## COCHIN PORT AUTHORITY

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## Tender No: T10/T-1966/2022-C

Name of Work : CONDUCTING GEOTECHNICAL INVESTIGATION FOR THE PROPOSED SHED FOR GOI IN THE DEVELOPED LAND AT SOUTH END OF W/ISLAND IN COCHIN PORT

## SCHEDULE - "II"- SCHEDULE OF QUANTITIES OF WORK TO BE DONE ON CONTRACT

Name and	Addrocc	of the	Vandan

Sl. No.	Sub- heads and items of work	Unit	Approximate Quantity	Departmental Rate/ unit Price (Rs)	Departmental Rate in Words	Departmental Amount in Rs.	Departmental Amount in Words
1	Field Investigations – Taking bore hole data:						
	Locating / shifting the equipments and accessories from one location to another and fixing and setting up the equipment at the location including cost of materials, consumables, labour etc., complete on land	Each	3	25,000.00	Rupees Twenty Five Thousand Only	75,000.00	Rupees Seventy Five Thousand Only
	Boring with bailer/rotary drilling equipment using casing for initial depth, and then bentonite slurry to retain sides through sand, silt and clay, excluding rock, pebble, gravel or boulders which cannot be bored through by using the above equipment including supply of all materials, casing pipes, labour etc., all complete.					-	
a	From ground level to (-) 20m depth	Metre	66.00	3,000.00	Rupees Three Thousand Only	1,98,000.00	Rupees One Lakh Ninety Eight Thousand Only
b	From (-)20m to (-)40m depth	Metre	60.00	3,750.00	Rupees Three Thousand Seven Hundred Fifty Only	2,25,000.00	Rupees Two Lakh Twenty Five Thousand Only
С	From (-)40m to (-)60m depth	Metre	60.00	4,500.00	Rupees Four Thousand Five Hundred Only	2,70,000.00	Rupees Two Lakh Seventy Thousand Only
	Collect and preserve disturbed samples as per specifications, hand over them to the department / at place as pointed out by the Engineer-in-Charge in well sealed condition or transport to the laboratory	Each	30.00	125.00	Rupees One Hundred Twenty Five Only	3,750.00	Rupees Three Thousand Seven Hundred Fifty Only
	Recover and preserve undisturbed samples with appropriate type of piston sampler, preserve and transport the samples with tubes in a well sealed and packed condition as specified and as per instructions of the Engineer-incharge to the laboratory	Each	66.00	350.00	Rupees Three Hundred Fifty Only	23,100.00	Rupees Twenty Three Thousand One Hundred Only
	Carrying out the Standard Penetration tests in bore holes as specified and as per the instructions of the Engineer-in-Charge including supply of all tools, plants, labour etc. complete and submit the data with a report to the department.	Each	66.00	300.00	Rupees Three Hundred Only	19,800.00	Rupees Nineteen Thousand Eight Hundred Only

The Project of Control of Control Cont	1.6	Carrying out in-situ vane shear tests as per specifications and directions of the Engineer-in-charge including supply of all tools, plants, labour etc complete and submit the data with a report to the department.	Each	30.00	4,300.00	Rupees Four Thousand Three Hundred Only	1,29,000.00	Rupees One Lakh Twenty Nine Thousand Only
Land 15 and authorise credent in the liberalety fish 66.00 50000 Report Pre-limited Oily 23,00000 Report Times Through Oily 22,00000 Report Times Through Oily 22,00000 Report Times Through Oily 23,00000 Report Times Oily 23,00000 Report Times Through Oily 23,00000 Report Times Through Oily 23,00000 Report Times Through Oily 23,00000 Report Times Times Oily 23,00000 Report Times Oily 23,00000 Report Times Times Oily 23,00000 Report Times Oil			Each	3.00	650.00		1,950.00	Rupees One Thousand Nine Hundred Fifty Only
2.2 We and day density at the field infloration by 1,000 and 1,000	2						-	
2.3   Specific Gravity tests   56.00   50.000   Specific Filter and policy of the Control of t	2.1	Natural moisture content in the laboratory	Each	66.00	500.00	Rupees Five Hundred Only	33,000.00	Rupees Thirty Three Thousand Only
2.4 Particle size analysis by siever/bydrameter analysis 2.5 Uncontinuo compression tests on selected UIS in the laboratory 2.5 Uncontinuo compression tests on selected UIS in the laboratory 2.5 Uncontinuo compression tests on selected UIS in the laboratory 2.5 Uncontinuo compression tests on selected UIS in the laboratory 2.5 Uncontinuo compression tests on selected UIS in the laboratory 3.000 Mayor See Residue OID 4.5 Dipret short retak on sendy samples 4.5 Dipret short retak on sendy samples 4.5 Dipret short retak on sendy samples 5. Sad phale content in south 5. Sad phale content in south 6. Chief decreated in south 6. Sad hand analysis of all field data and laboratory test data and submission of expert giving ex-commendations (01 copies) as per specifications and directions of hyperce-in-chiege. 7. I Total allows in whate Supple Supples content in south 7. Sad phale content in south 7. Total allows in whate Supple Supples Sup	2.2	Wet and dry density at the field laboratory	Each	66.00	500.00	Rupees Five Hundred Only	33,000.00	Rupees Thirty Three Thousand Only
2.2 Concentrated compression tests on selected UE's in the laboratory test seed in Section 1 Sec	2.3	Specific Gravity tests	Each	66.00	500.00	Rupees Five Hundred Only	33,000.00	Rupees Thirty Three Thousand Only
2.6   Direct shear tests on sandy-samples   Each   9.00   75000   Rupes For Hundred Floy   6,750.00   Rupes For Hundred Floy   7,750.00   Rupes Floy	2.4	Particle size analysis by sieve/hydrometer analysis	Each	66.00	500.00	Rupees Five Hundred Only	33,000.00	Rupees Thirty Three Thousand Only
2.7. Chemical Analysis for:  a Sulphate content in water  b Sulphate content in water  c Chordic content in water  c Chordic content in water  c Chordic content in water  d Organic content in soil  f Each  1.00  1.25.00	2.5	Unconfined compression tests on selected UDS in the laboratory	Each	66.00	500.00	Rupees Five Hundred Only	33,000.00	Rupees Thirty Three Thousand Only
Solphate centered in water    Description of Work   Solphate centered in water   Solphate centered in w	2.6	Direct shear tests on sandy samples	Each	9.00	750.00		6,750.00	Rupees Six Thousand Seven Hundred Fifty Only
b Sulphate content in soil  c C Chorde content in water  c C Chorde content in water  d Organic content in water  c C Cloium Carbonate in soil  c C Cloium Carbonate in soil  d Organic content in soil  d C Calcium Carbonate in soil  d Each  d 3.00  d 22.00  d 25.00  d 25.00	2.7	Chemical Analysis for:						
C. Chloride content is water  C. Chloride content in soil  D. Calcium Carbonate in soil  Each  D. Super Server Instituted  D. Super Server Instituted Server Instituted  D. Super Server Instituted Server Instituted Server Instituted  D. Super Server Instituted Server Ins	а	Sulphate content in water	Each	3.00	425.00	Twenty Five Only	1,275.00	
Comparison of the process of the p	b	Sulphate content in soil	Each	3.00	425.00	Twenty Five Only	1,275.00	Five Only
a Calcium Carbonate in soil  Calcium Find Calcium Indired  Carbonate in soil  Calcium Find Calcium Indired  Carbonate in soil  Carbonate in soil  Calcium Find Calcium Indired  Carbonate in soil  C	С	Chloride content in water	Each	3.00	425.00		1,275.00	Rupees One Thousand Two Hundred Seventy Five Only
Total salinity in water Sample   Each   3.00   425.00   Rupers Free Only   Rupers Free Only   Rupers Free Only   Rupers Free Only   Rupers Four Hundred   1.275.00   Ruper Four Hundred   1.		•	Each	3.00	425.00		1,275.00	
Five Only	е	Calcium Carbonate in soil	Each	3.00	425.00		1,275.00	
2.8 Compilation and analysis of all field data and laboratory test data and submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  1.00  28,000.00  Rupees Twenty Fine Only  28,000.00  Rupees Twenty Eight Thousand Only  28,000.00  Rupees Twenty Eight Thousand Only  Two Hundred Seventy Five Only  28,000.00  Rupees Twenty Eight Thousand Only  Two Hundred Seventy Five Only  Thousand Only	f	Total salinity in water Sample	Each	3.00	425.00		1,275.00	Rupees One Thousand Two Hundred Seventy Five Only
submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of report giving re-commendations (10 copies) as per specifications and directions of Engineer-in-Charge.  In the submission of Rupes Twenty Eight Thousand Only  In the Hundred Seventy Five Only  In the Hundred Seventy Five Only  Rupes Twenty Eight Thousand Only  In the Hundred Seventy Five Only  In the Hundred Seventy Five Only  Rupes Twenty Eight Thousand Only  Rupes Twenty Eight Thousand Only  R		PH value	Each	3.00	425.00		1,275.00	Rupees One Thousand Two Hundred Seventy Five Only
BIDDER'S QUOTING AREA  SI. No. Description of Work  Departmental Estimated Cost (Rs)  Percentage Quoted above / below the Departmental Amount shown in the above Schedule  *In Figures  *In Figures  *In Words  *Note  1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column	2.8	submission of report giving re-commendations (10 copies) as per	LS	1.00	28,000.00		28,000.00	Rupees Twenty Eight Thousand Only
SI. No. Description of Work  Departmental Estimated Cost (Rs)  Percentage Quoted above/below the Departmental Amount by the Bidder  * In Figures  * In Words  * Note  1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column		TOTAL					11,54,275.00	Rupees Eleven Lakh Fifty Four Thousand Two Hundred Seventy Five Only
Sl. No. Description of Work    Description of Work   Departmental Estimated Cost (Rs)   Percenatge Quoted above / below the Departmental Amount shown in the above   11,54,275   Schedule   11,54,275   Sche		BIDDER'S QUOTING AREA						
Percenatge Quoted above / below the Departmental Amount shown in the above Schedule 11,54,275  * Note 1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column	Sl. No.	Description of Work		below the Departmental		Above/Below		
* Note  1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column				* In Figures	*In Words			
1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column			11,54,275					
1. The Bidder shall quote both in figures and words  2. The Bidders shall also quote Above / Below in words themselves in the last column		* Note						
		2. The Bidders shall also quote Above / Below in words themselves in the last colu	mn					
3. Only two decimal digits will be accepted.		3. Only two decimal digits will be accepted.						