

Contact HR Consultant for CV No: 336731

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**•Professional Profile**

Seeking an entry level job position in a reputed engineering firm in order to build a long term career by investing the best of my technical knowledge & educational qualifications and to serve the organization with an outstanding output.

**•Work Experience**

* Worked as an industrial trainee in the Instrumental department in **Economic Reconstruction Agency (ERA)** from Feburary 2016 to May 2016.
* Worked as Site Engineer in **Economic Reconstruction Agency (ERA)** From June 2016 to December 2016.

**•Main Features of This Project**

* Four lanes divided carriageway elevated road from Jehangir Chowk to Rambagh Bridge.
* Two lanes, two separate major bridges for each traffic direction over flood channel.
* At Jehangir Chowk an upward ramp is provided from Jehangir Chowk to Rambagh and a downward ramp is provided from Rambagh to Jehangir Chowk.
* Widening & Strengthening of two lanes at grade road on both sides of proposed elevated road on whole stretch of project.
* Provision/improvement of minimum 1.5m wide drain-cum footpath on both sides.
* Provision of electrification and lighting arrangement for whole project stretch.

**•Salient Features**

* Length of Flyover Corridor:-2.45 KMs
* Type of Flyover:-RCC (Reinforced Cement Concrete)
* Corridor Width:-15 Mts
* Project Cost:-36 Crore
* Completion Time:-36 Months.

**•Tools Used in The Project**

* Total Station.
* Rig Machine.
* Bulldozer.
* Concrete Mixer.
* Tremie Pipes.
* Cranes.
* Concrete Cubes.
* Excavators.

**•Methodology**

**•Surveying**

Surveying has tradionally been defined as the science and art of determining relative positions of points above, on, or beneath the surface of earth.

**•Investigation**

**•Field Investigation**

* Surface Exploration.
* Sub-Soil Exploration.
* Execution of Boreholes/Open pit Excavation.
* Sub-Soil Water Conditions.

**•Insertion of Steel Casing**

The Steel Casing is driven keeping the pile point at the centre.The Steel Casing can ideally driven to a depth of at least 1m below the ground level to take lateral loads.Permenant Steel Casing Called Liners can be provided for loose soils.

**•Boring Activity**

The work is basically making a borehole of designed diameter at designated locations to the required depth, after providing temporary or permenant Casing.The boreholes are drilled using rotary or percussion type drilling rigs.

**•Flushing**

Flushing is the method in which Bentonite Slurry is constantly circulated into the bore hole during boring activity and even after boring is completed.

**•Bentonite**

Bentonite is essentially highly plastic clay containing not less than 85% clay minerals.Bentonite are of following two types;-

* Swelling type or Sodium Bentonite.
* Non-Swelling or Calcium Bentonite.

**•Lowering of Reinforcement Cage**

Once the flushing is completed the next step is lowering of steel cage.

**•Concreting**

After the lowering of reinforcement cage the process of concreting starts.The tremie pipes are lowered into the borehole.Diameter of tremie pipes 200mm.Usually 3 tremie pipes are used as single combination with length of one tremie as 4.08m.

**•Excavation**

Once all the piles in a group are laid,next step is the excavation of the pile group.The ground is excavated upto cutoff level which is kept as 2m from ground level to remove bad concrete.

**•Pile Cap & Pier**

**•Pile Cap**

A Pile Cap is a thick mat that rests on concrete or timber piles that have been driven into soft or unstable ground.

**•Pier**

A Pier is an upright support for a structure or superstructure such as flyover, bridge.

**•Pier Cap**

A Pier Cap is a component which transfers loads from the superstructure to the pier.

**•Bearing**

Bearings are used to allow controlled movement and thereby reduce the stresses involved.Following are the types of bearings;-

* Free Bearing.
* Metallic Guided Bearing.
* Pin Bearing.

**•Griders**

Griders are usually concrete structures which are used to support the Deck Slab.

**•Deck Slab**

A Deck Slab is a roadway , or a pedestrian walkway, surface of a bridge, and is one structural element of the superstructure of a bridge.

**•Tests Performed at the Site**

* Slump Test

**•Load Test Performed on Piles**

* Initial Test.
* Routine Test.
* Vertical Load Test.

**•Educational Qualification**

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| --- | --- | --- | --- |
| **Qualification** | **Board/University** | **Year** | **Percentage** |
| B.Tech(Civil Engineering) | I.K Gujral Punjab Technical University | 2012-2016 | 10/6.8 |
| Intermediate | JKBOSE  Srinagar British School | 2009 | 75% |
| High School | JKBOSE  S.P Higher Secondary | 2011 | 65% |

**•IT Proficiency**

* Auto CAD(Civil)

**•Interpersonal Skills**

* Ability to rapidly build relationship and set up trust.
* Confident and Determined.
* Ability to cope up with different situations.

**•Declaration**

I do hereby declare that the above information is true to the best of my knowledge.