

Request For Quotation For Carrying Out Soil Investigation at Development of Taluk Hospital, Peravoor in Kannur District



August 2025

RFQ No. KIIFC/67/2025-DGM(BD)

07.08.2025

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About Us

KIIFCON Private Limited (KIIFCON), a wholly owned subsidiary of Kerala Infrastructure Investment Fund Board (KIIFB), offers consultancy services including professional technical services, sustainable and innovative solutions for infrastructure development.

KIIFCON aims to revolutionize Kerala's infrastructure sector by providing expert technical services to engineering organizations. Their focus spans across various sectors, including transportation, buildings, energy, urban infrastructure, and public-private partnerships (PPP) transactions.

KIIFCON offers a diverse range of services designed to meet the needs of various sectors. Major Key Service areas of KIIFCON are outlined below:

- Consulting & Advisory Services
- Environment Services
- Design & Engineering
- Project & Contract Management
- Geographic Information System
- Quality Management

Backdrop

KIIFB funded project- Development of Taluk Hospital, Peravoor in Kannur District to enhance healthcare infrastructure. As part of the preliminary process, it is essential to conduct a comprehensive soil investigation. A qualified soil investigation agency will be engaged to carry out this project. The agency will be responsible for conducting the investigation, performing all necessary studies, and submitting a detailed report. The scope of the investigation shall include rock drilling to assess whether any observed subsurface variations are due to isolated rock boulders resting on soil layers, rather than a continuous rock stratum.

Scope of work

1. Carrying out exploratory bore holes drilling (in land) in all type of soil up to any depth or Refusal whichever is earliest as per IS 2131-1981.
2. Carrying out exploratory boreholes drilling (in land) in all types of soil having N value >50 as per IS 6926 :1973.
3. Carrying out exploratory boreholes drilling (in land) in soft rock/ Residual soil having CR=0% as per IS 6926 :1973.
4. Carrying out exploratory boreholes drilling (in land) in Hard Rock/ Very Hard Laterite using Diamond bit. - CR>0%as per IS 6926 :1996.
5. Preparation and submission of geotechnical report with recommendation for a structure.
6. Conducting Standard Penetration Test in bore hole at any depth as per IS 2131 :1981.
7. Carrying out necessary Laboratory Test on Collected SPT Sample/Rock Samples- (Gradation, LL, PL, water content, specific gravity- for soil and UCS/PLI for Rock).
8. Collecting undisturbed soil samples (UDS) with thin-walled sampling tube and its preservation as per IS 10108-1982.
9. Chemical Analysis of Sub-Soil Water Sample (pH, Sulphate and Chloride) as per Relevant IS / APHA Method through samples collected at site.
10. Chemical Analysis of Sub-Soil Sample as per Relevant IS / APHA Method through samples collected at site.
11. Furnishing detailed report along with results of tests, drawings, photographs and recommended measures with specification.

Deliverables

1. Preparation and submission of geotechnical report with recommendation for a structure.
2. Furnishing detailed report along with results of tests, drawings, photographs and recommended measures with specification.

General Conditions

- Proposals shall remain valid till **13.11.2025**;
- During this period, the Consultant shall maintain its original Proposal without any change in the proposed rates and the total price.
- Only NABL Accredited Testing Laboratory quote proposal shall be accepted.
- Payment shall be made only after submission of final investigation report.
- The rates quoted shall be inclusive of GST.
- The proposal shall be submitted on or before **14.08.2025, 3PM** in a **sealed cover** titled “Quotation For Carrying Out Soil Investigation at Development of Taluk Hospital, Peravoor in Kannur District” to the following address:
 The Director(P&E)
 KIIFCON, 7th Floor, Felicity Square,
 MG Road, Thiruvananthapuram- 695001,
 Kerala.
- Any clarification/ communication may be addressed to bd@kiifcon.com.

Bill of Materials

Sl. No	Item Description	Test Method	Qty	Unit	Rate	Amount
I						
1	Mobilization including transportation of all necessary plant and equipment's and materials for boring, field testing and sampling and demobilization after completing work, For machine boring.	--	1	LS/rig		
2	Drilling exploratory boreholes (in land) in all type of soil upto 10m depth or Refusal whichever is earliest.	IS 2131-1981	4	LS/bore		
3	Drilling exploratory bore holes (in land) in all type of soil from 10m to 30m depth.	IS 2131-1981	Based on bore holes	Per meter		

4	Drilling exploratory bore holes (in land) in all type of soil from 30m to 70m depth.	IS 2131-1981	Based on bore holes	Per meter		
5	Drilling Nx size exploratory boreholes (in land) in all types of soil having N value >50.	IS 6926:1973	Based on bore holes	Per meter		
6	Drilling Nx size exploratory bore holes (in land) in Soft Rock/Residual soil. - CR=0%	IS 6926:1973	Based on bore holes	Per meter		
7	Drilling Nx size exploratory bore holes (in land) in Hard Rock/Very Hard Laterite using Diamond bit. - CR>0%	IS 6926:1973	24	Per meter		
8	Preparation and submission of geotechnical report with recommendation for a structure (upto one revision).	--	1	No.		
9	Conducting Standard Penetration Test in bore hole at any depth.	IS 2131-1981	8	No.		
10	Necessary Laboratory Test on Collected SPT Sample for - Gradation, LL, PL, water content, specific gravity- for soil -Up to 10m bore	IS 2131-1981	3	LS/bore		
11	Necessary Laboratory Test on Collected SPT Sample/Rock Samples-(Gradation, LL, PL, water content, specific gravity- for soil -Up to 25m bore	IS 2131-1981	5	LS/bore		
12	Necessary Laboratory Test on Collected SPT Sample (Gradation, LL, PL, water content, specific gravity- for soil and UCS -Up to 50m bore	IS 2131-1981	8	LS/bore		
13	Collecting undisturbed soil samples (UDS) with thin-walled sampling tube and its preservation-Geotechnical	IS 10108-1982	1	Per bore		
14	Arrangement for supplying and conveyance of water for drilling	--	1	LS/bore		

15	Shifting and setting of drilling rig from one borehole location to another borehole - In plain terrain up to 20m distance.	--	3	LS/shift		
16	Chemical Analysis of Sub-Soil Water Sample (pH, Sulphate and Chloride)	As per relevant IS/APH A Method	1	Per test		
17	Chemical Analysis of Sub-Soil Sample	As per relevant IS/APH A Method	1	Per test		
II						
1	Rock Quality Designation (RQD) Test up to 3m depth in the hard rock	IS 11315	Based on site condition (No of bore holes)	meter		
2	Unconfined Compressive Strength (UCS) Test on rock	IS 9143	Based on no of borehole	Nos		
	<p>Note:</p> <p>Before starting the soil exploration, an open excavation of 2 meters width, 3 meters length, and 2 meters depth shall be carried out. If no boulders are found, proceed with the original proposal.</p> <p>All the work shall be conducted in the presence of the contractor, SPV, and design consultant.</p>					
SUBTOTAL						

SUMMARY OF CHARGES	
Total Analysis Charges (INR)	
Total Amount	
CGST 9%	
SGST 9 %	
GRAND TOTAL (INR):	