

BIHAR VIKAS MISSION

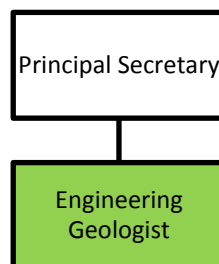
Job Description



1. General Information:

Position Title:	Engineering Geologist
Reports to:	Principal Secretary – Building Construction Department
Department:	Bihar Vikas Mission
Job Code:	

2. Organization Chart



3. Key Accountabilities

Strategizing and Expert Advisory

- Design a strategic plan and roadmap for execution of various construction and infrastructural development programmes to achieve the objectives and targets under various projects of the Department
- Provide technical inputs to the Departments for various construction projects, by suggesting mechanisms to ensure greater stability of rock and soil foundations for tunnels, bridges, and high-rise buildings and increasing their tenacity to withstand earthquakes, landslides, and other natural phenomena
- Support the Department in assessing the design and build structure of important buildings in Bihar by leveraging the use of relevant technology platforms and suggest corrective actions to enhance the quality and sustenance of these buildings
- Provide recommendations to the Department on the proposed use sites for large scale building and construction projects and provide the necessary information required to carry out large scale infrastructural development works on such sites
- Lead or assist in the delivery of geotechnical input to projects and provide technical guidance and support to junior engineers and technicians working with the Department
- Assist in inspection of construction projects in order to analyze engineering problems, applying geological knowledge and using test equipment and drilling machinery
- Plan and lead the Department in conducting geological, geochemical, and geophysical field studies and surveys; sample collection; and drilling and testing programs used to collect data for research and/or application

Continuous Improvement

- Identify opportunities for continuous improvement of systems, processes and practices taking into account international and national best practices, in order to facilitate cost optimization and productivity improvement

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Policies, Systems, Processes & Procedures

- Recommend improvements to functional procedures and follow all relevant departmental policies, processes, standard operating procedures and instructions so that work is carried out in a controlled and consistent manner

Related Assignments

- Perform other related duties or assignments as and when required

4. Qualifications and Experience

Essential

- Master's degree or higher in Geology / Applied Geology / Geophysics / Engineering Geology (full time)
- Minimum 15 years of post-qualification experience in construction / infrastructure sector with at least 7 years of experience in the area of geotechnical engineering for large scale construction and infrastructure development projects of various portfolios

Preferred

- Less than 70 years of age as on 1st January 2017
- Experience of working on state and national level large scale projects (budget value of more than Rs. 2500 crores) with proven records of execution of the project
- Proven track record of working with state / central government / bilateral / multilateral organizations on programs of similar nature and size (such as NDMA, SDMA, Indian Society of Engineering Geology (ISEG), UNICEF etc.)
- Proven track record of facilitating design of large scale earthquake resistant structures for earthquake prone areas
- Master's degree or higher in Geotechnical Engineering
- Certificates / Diploma / Courses in relevant courses will add weight to the candidature
- Honors / Awards / discourses / recognized publications in relevant area will be an added advantage

5. Knowledge and Other Skills

- Ability to use surveying equipment and GPS systems
- Experience of analysing rock and soil samples with the use of magnetometers, microscopes, and various computer programmes, as well as specialised analytical equipment
- Thorough knowledge of AutoCAD and geotechnical assessment and modelling
- Fluency in written and spoken English and Hindi