



BODHI TECHNOCRATS
ENGINEERING & BEYOND



WELCOME

BODHI TECHNOCRATS



We proudly introduce ourselves as BODHI TECHNOCRATS, one of the leading Geotechnical Engineering Consulting firm also extending services in Project Management Consultancy Services.

We are fully adroit at conducting the full range of Geotechnical investigations, review & elucidation of data and related analysis, specially tailored to meet client requirements.

With a line-up of contemporary equipment and other allied resources, we provide a comprehensive suite of services which are not limited to

- ◆ Geotechnical Investigations
- ◆ Structural Designs
- ◆ Due diligence of Highways & Structures
- ◆ Hydrological Studies
- ◆ Project Management Consultancy
- ◆ Allied Engineering Services

We have grown from a startup to a professional organization with more than 40 highly motivated employees. We are specialized in provided safe and budget friendly designs for foundations, soil-related and complex geotechnical investigations.

Our project line-up includes infrastructure projects such bridges, highways, industries and real estate residential and commercial projects.

The management team embraces group of highly qualified and experienced personal who have worked in multi-national companies of good repute.

Being a pro-quality centric organization, we are determined to render flawless and accurate services to our esteemed clients with stipulated time.



Services Offered

GEOTECHNICAL ENGINEERING SERVICES

Geotechnical Investigations

Geotechnical investigation can be regarded as an essential part of the preliminary or detail design of any construction project which determines the engineering (soil and rock mechanics) characteristics of the ground. We provide a comprehensive and versatile range of ground investigation techniques ranging from simple trial pit investigations to more advanced drilling and in-situ testing methods.

We are empowered with team of highly motivated and experienced engineers and geologists who have the ability to cope with difficult access sites, ground conditions or terrain, both on land and over water. Our in-house laboratories are equipped to provide comprehensive geotechnical soils and materials testing services.

We ensure that the ground investigation is designed and implemented precisely to meet the project requirements. Where necessary, our multi-disciplined teams are able to integrate the scope of works to cover geotechnical, geological and geophysical concerns in order to provide a technically robust and cost effective site investigation solution.

Our key areas of geotechnical site investigation include:

- ◆ Onshore and offshore site investigations for geotechnical, geophysical and geological work
- ◆ Foundation investigations and design
- ◆ Seismic hazard evaluations and earthquake engineering
- ◆ Dewatering and seepage analysis
- ◆ Geotechnical laboratory testing for all type of rock and soil samples
- ◆ Contaminated land investigation, risk assessments, remedial works design, and validation
- ◆ Design of road, railway, and airstrip embankments
- ◆ Waste facilities design
- ◆ Pavement, subgrade and materials investigations
- ◆ Groundwater studies
- ◆ Soft ground engineering, including reclamation and ground improvement
- ◆ Environmental engineering, including acid sulfate and soil contamination investigations and remediation

FOUNDERS & CORE TEAM

Ramesh Babu Majji

BE (Civil), M Tech (Geotech Engg)

Ramesh Babu Majji, Managing Partner heading the Geotechnical division is a Chief Specialist with over 12 years from global organizations all-inclusive in Geotechnical and Material field, from Masters to till date. Ramesh lead the esteemed tasks both in in-home and organizations abroad, his projections and perfection granted at Qatar Metro Line Development Project, National Cyclone Risk Mitigation Project (NCRMP11), Andhra Pradesh as prime geo specialized designer and executed various reputed projects (India & Abroad).



Srinivas MVDS

BE (Civil), PGD: ACM, MRICS, CE (IEI), MIOV

Srinivas MVDS, heading the Project Management Consultancy division is specialized in Project Management, Valuation and Technical Advisory services with over 12 years experience in multi-national companies in India and UAE. He also manages the administration arrangement at Bodhi backed by his knowledge in the areas of Project Management, Project Infrastructure Finance Management, Business Entrepreneurship, Valuation and Technical Advisory services.



ADVISORS

Dr. Venkat Uday Kala

BE (Civil), M Tech &
PhD (Geotech Engg) IIT Mumbai

Assistant Professor, IIT Mandi highly conversant in characterising geomaterial including soil, flyash, industrial byproducts. He has pursued his PHD in Geotechnical and Geoenvironmental Engineering from IIT Mumbai. He has about 12+ years of industrial, research and academic experience. His expertise spans across Landslide Monitoring and Mitigation, Environmental Geotechnics and other Geotechnical approaches and applications.

Nanda Kumar

BE (Civil), M Tech (Transportation) -
IIT Mumbai

He is highly conversant in Traffic Engineering, Transport Planning, Traffic Impact assessment, Junction Modelling (signalized and non-signalized), Freeway modelling, Traffic Simulation projects, Temporary Traffic Management/Diversion schemes and Traffic Survey supervision Transport Modelling. His professional experience spectrum over consultancy projects, government sponsored projects and research projects.

Geotechnical and Structural Monitoring

Instrumentation and monitoring plays a vital role in any civil engineering project. Instruments are used to characterize initial site conditions. Common parameters of interest in a site investigation are pore-water pressure, permeability of the soil and slope stability. Instruments are used to verify design assumptions and to check that performance is as predicted. Instrument data from the initial phase of a project may reveal the need (or the opportunity) to modify the design in later phases. Instruments are used to monitor the in-service performance of a structure. For example, monitoring parameters such as leakage, pore-water pressure, and deformation can provide an indication of the performance of a dam or in slope. Monitoring loads on tieback anchors or rock bolts and movements within a slope can provide an indication of the performance of a drainage system installed in a stabilized slope. We can provide and install a range of instrumentation which may be required to facilitate sampling and/or monitoring of groundwater, ground movements or a combination of these.

Laboratory Testing

Our in-house laboratory is equipped to provide comprehensive geotechnical tests on soils and rocks, aggregates and earthworks, construction materials and concrete laboratory testing services which meet appropriate IS Standards. All in-house testing is undertaken by our team of experienced laboratory technicians. Presently we are enough equipped to perform following tests :-

Tests on Soil Samples

Grain size	Atterberg's Limits	Direct Shear test	Specific Gravity
Shrinkage Limits	Triaxial Test	Vane Shear Test	Consolidation Test
Lab CBR	Falling Head & Constant Head Soil Permeability Test	Standard Proctor & Modified Proctor	Free Swell Index Of Soil

Tests on Rock Samples

Water absorption	Specific Gravity	Point Load Strength Test	Uniaxial compressive Strength Test
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Ground Improvement Techniques

Ground improvement uses various innovative techniques to change the basic engineering properties of soils to allow for more efficient and cost-effective design. They are an essential component of many construction projects that involve major underground work, unsuitable soil conditions, liquefiable strata, and/or unstable existing structures. Selecting the appropriate ground improvement technique for a project requires knowledge, hands-on experience and skills in a variety of ground improvement approaches. Subsurface conditions can vary greatly within a single site and the characteristics of the insitu soil play a crucial role in determining which ground improvement method to use.



Geophysical Investigation & Survey

There are a wide variety of geophysical techniques available, each one measuring different physical properties and each being more or less sensitive to different types of feature. The suitability of any given technique will depend on the site specific conditions and the type and composition of likely target features.

One of the main advantages to using geophysics is that the entire site can be sampled fairly rapidly for a relatively low cost. The data acquired can then allow the optimal intrusive investigation to be determined which will result in more detailed, comprehensive information being obtained about a site. This will usually result in overall project cost savings.

BODHI's site Investigations will tailor the survey to meet the individual project requirements and on larger sites can undertake trial surveys to assess which techniques will provide the required results. It is a key aspect of our services that we produce concise, clear interpretations and reports. We are aware of the needs of the engineer or developer and present our results in scaled CAD plans with an accompanying report that can be easily understood and used by non-geophysical specialists.

All type of geophysical investigation for engineering and geological investigations

- ◆ Geophysical investigation for ground waters
- ◆ Geophysical testing for bridges and piles
- ◆ Seismic refraction testing
- ◆ Cross Hole seismic testing
- ◆ Downhole testing
- ◆ Electrical resistivity testing

PROJECT MANAGEMENT CONSULTANCY SERVICES

Bodhi's Project Management Consultants can help keep your strategic initiatives on track.

Bodhi's outsourced program management experts are focused on delivering results post-contract award, implementing savings, and developing long-term strategic relationships with our clients. We deliver maximum value by custom tailoring our planning, engagement, and governance to your organization's unique requirements.

We have managed initiatives across multiple categories for companies spanning the construction spectrum. Our outsourced project management services include:

- ◆ Project Management
- ◆ Project Planning
- ◆ MEP Management
- ◆ Safety Management
- ◆ Quality Management
- ◆ Cost Management
- ◆ Liasoning

Our outsourced project management consultants are not just resources driving your company's strategic initiatives forward and delivering results, but committed partners to your company's vision, goals, and success. Below are three ways Bodhi's consultants offer your organization a unique and tailored project management solution.

Project Management Consulting

Bodhi has a proven track record of providing efficient and cost-effective project management services. Our skilled and experienced project managers, construction managers, safety managers, engineers etc will drive your business' projects from planning to successful completion. Our senior members also have the expertise to identify crucial gaps in a project and can tailor the desired approach to your specific needs, delivering both short and long-term wins for your company.

Customized Management Solutions

Bodhi's customized solutions for the management of client initiatives can range from performing a gap analysis and defining key milestones and schedules, to establishing processes, procedures, governance, and metrics to benefit realization across the enterprise. No two companies are alike, and likewise, no two programs are ever exactly the same. That's why Bodhi aids tailor each engagement to ensure it aligns with all interested stakeholders' requirements, culture, technical and financial objectives.

Project Office Establishment

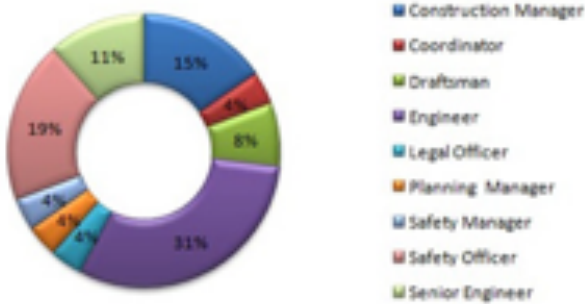
Bodhi can handle your outsourced project management requirements for individual projects, or help you with more holistic, strategic initiatives. Establishing a Project Management Office (PMO) will provide your company the necessary resources to oversee the due diligence, analysis, identification, planning, strategy, and execution of each of component in the portfolio. Bodhi has the subject matter experts and experience to build from scratch, or help supplement your existing PMO practice.

Your company contributes significant time, money, and personnel to its strategic initiatives to help your business grow. Bodhi offers the strategic sourcing, consulting and project management services you need to improve quality and service levels with minimal impact to budget.

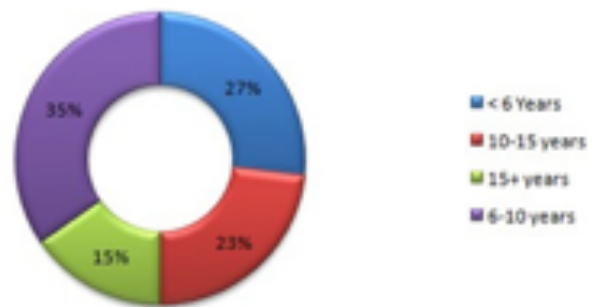
Let us help keep your sourcing projects running smoothly and your company growing by improving overall project connectivity.

BODHI PMC TEAM STRENGTH

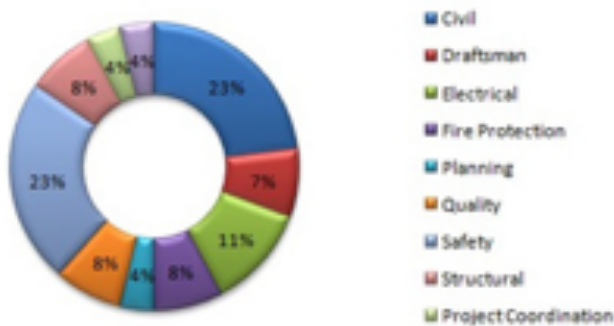
Rank wise strength



Experience wise split



Discipline wise strength



HR CONSULTING SERVICES

Our team of HR professionals will provide HR services and support customized solutions to meet the needs of your business.

Our goal is to assist you produce a working environment that supports your ability to achieve your desired business results. We provide HR services tailored to your specific needs in a way that helps motivate and retain your employees.

With commitment, creativity and courage, we are here to recommend and support HR practices and programs that will deliver positive results in your organization.

We are committed to working in collaboration with like-minded human resources management and business specialists who share our values to give you more than you expect.

We build, develop and strengthen your team by:

- ◆ Assessing and identifying your unique needs and challenges
- ◆ Presenting solutions that are client centered
- ◆ Delivering services that fit your culture and budget
- ◆ Ensuring alignment with business goals that ultimately have a positive impact on profit margins

Our HR solutions are designed to provide companies with a single resource dedicated to managing and supporting all HR and employment processes, thus allowing them to focus on the key business areas.

Geotechnical Investigations

Projects

Bijapur - Hungund section of NH-50

Konda Pochamma Reservoir Bund Construction

Package-13 of Kaleshwaram Project

AMBER Project for Defence at Vikarabad

Four laning of Solapur-Bijapur on NH-13 (NH-52) in Maharashtra under NHDP Phase - III

Six laning from Chitioor to Mallavaram in Andhra Pradesh under Bharatmala Pariyojana on Hybrid

Four-Lane divided Highway from Melur to Karaikudi under Bharatmala Pariyojana, Phase I on EPC mode

Nagpur-Mumbai super communication expressway (Maharashtra Samruddhi Mahamarg) in Maharashtra for Package-13

Six-laning of existing 4-lane road from Kalaparru to Chinna Avutapalli of NH-05 in Andhra Pradesh under NHDP Phase-V under Bharatmala Pariyojana

Proposed Chandrayan Gutia Flyover Hyderabad

Clients

SBHTPL Sadbhav Engineering

KNR Constructions Ltd

SSSIPL-MCC-APCL (JV)

Crester Projects Ltd

IJM (India) Infrastructure Ltd

KNR Constructions Ltd

RUKY Projects Ltd

Spera Infra Consultants Pvt. Ltd

Spera Infra Consultants Pvt. Ltd

BSCPL Infrastructure Ltd

Hydrological Studies

Projects

Hydrological Study and design of Integrated plumbing grid (Pumpout Test & Ground Water)

Clients

Proctor & Gamble

Structural Condition Assessment of Highway Structures (Inventory and condition survey)

Projects

NH-47 in Tamil Nadu

Major District roads (~ 700 kms) in Madhya Pradesh

NH-44 (Kotha Kota to Kurnool, Andhra Pradesh)

NH-21 (Jaipur-Mahua)

NH-58 (Meerut-Muzaffarnagar, Uttar Pradesh)

Clients

(CUBE Highways & Infrastructure Asset Advisors Pvt. Ltd) Singapore

VR Technique, Noida, Uttar Pradesh

Andhra-Pradesh Expressway Limited (CUBE Highways & Infrastructure Asset Advisors Pvt. Ltd)

Jaipur-Mahua Tollway Pvt Ltd (CUBE Highways & Infrastructure Asset Advisors Pvt. Ltd)

Western UP Tollway Limited (CUBE Highways & Infrastructure Asset Advisors)

PHOTO GALLERY

GEOTECHNICAL ENGINEERING SERVICES



Under water drilling
(Krishna River)



Under water drilling
(Bheema River)



Geotechnical work



Plate Load Test
(Warangal)



Rotary drilling
(Tamilnadu)



Hydrological Studies
(Hyderabad)



Geophysical Investigation
(Vikarabad)



Field CBR Test
(Vikarabad)

BODHI'S PMC TEAM



Our Valuable Clientele



Geotechnical Engineering is “Science” but its practice is an “Art” which **Bodhi Technocrats** excels at.



CONTACT US



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