

TS Register No: 2301/2022-2023

AS Register No:2401/2022-2023

Soil Sample and Survey for the project - Desiltation of Aruvikkara Dam Reservoir.

Detailed Estimate

(Dsr year: 2018, Cost Index Applied for this estimate is 35.59%)

SI No	Description	No	L	B	D	CF	Quantity	Remark	
1 soil investigation									
1	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								
	For clearing jungle	1	20000.000				20000.000		
	Total Quantity							20000.000 sqm	
	Total Deducted Quantity							0.000 sqm	
	Net Total Quantity							20000.000 sqm	
	Say 20000.000 sqm @ Rs 14.78 / sqm							Rs 295600.00	
2	od220597/2022_2023 Taking levels of reservoir area using bathymetric system to establish reduced levels before and after desiltation, preparing documents including hire charges of instrument, charges of skilled operators, engineering personnels, assistants, mazdoors and all other incidental charges etc 								
	For River Area	70					70.000		
	Total Quantity							70.000 Hecter	
	Total Deducted Quantity							0.000 Hecter	
	Net Total Quantity							70.000 Hecter	
	Say 70.000 Hecter @ Rs 5166.99 / Hecter							Rs 361689.30	
3	od220716/2022_2023 Taking levels of reservoir area to establish reduced levels before and after desiltation, preparing documents including hire charges of instrument, charges of skilled operators, engineering personnels, assistants, mazdoors and all other incidental charges etc								
	For land area	30					30.000		
	Total Quantity							30.000 Hecter	
	Total Deducted Quantity							0.000 Hecter	
	Net Total Quantity							30.000 Hecter	
	Say 30.000 Hecter @ Rs 3832.95 / Hecter							Rs 114988.50	
4	od220552/2022_2023 Mobilization including transportation of all necessary plan and equipment's and materials of boring field testing and sampling and demobilization after completing the work For machine boring 								

	For mobilization of two Plants	2					2.000	
	Total Quantity						2.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						2.000 set	
	Say 2.000 set @ Rs 18349.38 / set						Rs 36698.76	
5	od106477/2022_2023 Setting up boring at each bore hole locations including carrying all necessary plant, equipment and materials of boring and field tests and collection of samples at each bore hole location.							
	pocket 1	2					2.000	
	pocket 2	2					2.000	
	pocket 3	4					4.000	
	pocket 4	1					1.000	
	pocket 5	1					1.000	
	pocket 6	1					1.000	
	pocket 7	2					2.000	
	pocket 8	4					4.000	
	main river body	25					25.000	
	Total Quantity						42.000 Nos hole	
	Total Deducted Quantity						0.000 Nos hole	
	Net Total Quantity						42.000 Nos hole	
	Say 42.000 Nos hole @ Rs 3484.50 / Nos hole						Rs 146349.00	
6	od106483/2022_2023 Boring with rotary power drilling equipment in all types of soil having N value less than 50 excluding hard rock soft rock, or medium rock for strata upto 5m and recovery of disturbed soil samples at 1.5m intervals.							
	pocket 1	2*3	1.000				6.000	
	pocket 2	2*3	1.000				6.000	
	pocket 3	4*3	1.000				12.000	
	pocket 4	1*3	1.000				3.000	
	pocket 5	1*3	1.000				3.000	
	pocket 6	1*3	1.000				3.000	
	pocket 7	2*3	1.000				6.000	
	pocket 8	4*3	1.000				12.000	
	main river body	25*3	1.000				75.000	

	Total Quantity						126.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						126.000 metre	
	Say 126.000 metre @ Rs 1393.80 / metre						Rs 175618.80	
7	od106631/2022_2023 Recovering disturbed samples and preserving the same in air tight sample containers including waxing labelling packing storing including cost of containers as per IS Code.							
	pocket 1	2*3	1.000				6.000	
	pocket 2	2*3	1.000				6.000	
	pocket 3	4*3	1.000				12.000	
	pocket 4	1*3	1.000				3.000	
	pocket 5	1*3	1.000				3.000	
	pocket 6	1*3	1.000				3.000	
	pocket 7	2*3	1.000				6.000	
	pocket 8	4*3	1.000				12.000	
	main river body	25*3	1.000				75.000	
	Total Quantity						126.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						126.000 each	
	Say 126.000 each @ Rs 73.17 / each						Rs 9219.42	
8	od122465/2022_2023 Compilation of all field data and conducting all necessary lab tests at accredited lab on collected samples with Percentage of boulder, Gravel, Sand and Clay & residue in each bore hole with Documentation, maps and Preparation of Detailed Project Report submitting both hard and soft copies complete.							
	For land area as per bore hole	17					17.000	
	Main river area	25					25.000	
	Total Quantity						42.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						42.000 set	
	Say 42.000 set @ Rs 13938.00 / set						Rs 585396.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 GST @18%								
Lump-Sum Total							Rs 221688.26	
Provision for GST payments (in %) @							18.0%	

Amount reserved for GST payments	350504.65
Total	2297752.65
Lumpsum for round off	247.35
TOTAL Rs 2298000.00	
Rounded Total Rs 22,98,000	
Rupees Twenty Two Lakh Ninety Eight Thousand Only	

(Cost Index Applied for this estimate is 35.59%)



Other Engineering Organisations

PRICE