



MGM INSTITUTE OF HEALTH SCIENCES
CENTRAL PURCHASE DEPARTMENT (CPD)

Plot 1 & 2, Sector -1 Kamothe, Navi Mumbai - 410209

eTender of Soil Investigation Work

Tenders invited from reputed Manufactures of Soil Investigation Work to Testing at MGM Medical College, Vashi, Navi Mumbai in the format given below:

Name of Vendor: _____

SOIL INVESTIGATION WORK FOR PROPOSED MGM SANPADA CAMPUS, NAVI MUMBAI.

				Hydraulic Rig		Calyx Rig	
	Structures	Borehole	Unit	Rate	Amount	Rate	Amount
		BH-1 TO BH-15	15				
			15				
Sr. No.	Description	Unit	Qty	Rate	Amount	Rate	Amount
I	FIELD WORK						
1a	Mobilization of all required equipment, Hydraulic Drilling rigs, plant, instruments and its subsequent demobilization etc complete on satisfactory completion of the soil investigation jobs.	Job	1				
1b	Setting & shifting of rig at bore hole / test location including 1st one.	No.	15				
2	Drilling exploratory bore holes of not more than 150 mm diameter, in all types of soil, as per specification, (soil where SPT "N" equal or less than 50 & core recovery < 10%).	R.M	67.50				
3	Drilling NX size exploratory bore holes in weathered rock / hard rock with T.C./ with diamond drill bit with core run not more than 1.5 m & collecting rock samples using double tube core barrels, preserving rock samples in wooden core boxes, all as per the specifications including gravity grouting if necessary, in water loss zones & providing cement. (Soft rock is defined SPT "N" equal or more than 50 & core recovery > 10%).	R.M	382.50				
4	Conducting standard penetration test (SPT) and collecting / preserving SPT samples, as per specifications.	No.	45				

Sr. No.	Description	Unit	Qty	Rate	Amount	Rate	Amount
5	Collecting block UDS samples from bore holes	No.	15				
6	Collecting ground water samples for chemical analysis.	No.	9.75				
7	Providing core boxes with all latches, handles, separators etc. complete	No.	75				
	TOTAL FIELD WORK						
II	LABORATORY TESTS:						
1	Natural moisture content (NMC) of soils by oven drying method.	No.	15				
2	Atterbert limits of soil i.e.						
	a) Liquid limit (LL)	No.	30				
	b) Plastic limit (PL)	No.	30				
	c) Shrinkage limit (SL)	No.	30				
3	Grain size analysis (GSA) of various soil samples by both mechanical sieve & hydrometer analysis.	No.	30				
4	In situ dry density & moisture content of soil samples.	No.	15				
5	Direct shear test & Triaxial shear test	No.	8				
6	Chemical analysis of soil to determine chloride sulphate.	No.	8				
7	Chemical analysis of ground water to determine Chloride, Sulphate, pH & organic content.	No.	8				
8	Unconfined compressive triaxial test	No.	15				
9	Water absorption and Specific gravity of rock samples.	No.	30				
10	Density and Porosity of rock sample.	No.	30				
11	Point load index of soaked rock sample.	No.	30				
12	Unconfined compression test on rock.(Soaked)	No.	30				
	TOTAL LABORATORY TESTS						

Sr. No.	Description	Unit	Qty	Rate	Amount	Rate	Amount
III	COMPILATION OF DATA & REPORT						
	Compilation of geotechnical report (3 copies) including field & laboratory test results, recommendation for type of foundation system, SBC, modulus of subgrade, pile capacity, deriving spring constant, graphs, bore log tabulation and addressing all relevant geotechnical issues (shoring , uplift recommendations) etc complete.	Job	1				
	SUMMARY:						
I	Field Work						
II	Laboratory Tests						
III	Report						
	TOTAL (I + II + III)						
	IMPORTANT NOTES -						
1	The depth of bore shall be taken as given in the table above from EGL and it is assumed that rock will encountered @ - 4.50 m depth.						
2	Initial completed borelog should be sent to us for review to determine any modifications to above scope. Detailed tests if required will also be specified at that stage						
Note							
1	The provision of water for drilling purposes at borehole location to be made by the client.						
2	Clean place to make hutment or room for labour's accomodation (at site) should be arranged by client.						
3	Upon approval of the quotation, work will commence within three to four days, contingent upon receipt of the formal work order,						
4	Clear access to the borehole location provided by client.						
5	The Reduced Levels of Borehole point provided by client before completion of field work.						
6	Permission from authorities to work in project area shall be taken by client						
7	Any disturbance due to local problems shall be tackled by the client. Additional charges shall be applied for demobilisation of equipment						
8	The rates presented herewith are valid only for a period of 30 days from the date of quotation						
9	The quantities presented herewith are assumed on the basis of working in the general project area. Actual quantites may vary and the final billing shall be done on the basis of actual quantities only.						
	Terms of payment						
a.	50% of quoted charges along with work order						
b.	40% on completion of field work & before submission of report.						
c.	10% on submission of report						
Kindly email your lowest quotations for above items also in your format with detailed specifications and your terms and conditions as well as applicable Brochure / Catlog, Client list and their Contact numbers to etenders@mgmuhs.com only.							

Sr. No.	Description	Unit	Qty	Rate	Amount	Rate	Amount
Date:		Signature of Tenderer:					
		Name:					
		Designation:					
		Email ID:					
		Mobile No.:					
		Full Address:					