

**CIVIL ENGINEERING CONSULTANCY SERVICES AND CONTACT PERSONS**

| <b><i>Structural Engineering</i></b>   | <b><i>Transportation Engineering</i></b>   | <b><i>Geotechnical Engineering</i></b>  | <b><i>Water Resource and Environmental Engineering</i></b>                           |
|--|--|---|--|
| Concrete Mix Design  | Pavement/Road Construction<br>Quality Control and Quality<br>Assessment  | Laboratory testing of Index and<br>Engineering Properties of soils, fine<br>aggregate, and coarse aggregate                                 | Design of irrigation structures and<br>their proof checking; Rainwater<br>harvesting |
| All the laboratory tests on concrete   | Bituminous Mix Design and<br>Performance Evaluation  | Proof Checking/Vetting of Foundation<br>designs and other geotechnical<br>infrastructure  | Flood and drought mitigation and<br>management                                       |
| Determination of physical and Chemical<br>properties of cement   | Concrete Mix Design  | Design of shallow foundation, deep<br>foundations, and tank foundations   | Dam Break Analysis   |
| Proof Checking/Vetting, of all structural designs  | Asphalt Binder (Bitumen)<br>Evaluation and Characterisation  | Third-Party quality audit, Verification<br>of field test reports  | Design of flood protection structures<br>and their proof checking                    |
| Design of RCC structures (multi-storied<br>buildings, bridges, chimneys etc.)  | Bituminous and Concrete<br>Pavement Design, Analysis, and<br>Evaluation  | Dam evaluation & design   | Integrated watershed management  |
| Prestressed Concrete Design  | Third-Party Quality Audit  | Temporary lateral support design  | River surveying and land surveying   |
| Design of all type of steel structures   | Airfield Pavements   | Retaining wall evaluation & design  | Testing of water and wastewater  |
| Tests on Brick/Stone/Tile  | Proof checking and vetting of<br>designs   | Slope stability evaluation & providing<br>suitable design solution for<br>stabilization   | Life Cycle Analyses (LCA)  |
| Performance evaluation, life estimation and<br>structural auditing   | R&D on Pavement Materials<br>(Industry Products)   | Ground Improvement Solutions  | Proof checking/vetting water and<br>wastewater treatment plans                       |
| Repair & Strengthening of Building   | Troubleshooting in Road Projects   | Soil Structure Interaction (2D, 3D<br>Finite Element Analysis), Deep<br>excavations, Seepage analysis                                       | Design of water and wastewater<br>treatment plants                                   |
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