDENED CONCRETE SECTION:**
- ✓ **DURABLE & HIGH PERFORMANCE CONCRETE SECTION:**

## WORK EXPERIENCE:

**Saudi Ready Mix Concrete Company (CR 2051024902) AL-Turki Group**  
**August 2016 – October 2019 (3.2 Years) Saudi Arabia.**

**Position: Senior Material Engineer /Site QC Engineer.**

To formulate, conceptualization, planning and implementation of Hot Mix Asphalt, Self-Compacting Concrete, Heavy and Normal Weight Cement Concrete's Mix Designs of high performance, better and more reliable quality, dense and uniform surface texture, improved durability, high strength, and faster construction, Designs for the project. Prepare JMF of Sub Base & Aggregate Base Course Design Mixes with the help of following mentioned test standards as per project specification.

## Name of the Projects:

- ✓ **The King Abdul Aziz Riyadh Metro Project is a Rapid Transit System (ADA), (84.7 Billion SR).**
- ✓ **Al-Haramain High Speed Rail (SRO) , (6.79 Billion SR)**
- ✓ **Interchanges (4) / Fly Over construction in Jeddah City (Azizyah) Project.**
- ✓ **CONSTRUCTION OF NEW HARAMAIN HIGH SPEED RAILWAY 380KV S/S.**
- ✓ **The Yamamah Hospital Riyadh.**
- ✓ **The Twin Queen Tower Riyadh.**
- ✓ **The ABV Rock (Govt Hospital) Riyadh Project.**
- ✓ **The Aramco Jubail Port Project.**
- ✓ **Nesma Housing Projects Jubail and Riyadh.**
- ✓ **El seif Hospital and RAFT Project Riyadh Saudi Arabia**

## Type of Works:

**Line 1 (Blue Line)** runs in the North-South direction along Olaya and Batha streets, starting from slightly north of King Salman Bin Abdul Aziz Street and ending at Dar Al Badia neighborhood in the south. The Metro will be mostly underground in a bored tunnel along Olaya and King Faisal Streets, and elevated on a viaduct along Batha Street and at the northern and southern ends. Length of approximately 39 km & 25 stations, in addition to 4 transfer stations with Lines 2, 3, 5, 4 & 6.

**Line 2 (Red Line)** runs in the East-West direction along King Abdullah Road, between King Saud University and the Eastern Sub-Center, mostly elevated section in the median of the planned freeway. Length of about 26 km, 14 stations, & 3 transfer stations with Lines 1, 5 and 6.

## Job Responsibilities:

- Responsible for performing Quality Control (QC) activities and implementing PQC project quality control programs under the direction of Quality Control Manager (QCM) according to approved (PQCP).
- Being a part of QC Team my major responsibility to perform assigned inspections, monitor progress and success in assigned functional area during the construction of a major transit system. More than 79 sites consist of Lin1 stations, 24 and line2 stations14 and Egress Shaft 13 sites total 63 Kilometers under BACS Contract in capital city of Kingdom of Saudi Arabia for Riyadh Metro Project (RMP). Specially assigned

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## PERSONAL ATTRIBUTES:

- Leadership Skill.
- Problem Solving.
- Decision Making.
- Excellent Communicator.
- Team Player.
- Service Oriented.
- Well Organized.
- Punctual.
- Hard Worker.
- Team Management

## Professional Experience Certifications:

- Certificate of Experience from Saudi Ready Mix Concrete Company Saudi Arabia.
- Certificate of Experience from AL Raziq Enterprises Civil Contractor & General Supplier.
- Certificate of Experience from Halepota & CO Civil Contractors and General Order Supplier.
- Certificate of Experience from AL Raziq Enterprises Civil Contractor & General Supplier.
- ✓ Certification of experience ISO 9001-2015.

## Language Proficiency:

- Fluent conversation in English, Arabic, Urdu, Hindi, Punjabi, and Sindhi.
- Reading in Arabic, English, Urdu, Arabic, Punjabi and Sindhi.
- Writing in Arabic, English Urdu Punjabi and Sindhi.

duties on Egress Shaft Quality Control and Manage the Coordination between Sub-Contractor, BACS Construction, BACS MEP and Consultant Regarding Quality Control Issues.

- To Review and raise the Work Inspection request (WIR)
- To Review and raise the request for site structure changing with the coordination of Site Engineer like Field Change Request (FCR) and Request for Information (RFI) on VBC Software Link with Client and consultant.
- To conduct the inspection according to approved Inspection Test Plan (ITP) prepared for site construction as per drawings monitor all Activities on site regarding quality issues solution.
- Witness & monitor all inspections with consultant and third Party inspection.
- Conduct Quality petrol inspection on every site twice in a month with client and consultant review & resolve quality issues found in Q P inspection.
- Coordinate, discuss with site Engineers & resolve concerns of consultant & client.
- To Monitor and Conduct the Third-Party Test for all Steel Structure Welding Joints Non-Destruction Test (NDT) By DPT/Magnetic/Ultrasonic Method at Site.
- To Monitor and Conduct the Third-Party Test for Fire Proofing Sealant Application applied between Steel Structure and Block wall And Precast/Cast-in-Situ Structure.
- To conduct the inspection according to approved Inspection Test Plan (ITP) prepared for Ready Mix Concrete Batch Plant and Site Construction Activities.
- To Prepare, conduct & review the inspection Test Plane (ITP) under the QC Department guidelines & accordance with ISO 9001-2015 version Quality System.
- To prepare & review the Testing procedure prepared by QC Department in the guideline of ACI, ASTM or AASHTO to conduct testing for the Concrete Ready-Mix batch plant (CRMBP).
- To assess & inspect the plant QC laboratory to determine that their equipment, procedures /techniques, sample recording and result reporting compliance with the applicable standards & codes.
- To evaluate batch plants capability and safety to meet RMP Safety Management Plan (SMP) and Contract requirements.
- To review and performs full-scale plant trials to determine the required engineering properties (Design Mix) as per approved BACS Engineering Specification.
- To conduct daily inspection of Aggregate Storage Areas (ASA) for following;
  - ✓ Cleanliness and contamination
  - ✓ Separation of materials in the bins
  - ✓ Handling of materials
  - ✓ Aggregate spray system, drainage (bottom slab)
  - ✓ Mill certification with bulk shipment.
- To conduct daily inspection of Potable Water Storage Tanks Areas (PWSTA) for following;
  - ✓ Water Supply Pump function
  - ✓ Water chillers capacity & max.
  - ✓ Output temperature between 2 to 3 degree Celsius
  - ✓ Ice flakes plant capacity and addition procedure
- To conduct daily inspection of Chemical Admixture Storage Tanks (CAST) for following;
  - ✓ Identification of type, brand, and manufacturer
  - ✓ Chemical Admixture Supply Pump function
  - ✓ Storage capacity

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## COMPUTER SKILLS & COMPETENCY:

- Experience with Adobe editing software.
- MS Outlook.
- MS Word.
- MS Excel.
- Aconex.
- VBC.
- MS Power Point.
- Internet Explorer.
- MS Photo Editor.
- Ice
- AUTOCAD
- 

## PERSONAL CHRONICAL:

- Father Name: Khalid Hussain.
- Date of Birth: 04-04-1991.
- Nationality: Pakistani.
- Religion: Islam.
- Marital Status: Single.
- Visa status: Employment.
- Driving License: KSA Available Left Hand Side and Right Hand Side Pakistani Available.

## AVAILANILITY:

- One (1) Month Notice Period.

## MAIL ADDRESS:

House NO #48, Street No #02, Ward No #07, Memon Town Digri District Mirpurkhas Sindh Pakistan.

- ✓ Agitation & circulation Equipment
- ✓ Storage life and any special storage equipment
- ✓ Proper Installation of permanent connection pipes for supply.
- To conduct daily inspection of Concrete Batching Equipment (CBE) for following;
  - ✓ Capacity, number and type
  - ✓ Calibration Certificates and evidence of previous ones
  - ✓ Software system & return to Zero Indication
  - ✓ Adequate separation of bins, free discharge of materials with tight closing gates.
  - ✓ Weighing hoppers freely suspended & conditions of fulcrum and pivot points
  - ✓ Water and Ice addition system (fully automatic?), delivery system leak-free & allowable water adjusted for free moisture in aggregates
  - ✓ Separate dispensers for each admixture & sequence of addition (after the water)
  - ✓ Admixture dispensing system shall be leak free
  - ✓ Indicating devices in full view of operator
  - ✓ Mixing time (current)
  - ✓ Print out ticket
  - ✓ Mix proportions & test data
  - ✓ QC & sampling procedures (history), material certification & sources delivery notes
  - ✓ Site lab. Testing procedures, equipment and sample storage.
- To conduct daily inspection of Concrete Transit Mixers/Agitators Delivery Equipment (CTMADE) for following;
  - ✓ Capacity, number, color
  - ✓ Revolving Counter
  - ✓ Slump Reading Meter Calibration Certificates

Maintenance schedule, fitness certificates & Over all condition of delivery equipment. To formulate, conceptualization, planning and implementation of Hot Mix Asphalt, Self-Compacting Concrete, Heavy and Normal Weight Cement Concrete's Mix Designs of high performance, better and more reliable quality, dense and uniform surface texture, improved durability, high strength, and faster construction, Sub Base & Aggregate Base Course JMF Designs for the project.

## Type of Works:

The Haramain High Speed Rail (HHR) is envisioned to entail the following components: approximate length of 450 Km with Twin Tracks, 4 Stations, 3 Depots, 43 Rail Bridges, 12 Wadi Bridges, 29 Road Crossing Bridges, 13 Camel Crossings 30 Vehicular Culverts, 300 Drainage Culverts, modification of 8 Road Interchanges in Jeddah and 4 Interchanges at Medina.

The Dualization envisioned entailing the following components: approximate length of 67 Km with 6 Wadi Bridges, 11 Road Crossing Bridges, 8 Vehicular Culverts, 12 Drainage Culverts, modification of 1 Road Interchanges in Hyderabad and 2 Interchanges at Mirpurkhas. Heavy & Normal Weight Cement Concrete (CC) (9 Million m3). Plane Cement Concrete (PCC) (0.7 Million M3). Aggregate Base Course (ABC) (1.8 Million M3).

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## Email ID:

- [tarain4@gmail.com](mailto:tarain4@gmail.com)

## Cell No.:

- +92 302 0362729
- +92 311 3208303

## Professional Short Courses

### Certifications:

- ✓ 06 Months DIT Certificate of Experience from Pioneer Institutes of Computer Science Digri 2019.
- ✓ 08 Months AUTOCAD Certificate of Experience from Khan Science Academy Digri 2013.

## **Job Responsibilities:**

- Preparation of ISO Documented Procedures, and
- Preparation of Project Quality Plans
- Ensure preparation & incorporation of all the work methods as required by the
- Contract and corresponding inspection and test plans and formats.
- Preparation & Compliance of Internal Audits calendar.
- Preparation & Conduct of Technical Trainings for Staff.
- Conducting Product quality rating analysis & Site Inspections Reports to concern person.
- Internal Site NCR's Review of MQR Documentation to the Client.
- Review of the MRM & QA-QC Work shop.
- To take corrective & preventive actions.
- Control of Documentation, control of records, ISO procedures & implementation.
- Regular Inspection to the Site, Quality & Work flow point of view, Witness, Review and Monitoring the Quality control Lab tests.

**AL-Raziq Enterprises Civil Contractor & General Supplier (Contractor) 05th AUGUST 2015 – 25<sup>th</sup> MARCH 2016 (6 Months).**

**Position: Senior Material Engineer.**

## **Job Responsibilities:**

- ✓ Responsible for leading the team of Materials Engineers, Materials Inspectors & QC Inspectors. Taking initiatives to improve the performance and quality of materials and Quality control. I am reporting to Director Construction & QA-QC.
- ✓ Responsible for developing, the Self-Consolidating/Compacting Cement Concrete (SCC) Mix Designs by ACI 237R, normal weight & heavy weight Cement Concrete (CC) Mix Designs by ACI R211.1, of high performance, better and more reliable quality, dense and uniform surface texture, improved durability of (125 Years Design life), high strength, and faster construction.
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## EDUCATION:

- BS Civil Engineering 3<sup>RD</sup> Year 2021 Continues From Sindh Board Of Technical Karachi.
- MSc Geology with 1<sup>st</sup> Division in the Year of 2014 from University of Sindh.
- B.com with second Class in Year 2011 From University of Sindh Jamshoro.
- Intermediate Pre-Engineering with 1<sup>st</sup> Division in the year of 2009 from BISE Mirpurkhas.
- Matriculation (Science) with 1<sup>st</sup> Division in the year of 2006 from BISE Mirpurkhas.

- ✓ Commitment to consistent quality in accordance with our (client) project specification requirements. Verify that the quality related site activities are in accordance with the applicable codes and standards.
- ✓ To check the quality of materials & having ability to perform following test as per ASTM, BS, BS EN Standards in mentioned material testing departments within & site the laboratory.

**HALEPOTA & CO Civil Contractors And General Order Suppliers (Contractor) 25th February 2015 – 30<sup>th</sup> August 2015 (6 Months).**

### Position: QA-QC (Quality Assurance) Engineer.

To Check the quality of materials & to perform following test as per ASTM, BS, BS EN Standards in mentioned material testing departments within & site the laboratory. ASTM D4318, ASTM D421, ASTM D1557, ASTM D1883, ASTM C172, ASTM C1064, ASTM C143, ASTM C231.

### Name of the Projects:

- ✓ **Dualization of Tando Muhammad Khan to Matli (NHA) 20KM Project.**

### Job Responsibilities:

- Preparation of ISO Documented Procedures, and
- Preparation of Project Quality Plans
- Ensure preparation & incorporation of all the work methods as required by the Contract and corresponding inspection and test plans and formats.
- Preparation & Compliance of Internal Audits calendar.
- Preparation & Conduct of Technical Trainings for Staff.
- Conducting Product quality rating analysis & Site Inspections Reports to concern person.
- Internal Site NCR's Review of MQR Documentation to the Client.
- Review of the MRM & QA-QC Work shop.
- To take corrective & preventive actions.
- Control of Documentation, control of records, ISO procedures & implementation.
- Regular Inspection to the Site, Quality & Work flow point of view, Witness, Review and Monitoring the Quality control Lab tests.

**AL-Raziq Enterprises Civil Contractor & General Supplier (Contractor) 01<sup>st</sup> July 2014 – 30<sup>th</sup> June 2015 (One Year).**

### Position: Material Engineer.

To Check the quality of materials & to perform following test as per ASTM, BS, BS EN Standards in mentioned material testing departments within & site the laboratory. ASTM D4318, ASTM D421, ASTM D1557, ASTM D1883, ASTM C172, ASTM C1064, ASTM C143, ASTM C231. With Concrete, Hardened Concrete, Aggregate, and Soil testing.

### Name of the Projects:

- ✓ **Dualization of Tando Muhammad Khan Road Matli to Badin Road Laghari-1 (NHA) 67KM Project.**

### Job Responsibilities:

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- ✓ To Check the quality of materials & having ability to perform following test as per ASTM, BS, BS EN Standards in mentioned material testing departments within & site the laboratory
- ✓ Ability to perform myself, review, analyze, interpretation, rectification & supervision of worked performed by my staff within below mentioned departments on all types of Cement Concrete Mixes, & Hot Mix Asphalt Mix with the help of test standards as per project specification.

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