MARTAND PRATAP
GURGAON
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To apply the knowledge I acquired during my study and work that can be great contribution to the employer. To further gain and enhance my work experience related to my degree/professional ability.

BACHELOR OF TECHNOLOGY IN CIVIL ENGINEERING
NIT SRINAGAR
SRINAGAR, JAMMU AND KASHMIR
Graduate 2012-2016

POSITION APPLIED **Civil Engineer /QA/QC Engineer/Planning Engineer**
SKILL **AutoCAD, STAAD PRO, Microsoft Word and Excel**

EMPLOYMENT RECORD

Company : **Sterlite Technologies**
Gurgaon.
Position : **Civil Engineer (Project/Presales and Solutions)**
July 2016 – present

Job Description:

Project Varun (Construction of Civil infra for Indian Navy at 33 Sites across Indian in Coastal Regions)

- Checking of Design Basis Report for the Project.
  Checking the parameters such as Load Cases of building components, Soil Data from GTS reports, Foundation, Super Structure, Structural Standards and Codes, Construction Materials, LOADING (Dead Load, Imposed Load, Seismic Load, Wind Load), DESIGN (Design Concept, Analysis, Load Combination)

- Preparing QA and QC criteria as per BIS and CPWD norms for all the field and laboratory testing for construction materials such as :

  - ***Soil / Soils Aggregates***

  Sieve Analysis
  Liquid Limit and Plastic Limit
  Moisture Density Relation
  California Bearing Ratio
  Abrasion
  Field Density Test using Sand Cone Method

  - ***Concrete Aggregates***

  Sieve Analysis
  Bulk Density Determination
  Specific Gravity Determination
  Soundness using Sodium Sulfate
  Clay Lumps and Friable Sulfate
  Abrasion
  Organic Impurities

  - ***Cement / Concrete***

  Normal Consistency of Cement
  Time Setting of Cement
  Mortar Strength of Cement
  Slump Test and Unit Weight
  Compressive Strength and Flexural Test

- Preparing Quality Control Checklists for Civil Execution processes such as Earth Excavation, Reinforcement, Form Work, Foundation Concrete, Slab/Beam Concreting, Brickwork, Plastering, Painting, Water Proofing etc. confirming to the CPWD norms and BIS guidelines.
- Checking the BOQ for All the civil work such as RCC and PCC Concrete work, Reinforcement work, Brick work, Earth work, flooring, Painting, Water proofing, Doors and window etc. confirming to the CPWD and BIS specifications.

- Checking the Architectural/Structural Drawings etc. Pointing the drawings defects by preparing drawing defect tracker. Getting these errors corrected by the coordination with PMC and Designer.
- Validation of geotechnical investigation data based on best geotechnical engineering practice.

Project- Smart City Kakinada (Construction of Data Centre and Other Smart components for Kakinada Municipal Corporation)

- Worked with govt. agencies like KSCCL as a customer and Eptisa as a consultant to the customer for concurrence & approval of the Designs and drawings.
- Was involved in developing the designs and preparation of as-built drawings for the Smart Poles with foundation, VMD Structure along with foundation and other steel structures for Kakinada Smart City Project.
- Prepared the SOP for foundation work for smart poles, VMD etc.
- Witnessed the execution of interior civil work such as False Ceiling, False flooring, Painting and partitioning.

Academic Projects/Seminar/Vocational Training

B.tech Final Year Project-
Evaluation of suitability of Stabilized earth blocks with cement and lime as a stabilizer in construction of non- structural wall.

- Conducted various tests on soil samples taken from two sites such as particle size analysis, Atterberg limit test, Light and Heavy Compaction test etc. in order to arrive at the soil type to mix the optimum stabilizers according.
- Validated that Cement is more suitable for sandy soils to achieve quickly a higher strength and Lime is rather more suitable for very clayey soil, but will take a longer time to harden and to give strong blocks.
- Conducted the Compressive strength test, water absorption test and weathering tests on sun dried stabilized earth blocs and earth blocks without stabilizers
- In case of lime used 8%, 10% and 12% stabilizer percent by weight of soil and concluded that the optimum percentage was 10%
- In case of cement among the stabilizer percent of 8%, 10%, 12% by weight of the soil, the 12% was proved to be best.

- The avg. compressive strength resulted from stabilizers was 10-15 times higher than plain earth blocks in case of Cement stabilizer and 5-10 times higher in case of lime as stabilizers

Seminar-

Study on use of concrete demolition wastes in bituminous mixes as a replacement of aggregates to cut the cost of highway construction.

Vocational Training

Signature Bridge Project, GAMMON INFRA, Wazirabad, New Delhi

- Study of Cable Stayed Bridge, spanning to 675m long across River Yamuna, study of foundation design of the Bridge
- Learned about retaining wall design and various aspects of geotechnical engineering during the training.
- Study of Well foundation and Open foundation and their execution processes
- Close inspection of batching plant of precast slabs and fabrication work of the bridge

PERSONAL PROFILE

Civil Status	:	Single
Nationality	:	Indian
Language/Dialects	:	Hindi, English
Date of Birth	:	July 15, 1995

- ***FURTHER INFORMATION AVAILABLE UPON REQUEST***