SUMMARY OF GEOTECHNICAL EXPLORATIONS

Project No. :2122222 | Project : GIPCL

Bore Hole No. :4 | Bore Hole Started on :24-01-22 | Completed on : 25-01-22 | Depth of Water Table : Below Termination Level

Method of Drilling :ROTARY DRILLING | Diameter of Bore Hole : 150 mm | R. L. of Ground Level :54.81 mt | Location of Bore Hole :N-2370585.72, E-304656.24 (VASTAN)

RL in metres	I. S. Classi-fication	Visual Soil Description	Field Test /Samples SPT VST	Field Test /Samples UDS DS	Ns No. of Blows per 300 mm	Rock Properties C.R. %	Rock Properties RQD %	Natural Moist. Content %	Density (in gms/cc) Bulk	Density (in gms/cc) Dry	Spe-cific Gra-vity	Particle Size Analysis Gr. %	Particle Size Analysis Sn %	Particle Size Analysis Silt+ Clay	Atterberg Limits LL %	Atterberg Limits PL %	Atterberg Limits PI %	Shri-nkge Lim. %	Free swell Indx %	Shear Properties Test Type	Shear Properties C (Kg/cm²)	Shear Properties Ø in Deg.	Additional Tests or Remarks
54.81	CH	YELLOWSTIFF HIGH PLASTIC CLAY WITH SAND(FILLING)		DS								1	28	71	70	33	37		50				
53.81			SPT	DS	13			26.45				3	33	64	56	28	28		38				
52.81				UDS				23.10	1.79	1.46	2.84	0	23	77	69	33	36		56	UCC			
51.81	CH	BLACK STIFF HIGH PLASTIC CLAY WITH SAND	SPT	DS	12			24.30				0	22	78	63	31	32						
50.81				UDS				24.51	1.84	1.48	2.93	0	23	77	59	30	29			Tuu	0.73	11.3°	
49.81			SPT	DS	15			25.25				0	21	79	63	30	33						
48.81	CH	REDDISH STIFF HIGH PLASTIC CLAY WITH SAND		UDS				26.82	1.89	1.49	2.84	0	30	70	72	33	39			UCC			
47.31			SPT	DS	10			24.57				0	26	74	82	36	46						
45.81				UDS				28.87	1.84	1.43	2.87	0	16	84	86	37	49			UCC			
44.31			SPT	DS	14			29.78				0	20	80	85	35	50						
42.81	CH	BLACK STIFF HIGH PLASTIC CLAY	SPT	DS	17			27.62				0	45	55	68	31	37						
41.31				UDS				26.74	1.91	1.50	2.88	0	17	83	77	34	43			UCC			
39.81			SPT	DS	20			27.15				0	18	82	65	31	34						
39.31		TERMINATION																					

SPT - Standard Penetration Test | DS - Disturbed Sample | Gr - Gravel | LL - Liquid Limit | PI - Plasticity Index | Cv - Coeff. of Consolidation | C.R. - Core Recovery
UDS - Undisturbed Sample | VST - Vane Shear Test | Sn - Sand | PL - Plastic Limit | C, Ø - Shear Parameters | Mv - Coeff. of Volume Change | RQD - Rock Quality Designation

UNIQUE ENGINEERING TESTING AND ADVISORY SERVICES

216,Road No. 6-F,New Estate, Udhna,Surat-394210, Gujarat, India

SUMMARY OF GEOTECHNICAL EXPLORATIONS

Project No. :2122222 | Project : GIPCL

Bore Hole No. : 5 | Bore Hole Started on :26-01-22 Completed on : 27-01-22 | Depth of Water Table : Below Termination Level

Method of Drilling :ROTARY DRILLING | Diameter of Bore Hole : 150 mm R. L. of Ground Level :49.85 mt | Location of Bore Hole :N-2371087.04, E-304576.03 (VASTAN)

RL in metres	I. S. Classi-fication	Visual Soil Description	Field Test /Samples SPT VST	Field Test /Samples UDS DS	Ns No. of Blows per 300 mm	Rock Properties C.R. %	Rock Properties RQD %	Natural Moist. Content %	Density (in gms/cc) Bulk	Density (in gms/cc) Dry	Spe-cific Gra-vity	Particle Size Analysis Gr. %	Particle Size Analysis Sn %	Particle Size Analysis Silt+ Clay	Atterberg Limits LL %	Atterberg Limits PL %	Atterberg Limits PI %	Shri-nkge Lim. %	Free swell Indx %	Shear Properties Test Type	Shear Properties C (Kg/cm²)	Shear Properties Ø in Deg.	Additional Tests or Remarks
49.85	CH	YELLOW FIRM HIGH PLASTIC CLAY WITH SAND (FILLING)		DS								0	28	72	51	26	25		25				
48.85			SPT	DS	07			24.62				0	16	84	59	30	29		21				
47.85	CH	REDDISH STIFF HIGH PLASTIC CLAY		UDS				23.90	1.79	1.44	2.91	0	12	88	59	29	30		33	UCC			
46.85			SPT	DS	11			23.93				0	17	83	59	28	31		42				
45.85				UDS				24.12	1.85	1.49	3.00	1	16	83	52	26	26			Tuu	0.76	6.5°	
44.85	CH	BLACK VERY STIFF HIGH PLASTIC CLAY WITH SAND	SPT	DS	20			25.68				1	17	82	60	28	32						
43.85				UDS				25.89	1.90	1.51	2.93	4	16	80	59	30	29			UCC			
42.35			SPT	DS	23			25.29				0	21	79	65	31	34						
40.85				UDS				25.65	1.92	1.53	3.01	3	14	83	56	29	27			UCC			
39.35			SPT	DS	21			25.19				0	16	84	55	27	28						
37.85	CH	YELLOWISH STIFF HIGH PLATIC CLAY		UDS				26.16	1.95	1.54	2.94	0	14	86	70	32	38			UCC			
36.35			SPT	DS	26			26.78				0	17	83	67	32	35						
34.85			SPT	DS	27			26.84				0	11	89	81	34	47						
34.35		TERMINATION																					

SPT - Standard Penetration Test | DS - Disturbed Sample | Gr - Gravel | LL - Liquid Limit | PI - Plasticity Index | Cv - Coeff. of Consolidation | C.R. - Core Recovery
UDS - Undisturbed Sample | VST - Vane Shear Test | Sn - Sand | PL - Plastic Limit | C, Ø - Shear Parameters | Mv - Coeff. of Volume Change | RQD - Rock Quality Designation

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SUMMARY OF GEOTECHNICAL EXPLORATIONS

Project No. :2122222 | Project : GIPCL

Bore Hole No. :6 | Bore Hole Started on :27-01-22 Completed on : 28-01-22 | Depth of Water Table : Below Termination Level

Method of Drilling :ROTARY DRILLING | Diameter of Bore Hole : 150 mm R. L. of Ground Level :57.19 mt | Location of Bore Hole :N-2370761.65, E-304308.73 (VASTAN)

RL in metres	I. S. Classi-fication	Visual Soil Description	Field Test /Samples SPT VST	Field Test /Samples UDS DS	Ns No. of Blows per 300 mm	Rock Properties C.R. %	Rock Properties RQD %	Natural Moist. Content %	Density (in gms/cc) Bulk	Density (in gms/cc) Dry	Spe-cific Gra-vity	Particle Size Analysis Gr. %	Particle Size Analysis Sn %	Particle Size Analysis Silt+ Clay	Atterberg Limits LL %	Atterberg Limits PL %	Atterberg Limits PI %	Shri-nkge Lim. %	Free swell Indx %	Shear Properties Test Type	Shear Properties C (Kg/cm²)	Shear Properties Ø in Deg.	Additional Tests or Remarks
57.19	CH	FILLING		DS								3	19	78	55	28	27		50				
56.19	CH	YELLOW FIRM HIGH PLASTIC CLAY WITH SAND		UDS				24.80	1.83	1.47	2.93	0	16	84	60	31	29		82	UCC			
55.19	CH		SPT	DS	07			24.54				0	15	85	69	33	36		100				
54.19	CH	BLACK STIFF HIGH PLASTIC CLAY WITH SAND		UDS				25.33	1.86	1.49	2.84	0	22	78	67	32	35		67	Tuu	0.58	12.9°	
53.19	CH		SPT	DS	11			24.67				1	18	81	62	31	31						
52.19	CH	REDDISH YELLOW STIFF TO VERY STIFF HIGH PLASTIC CLAY WITH SAND		UDS				25.09	1.88	1.50	2.91	5	15	80	56	28	28			UCC			
51.19	CH		SPT	DS	14			25.17				2	12	86	61	31	30						
49.69	CH			UDS				24.81	1.91	1.53	3.04	10	20	70	60	29	31			UCC			
48.19	CH		SPT	DS	15			25.67				0	19	81	60	30	30						
46.69	CH			UDS				25.40	1.93	1.54	3.00	4	18	78	61	30	31			UCC			
45.19	CH		SPT	DS	19			25.71				0	12	88	58	28	30						
43.69	CH			UDS				26.02	1.96	1.55	3.02	10	22	68	59	29	30			UCC			
42.19	CH		SPT	DS	23			26.95				0	22	78	56	28	28						
41.69		TERMINATION																					

SPT - Standard Penetration Test | DS - Disturbed Sample | Gr - Gravel | LL - Liquid Limit | PI - Plasticity Index | Cv - Coeff. of Consolidation | C.R. - Core Recovery
UDS - Undisturbed Sample | VST - Vane Shear Test | Sn - Sand | PL - Plastic Limit | C, Ø - Shear Parameters | Mv - Coeff. of Volume Change | RQD - Rock Quality Designation

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