

Borehole data is for reference only



PROJECT : Geotechnical Investigation for Development of Container Terminal at Tuna Tekra, Kandla, Gujarat																											
CLIENT : Hindustan Gateway Container Terminal Kandla Pvt. Ltd.																											
BORE HOLE NO. : MBH-21															CORE DIAMETER : mm												
LOCATION : Tuna										RIG TYPE : Hydraulic Rotary										BORE HOLE DIAMETER : 150 mm							
CO-ORDINATES : N 2531834.00 E 615185.00										TYPE OF BORING : Rotary borehole drilling, sampling and testing										DATE OF COMMENCEMENT : 04-12-2023							
SEABED LEVEL : -9.620 m CD										DRILLING FLUID : Water										DATE OF COMPLETION : 04-12-2023							
DEPTH BELOW SBL (m)	TEST DEPTH (m)	SAMPLE TYPE	STANDARD PENETRATION TEST					PROFILE	DESCRIPTION	IS SYMBOL	ROCK DRILLING					LABORATORY TEST RESULTS											
			(N ₁)	(N ₂)	(N ₃)	"N" (blows/cm)	"N _{ex} "				CR [%]	SCR [%]	RQD [%]	FF	WG	CLAY+ SILT [%]	CLAY [%]	SILT [%]	SAND [%]	GRAVEL [%]	LL [%]	PL [%]	PI [%]	TUU		UCS [MPa]	
0	0.00 - 0.45	SPT-1	0	0	0	0			0.00 m to 15.00 m - Very soft to soft dark grey fat CLAY	CH						94	50	44	6	0	54	20	34				
1																											
2	1.50 - 1.95	SPT-2	0	0	0	0																					
3	3.00 - 3.50	UDS-1								CH								96	53	43	4	0	63	24	39	20	1
4																											
5	4.50 - 4.95	SPT-3	0	0	1	1																					
6	6.00 - 6.50	UDS-2								CH								98	55	43	2	0	63	25	38		0.019
7																											
8	7.50 - 7.95	SPT-4	1	0	1	1																					
9	9.00 - 9.45	SPT-5	1	1	1	2																					
10																											

SPT - Standard Penetration Test	UDS - Undisturbed Sample	DS - Disturbed Sample	n.i. - non-intact core (Fracture index >10)	FF - Fracture Frequency	TUU - Triaxial Test (UU)
CR - Core Recovery	RQD - Rock Quality Designation	WG - Weathering Grade	IV - In-situ Vane Shear Test	SCR - Solid Core Recovery	UCS - Uniaxial Compressive strength
WS - Wash Sample	CD - Chart Datum	SBL - Existing Ground Level	LL - Liquid Limit	PL - Plastic Limit	PI - Plasticity Index

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CO-ORDINATES : N 2531834.00 E 615185.00					TYPE OF BORING : Rotary borehole drilling, sampling and testing					DATE OF COMMENCEMENT : 04-12-2023																																	
SEABED LEVEL : -9.620 m CD					DRILLING FLUID : Water					DATE OF COMPLETION : 04-12-2023																																	
DEPTH BELOW SBL (m)	TEST DEPTH (m)	SAMPLE TYPE	STANDARD PENETRATION TEST					PROFILE	DESCRIPTION	IS SYMBOL	ROCK DRILLING					LABORATORY TEST RESULTS																											
			(N ₁)	(N ₂)	(N ₃)	"N" (blows/cm)	"N _{ex} "				CR [%]	SCR [%]	RQD [%]	FF	WG	CLAY+ SILT [%]	CLAY [%]	SILT [%]	SAND [%]	GRAVEL [%]	LL [%]	PL [%]	PI [%]	TUU		UCS [MPa]																	
10	10.50 - 10.95	SPT-6	1	1	2	3			0.00 m to 15.00 m - Very soft to soft dark grey fat CLAY	CH						94	52	42	6	0	55	20	35																				
11																																											
12	12.00 - 12.45	SPT-7	0	1	1	2																																					
13																																											
14	13.50 - 13.95	SPT-8	1	2	2	4				CH						96	55	41	4	0	57	22	35																				
15																																											
16	15.00 - 15.45	SPT-9	11	14	17	31																				15.00 m to 15.45 m - Dense yellowish brown clayey fine to medium SAND	SC							32	17	15	65	3	31	20	11		
17																																											
18																																											
19																																											
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CLIENT : Hindustan Gateway Container Terminal Kandla Pvt. Ltd.																												
BORE HOLE NO. : MBH-22															CORE DIAMETER : mm													
LOCATION : Tuna										RIG TYPE : Hydraulic Rotary										BORE HOLE DIAMETER : 150 mm								
CO-ORDINATES : N 2530914.00 E 615290.00										TYPE OF BORING : Rotary borehole drilling, sampling and testing										DATE OF COMMENCEMENT : 03-12-2023								
SEABED LEVEL : -9.680 m CD										DRILLING FLUID : Water										DATE OF COMPLETION : 03-12-2023								
DEPTH BELOW SBL (m)	TEST DEPTH (m)	SAMPLE TYPE	STANDARD PENETRATION TEST					PROFILE	DESCRIPTION	IS SYMBOL	ROCK DRILLING					LABORATORY TEST RESULTS												
			(N ₁)	(N ₂)	(N ₃)	"N" (blows/cm)	"N _{ex} "				CR [%]	SCR [%]	RQD [%]	FF	WG	CLAY+ SILT [%]	CLAY [%]	SILT [%]	SAND [%]	GRAVEL [%]	LL [%]	PL [%]	PI [%]	TUU		UCS [MPa]		
0	0.00 - 0.45	SPT-1	0	0	0	0			0.00 m to 10.50 m - Very soft to soft dark grey silty lean CLAY	CI						94	48	46	6	0	50	21	29					
1																												
2	1.50 - 1.95	SPT-2	0	0	0	0				CH								94	52	42	6	0	59	24	35	20	1	
3	3.00 - 3.50	UDS-1																										
4										CH																		
5	4.50 - 4.95	SPT-3	0	1	0	1																						
6	6.00 - 6.50	UDS-2																	96	47	49	4	0	55	24	31		0.018
7																												
8	7.50 - 7.95	SPT-4	0	0	1	1																						
9	9.00 - 9.45	SPT-5	0	1	1	2																						
10																												

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[illegible]

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