

**Amrendra Kumar Singh**  
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### CURRICULUM VITAE

To,

Respected Sir,

Sub.: Application for the post of **QA/QC Engineer (Civil)**

Being given to under and that you have been recruiting personal for the above post. I am taking this opportunity to submit my candidature with relevant details for your kind consideration.

### PRIMARY DUTIES AND RESPONSIBILITIES:

- ❖ Coordinate QA/QC meetings, Site Inspection and trouble shooting in the various phases of construction work for Road, Apartment Building, Culverts, Underpass, Major Bridge structures etc...
- ❖ Carrying Site Field Inspection with client and company and controlling for site works.
- ❖ Briefing on Safe work practices and identifying hazards associated with job activities by analyzing by Job Analysis Form to all workers, to ensure HSE.
- ❖ Coordinate and well Relation with consultants for day-to-day Site Progress and Lab activities.
- ❖ Study and following of Method statement and Inspection Test Plan Matrix.
- ❖ Monitoring and Measuring for Lab Equipment and Plant.
- ❖ Collecting the samples for Soil, Aggregate, Concrete, Sub-Grade, Aggregate Base Course, Asphalt, Steel and Extra material testing in Internal lab or Third party lab and perform all required frequency tests as per owner specification and Standards.
- ❖ Make a Concrete mix designs at project sites.
- ❖ Source approval for various materials required for the project.
- ❖ Incoming material testing and approval from client.
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- ❖ Incoming material testing and approval from client.
- ❖ Quality control of Concrete production.
- ❖ Soil testing at lab and field compaction testing.

- ❖ Preparation of inspection & test plans, procedures and field quality assurance plan for various activities.
- ❖ Making all kinds of progress reports using MS-word & Excel for the work done & the remaining to be done.
- ❖ Monitoring the plants regularly for quality Products.
- ❖ Checking of incoming material in Quality Control Verified and Received.
- ❖ Concrete batching plant material in charge as well as concrete.
- ❖ Put up daily RFI, maintain daily RFI Matrix report, and submit to the superiors.
- ❖ Preparation of QA/QC documents in Method Statement Procedures.
- ❖ Project documentation and final submission of monthly Progress Report.
- ❖ Auditing on final dossiers by clients and company.
- ❖ Documents submit to senior persons use with company mail system.
- ❖ To lead the team of QC Inspectors for monitoring the on-going daily construction activities.
- ❖ Reviewing the construction method statements and making comments perproject specifications, procedures & ITPs.
- ❖ Regular site visits for foreseeing the potential deficiencies based on hisphysical experience to share with construction crew and guidance to QC Inspectors.
- ❖ Coordination with Civil testing agencies / batching plants for in tine delivery of concretes and subsequent inspection & testing requirements. Ensuring the availability of QC Inspector during any operations.
- ❖ Imitating internal Log Book Entries/NCR's to construction crew for effective Implementation of project quality plan, ITP's, written procedures, project, specifications IFC drawings etc.
- ❖ Coordination with Clients inspectors for getting the feedback for open logbookentries and preparations of corrective actions to close those violations.
- ❖ Emphasizing on the control of documents and records by advising the document controllers, QC Inspectors.

Conducting routine internal meetings with QC inspectors for further vigilance to the potential problems, which must be tackled accordingly to avoid non-conformities

Total Work Experience: - 20 YEARS

#### **WORKING EXPERIENCE:-**

- Working with AIC Infrastructures Pvt Ltd (AICPL). One of the Runways, Metro, Concrete Pavement, Road, Bridges, Civil Infrastructure, Building Construction, leading construction companies in India, Working in Airport Depot for Bangalore Metro Rail Project Phase-2B as Senior QA/QC Engineer from 15 June 2023 to Present.

- Worked with UNITED GULF CONSTRUCTION COMPANY (UGCC). One of the Road, Bridges, Civil Infrastructure, Building Construction, Oil & Gas, Electro-Mechanical and Micro -Tunneling leading construction companies in Kuwait, as Senior QA/QC Engineer from 4 March 2018 to 20 April 2023.
- Worked with AL HOTA ANALYTICAL SERVICES (AAS). One of IAS Accreditation Criteria for Testing Laboratories has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005 in Bahrain, as Senior Material Engineer, period from 24 September 2016 to 14 August 2017.
- Worked with TOP CONCRETE PRODUCTS FACTORY. One of the best ready mixes Concrete Supplier Company in UAE, as Senior QA/QC Engineer period from 24 December 2014 to 23 May 2016.
- Worked with AL MISNEED READY MIX AND BLOCKS COMPANY. One of the best ready mix Concrete companies in Doha-Qatar, as QA/QC Engineer period from 07 April 2013 to 20 November 2014.
- Worked with MAGNUM INDUSTRIAL LABORATORIES (MIL) a member of AL KHALIDIA HOLDING GROUP. One of the Testing Laboratories in Bahrain as QC Engineer period from 23 August 2011 to 2 November 2012.
- Worked with BIN JARALLAH GROUP (BJG) COMPANY. One of leading construction companies in SAUDI ARABIA as QA/QC Engineer period from 1st February 2006. From 1st February 2006 to 25 March 2009, worked in Dualisation of Taif - Al -Baha Road project and from 25 March 2009 to 28 October 2010 worked in Shuqqaiq -Jizzan - Al- Tawal Coastal Expressway road project as QA/QC Engineer.

I am capable of doing all the testing of Soil, Concrete, Aggregate and Asphalt concerning high way construction and site testing jobs independently.

- Worked with REDIANANT ENGINEERING & CONSTRUCTION LTD (REC). One of leading construction companies in India as QC Engineer period from 03 October 2003 to 24 December 2005.

LAB AND FIELD TESTING AS PER: BS, BSEN, ASTM, AASHTO, ACI & IS  
TEST ON SOILS: -

- Particle size distribution - Wet sieving or Dry sieving
- Dry density/moisture content relationship (4.5 kg & 2.5 kg Rammer)

- **In-Situ Density Test (Sand Replacement Method)**
- **Determination of shear strength by direct shear (in the small shear box apparatus)**
- **CBR (California Bearing Ratio) of laboratory compacted soils**
- **Liquid Limit & Plastic Limit & plasticity index of Soil**
- **Moisture Density Test**
- **Relative Density of Sand**
- **Standard Penetration Test**
- **Rock fill Method**
- **Specific Gravity of Soil**
- **Linear shrinkage**
- **Point Load test**
- **Unconfined compressive strength(UCS)**
- **Plate Bearing Capacity**

**TEST ON AGGREGATE: -**

- **Sieve analysis on Fine & coarse Aggregate**
- **Flakiness index**
- **Elongation index**
- **Material Finer Than 75- $\mu$ m (No. 220) Sieve in Mineral Aggregate by washing**
- **Density, Relative Density (Specific Gravity) & Water Absorption of Coarse Aggregate**
- **Density, Relative Density (Specific Gravity) & Water Absorption of Fine Aggregate**
- **Loss on Angels Abrasion Test**
- **Soundness of Aggregates**
- **Specific Gravity of Course & Fine Aggregates**
- **Sand Equivalent Test**
- **Organic Impurity Test**
- **Fineness Modulus**
- **Moisture Content of Aggregates**
- **Unit Weight of Aggregate**
- **Course Aggregate Angularity**
- **Fine Aggregate Angularity**
- **Aggregate Crushing Value (ACV)**
- **Ten Percent Fines Value (TFV)**

➤ **Aggregates Impact Value (AIV)**

**TEST ON CONCRETE: -**

- **Sampling of Fresh concrete**
- **Slump test of fresh concrete**
- **Compressive strength of test specimens**
- **Density of Hardened concrete**
- **Method of Determination of Water Absorption**
- **Determination of RCPT of Concrete**
- **Depth of Penetration of Water Under Pressure**
- **Water Permeability of Hardened Concrete**
- **Initial Surface Absorption (ISAT) of Concrete**
- **Concrete mix design**
- **Mix design calculations**
- **Concrete mix design class "A" on air free basis**
- **Various damages in concrete**
- **Water reducing and retarding admixture**
- **Bleeding in concrete**
- **Relationship between slump and water-cement ratio**
- **Concrete in cold weather**
- **Different type of cement**
- **Relationship between cylinder crushing test and cube crushing test**
- **Concrete Coring & Compressive Strength of Cores**
- **Compressive Strength of Hollow Block**
- **Compressive Strength of Paving Block**
- **Water Absorption of Paving Block**
- **Tensile Splitting Strength & Breaking Load of Paving Block**
- **Transverse Strength of Road Kerb/Edging**
- **Bending Strength of Concrete Kerb/Edging**
- **Measurement of Shape & Dimension of Concrete Kerb/Edging**
- **Measurement of Shape & Dimension of Concrete Paving Flags**
- **Water Absorption of Concrete Paving Flags**
- **Flexural Strength of Beams**
- **Water Absorption of Masonry Unit**
- **Net & Gross Dry Density of Masonry Unit**
- **Determination of Dimensions of Masonry Unit**
- **Determination of Flatness & Squirrness of Masonry Units**

## TRAINING GIVEN BY CONTROLS - ITALY

### EQUIPMENT'S OPERATION FOR SUPERPAVE MIX MANUFACTURE BY "CONTROLS, ITALY"

- Gyrotory Compactor (GYROCOMP)
- Asphalt Slab Roller Compactor
- Rolling Thin Film Oven Test (RTFOT)
- Wheel Tracker Machines
- Asphalt Mixture Performance tester (AMPT)
- Pressure Ageing Vessel (PAV)
- Vacuum Degasing Oven (VDO)
- Automatic Ring and Ball Apparatus
- Bending Beam Rheometer (BBR)
- Automatic Laboratory Mixer
- Ductility Test Machine
- Rotational Viscometer
- Dynamic Shear Rheometer (DSR)
- Flash Point Tester
- Digital Penetrometer
- Falling weight defelctometer -primax 1500
- Asphalt Content / Binder Ignition Furnace
- Maximum specific gravity of bituminous mix by Rice tester method ( $G_{mm}$ )
- Marshall stability & Flow machine

### ASPHALT MIX TESTS: -

Engineer Hani Qasem, SPECS Consultant Services, Czech Republic (Thirty party consultant) having well experience in Superpave mix design analysis and conclusion strata for all kind of asphalt mix with required specifications. He's guide the bursting training for following related testing parameters relevant with Superpave asphalt mix design and others tests as per the standard relevant specifications.

## TESTS ON BITUMEN & PMB

- Penetration Test
- Ductility Test
- Softening Point Test
- Rotational Viscosity Test
- Flash and Fire Point Test
- Loss Mass on heating Test
- Dynamic Shear Rheometer (DSR)
- Multiple Stress Creep Recovery Test (MSCR)
- Bending Beam Rheometer (BBR)

## TESTS ON HMA SUPERPAVE/MARSHALL MIXTURES:-

- Ignition method of determination Asphalt Content
- Gyratory Mould specimen casting ( $N_{des}$  &  $N_{max}$ )
- Bulk Specific Gravity of Mixture ( $G_{mb}$ )
- Gyratory specimen Air voids, VMA & VFA by Calculation
- Dynamic modulus  $E^*$  (Unconfined)
- Dynamic modulus test without Air pressure
- Stress and strain Controlled Test
- Maximum Specific Gravity (Rice, MSG OR  $G_{mm}$ )
- Marshall Stability and flow
- Indirect tensile test for PG mixes
- Wheel tracking test for Gyratory & Slab specimen

## PERSONAL DETAILS

Name: - AMRENDRA KUMAR SINGH

Father's Name: - BALISHTER SINGH

Date of Birth / Place: - 20-07-1981 / GOPAL GANJ

Marital Status: - MARRIED

Nationality / Religion: - INDIAN / HINDU

**Language Knows: -:**

**Speak: ENGLISH, ARABIC, HINDI & BHAJPURI**

**READ: - ENGLISH, HINDI & BHAJPURI**

**WRITE: - ENGLISH, HINDI & BHAJPURI**

**Academic Qualifications: -**

**MATERCULATION (SSC) BOARD OF SECONDERY EDUCATION,**

**ACADEMIC PERIOD - 1997 TO 1998.**

**INTERMEDIATE (HSC) BOARD OF INTERMEDIATE EDUCATION,**

**ACADEMIC PERIOD - 1998 TO 2000.**

**Technical Qualifications: -**

**B.TECH. IN CIVIL ENGINEERING**

**ACADEMIC PERIOD - 2000 TO 2004.**

**Additional Qualifications: -COMPUTER LITERATURE**

**Software Skills: - WINDOWS XP, VISTA, MS-OFFICE - 2003/2009**

**Driving license: - VALID DOHA-QATAR DRIVING LICENSE**

**Permanent Address: -VILL. -NADHNA, P.O.-MOGAL BIRAICHA, DIST-GOPALGANJ,**

**PIN CODE- 841405, STATE - BIHAR (INDIA)**

**Permanent Contract No.: - +917352616526/+919934405440/+919631775730**

**Passport Details: - PASSPORT NO.-C 7267602**

**DATE OF ISSUE - 13-01-2025**

**DATE OF EXPIRY - 12-01-2035**

**PLACE OF ISSUE - PATNA**

**DECLARATION:**

**Hope to you will consider my application and give me chance to work under able guidance. Sir, I assure you my best service and cooperation at all times.**