

DETAILED ESTIMATE

**Jal Jeevan Mission (JJM)-JJM PROVIDING FHTCS TO ALL HOUSEHOLD IN ERATTAYAR
AND KAMAKSHI (PART) PANCHAYATHS IN IDUKKI DISTRICTS-Soil investigation for
WTP-Investigation Work**

SI No	Specification	No	Length	Width	Depth	Cf	Quantity	
1	SOIL INVESTIGATION							
1.001	OD134276/2022-2023							
	Mobilization including transportation, loading and unloading charges, assembling and dismantling of all necessary plant, machinery and labor to site for conducting field boring and sampling stacking at the sides of road and demobilization after completing the work							
	Mobilization including transportation							
		1					1.000	
	Total							1.000
	Total Quantity in set							1.000
1.002	2.31							
	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared							
	Clearing jungles							
		1	10.000	8.000			80.000	
	Total							80.000
	Total Quantity in sqm							80.000
1.003	OD134277/2022-2023							
	Conveyance of Plant and machines from the stacking place of road side by using channels angle irons, GI pipes crow bars and place the unit near to the boring point.							
	Conveyance of Plant							
		3					3.000	
	Total							3.000
	Total Quantity in job							3.000
1.004	OD134278/2022-2023							
	Setting up boring equipment at each bore hole location including carrying all necessary plant, equipment and materials of boring and field test and collection of samples at each bore hole in bank portion.							
	Setting up boring equipment at each bore holes							
		3					3.000	

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
	Total						3.000
						Total Quantity in no	3.000
1.005	OD134279/2022-2023						
	Boring through soil : Conducting standard penetration tests and collection of samples up to a depth of 10m						
	Boring through soil						
	bore 1	1			10.000		10.000
	bore 2	1			10.000		10.000
	bore 3	1			10.000		10.000
	Total						30.000
						Total Quantity in metre	30.000
1.006	OD134280/2022-2023						
	Boring through weathered rock/ soft rock/hard laterite/dense sand/ gravel and collection of samples in bank portion						
	Boring through soft rock						
	Bore 2	1			2.650		2.650
	Bore 3	1			2.050		2.050
	Total						4.700
						Total Quantity in metre	4.700
1.007	OD134281/2022-2023						
	Boring through hard rock/ boulder/ dense gravel and collection of samples						
	Boring hard rock						
	Bore 1	1			1.000		1.000
	Bore 2	1			1.000		1.000
	Bore3	1			1.000		1.000
	Total						3.000
						Total Quantity in metre	3.000
1.008	OD134282/2022-2023						
	Compilation of field data with recommendation by Reputed agencies for a suitable foundation after conducting necessary lab test (Report in triplicate which consists of bearing capacity of soil etc.) - Additional set for machine boring (Extra for bore holes exceeding 5 nos), and submitting 2 copies of report consisting of each and every detail of location, borehole profiles and cross sections, description of soil strata,etc						
	Lab test & Recommendation						

EST No. :WRD/KWA-CE(CR)/EST/822/2022_3_1_1 (Edit Id : 1)
(Dsr year : 2018, Cost Index (Place : Idukki, Value : 141.53), GST : 18%

SI No	Specification	No	Length	Width	Depth	Cf	Quantity
		3					3.000
	Total						3.000
						Total Quantity in no	3.000

