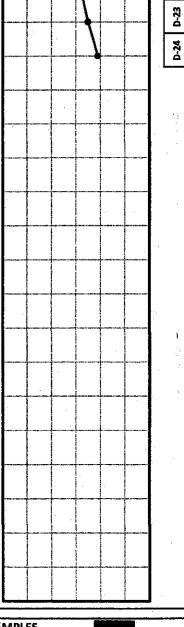
-	to of S	tart. C	201733014, Opaziia: Ki 07/12/2022												
ı ——			etion: 07/12/2022	Type of Drilling: Manual Drive (Hand Wash) TBM-1, RL: 3.468m (SoB) & TBM-2, RL: 3.358m (SoB)											
[ather	_		BH-F	<u> </u>			., (55	GWL: 0.229m						
Me	asure	ment	ASTM D-2487 & D-2488	Dept				36.0	Om BH No 01 (Page 1 of 2)						
Depth in feet	Depth in meter	Thickness(m)/L.C	Description of Soli Strata	Graphical Representation of SP N-Value 0 10 20 30 40 50 60											
5	1.5				0	1	1	2	3						
10	3.0	4.5	Black very soft CLAY with few sand		0	0	1	1	2 2						
15	4,5				0	1	1	2	a a						
20	6.0				0	1	2	3	1						
25	7.5	4.5	Black soft CLAY with few sand		0	1	3	4	<u> </u>						
30	9.0				0	2	2	4	1 4 3						
35	10.5				1	2	3	5	<u>a</u>						
40	12.0				1	2	3	5							
45	13.5		Black medium stiff SILT, some clay with		2	3	3	6							
50		10.5	trace fine sand		2	3	4	7	05.0						
55					.2	2	4	6	<u> </u>						
<u> </u>	18.0				1	2	2	4	- A						
\vdash	19.5		Black stiff SILT, some clay with trace fine		2	3	4	7							
	21.0		sand Black medium stiff SILT, some clay with		4	5	7	12	. 7						
75	 		trace fine sand Black stiff SILT, some clay with trace fine		2	3	4	7	1						
	24.0	1.5	sand		3	5	8	13							
	25.5	3.	Grey medium dense fine SAND, some silt with trace mica		4	6	10	16	Soil & ITA						
	27.0		THE GOLD HING		5	7	10	17	870						
	28.5	3	Grey dense fine SAND , some silt with trace mica	-	10	14	16	30	<u> </u>						
	30.0				10	15	22	37	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
SAN	ND SAMPLES CLAY SAMPLES UNDISTURBED SAMPLES														

Scheme: Proposed 90.0m New Construction of Bridge on Rampal UP-Pabantala Hat at Ch: 186m, Road ID: 201733014, Upazila: Rampal, District: Bagerhat.

1									· · · · · · · · · · · · · · · · · · ·				
Date	e of St	art: O	7/12/2022	Type	of D	rillin	g: M	lanua	ual Drive (Hand Wash)				
Date	of Co	mple	tion: 07/12/2022	TBM-1, RL: 3.468m (SoB) & TBM-2, RL: 3.358m (SoB									
Wea	Weather: Sunny			BH-RL: 2.169m GWL: 0.229m									
Mea	suren	nent	ASTM D-2487 & D-2488	Dept	h of	Bori	ng:	36.0	.0m BH No 01 (Page 2 of 2)				
Depth in feet	Depth in meter	Thickness in (m)	Description of Soil Strata	Graphics	15.00 mm	15.00 mm	15.00 mm	Total N- Values					
105	31.5				9	14	21	35					
110	33.0		Dark grey dense fine SAND , some silt with trace mica		11	15	17	32	2 4				
115	34.5	i i			12	17	18	35	5				
120	36.0				15	20	19.	39					

End of Boring





Sample Number

D-21

D-22

SAND SAMPLES

CLAY SAMPLES

UNDISTURBED SAMPLES

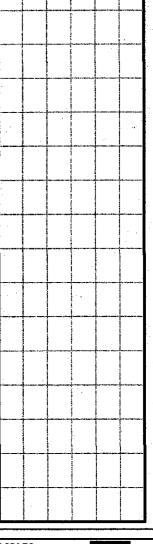
Da	te of S	tart: (08/12/2022	Type of Drilling: Manual Drive (Hand Wash)											
Da	te of C	ompi	etion: 08/12/2022	1								: 3.35		oB)	
W	ather	: Sunn	y	BH-R	tL: 1	.668	m			GΝ	L: 0.7	30m	-		
Me	asure	ment	ASTM D-2487 & D-2488	Dept	h of	Bor	ing:	36.)m	ВН	No ()2 (Pa	ge 1 c	f 2)	
Depth in feet	Depth in meter	Thickness in (m)	Description of Soil Strata	Graphics	15.00 mm	15,00 mm	15.00 mm	Total N-Values	Gra	iphica		esent Value 30 4	ation		Sample Number
5	1.5	3	Black very soft CLAY with few sand		1	0	1	1							140
10	3.0		State very sort care with rew sarta		1	1	1	2			_				D-2
15	4.5	1.5	Black soft CLAY with few sand		1	1	2	3		-				-	D-3
20	6.0	1.5	Black very soft CLAY with few sand		1	1	1	2							4
25	7.5				1	1	2	3						1	. D.S.
30	9.0	4.5	Black soft CLAY with few sand		1	2	2	4			-	-		i	D-6
35	10.5				3	1	2	3		-					D-7
40	12.0	1.5	Black very soft CLAY with few sand		1	1	1	2	K	_	-				2
45	13.5	3.	Black soft CLAY with few sand		2	2	2	4	- -		-		-		6-0
50	15.0				1	1	2	3	ŀ						D-10
55	16.5	1.5	Black very soft CLAY with few sand		1	1	1	2		-	-				D-11
60	18.0	1.5	Black soft CLAY with few sand		1	1	2	3							D-12
65	19.5	1.5	Black very soft CLAY with few sand		1	1	1	2	K	_					D-13
70	21.0	1.5	Black soft CLAY with few sand		2	2	2	4	4		-				D-14
75	22.5		Plack modium wiff feet T		2	2	3	5	H	<u> </u>					D-15
80	24.0	4.5	Black medium stiff SILT, some clay with trace fine sand		3	3	4	7		1	50	3118	100		D-16
85	25.5				2	3	5	8	_						D-17
90	27.0	3	Grey medium dense fine SAND, some silt		5	7	10	17				1/1			D-18
<u> </u>	28.5		With trace mica	_	5	10	19	29		-					D-19
100	30.0	1.5	Grey dense fine SAND , some silt with trace mica		10	19	15	34	L			7			D-20
SAN	D SAN	IPLES	CLAY SAMPLES	III	UI	VDIS	TURI	BED S	AM	PLES .				:	

Scheme: Proposed 90.0m New Construction of Bridge on Rampal UP-Pabantala Hat at Ch: 186m, Road ID: 201733014, Upazila: Rampal, District: Bagerhat.

Date	ate of Start: 08/12/2022					Type of Drilling: Manual Drive (Hand Wash)										
Date	of Co	mple	tion: 08/12/2022	ТВМ	-1, R	L: 3.4	168m	Sob & TBM-2, RL: 3.358m (Sob)								
Wea	ther:	Sunny	/	BH-R	3H-RL: 1.668m GWL: 0.730m											
Mea	Measurement ASTM D-2487 & D-2488				h of	Bori	ng:	36.0	m BH N	lo 02 (Page 2	of 2)					
Depth in feet	Depth in meter	Thickness in (m)	Description of Soil Strata	Graphics	15°p0 mm	15.00 mm	15.00 mm			N-Value						
105	31.5				7	15	25	40								
110	110 33.0 6 115 34.5 120 36.0	Dark grey dense fine SAND , some silt with		11	20	18	38									
115		0	trace mica		15	20	22	42								
120				13	23	25	48			DECIDENTAL BANK						

End of Boring





Sample Number

Representation of SPT

UNDISTURBED SAMPLES SAND SAMPLES CLAY SAMPLES

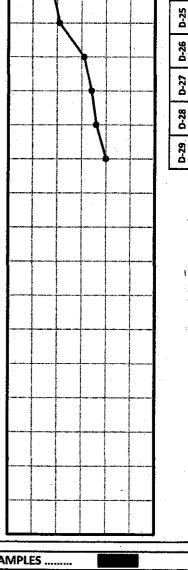
I			201/33014, Upaziia: Ki										····			
∦ 			9/12/2022 tion: 09/12/2022	Type of Drilling: Manual Drive (Hand Wash) TBM-1, RL: 3.468m (SoB) & TBM-2, RL: 3.358m (SoB)												
11	ther:			BH-R		-		1 (50	o) ex							
	suren	-	ASTM D-2487 & D-2488	BH-RL: -4.677m												
Depth in feet	Depth in meter	Thickness in (m)	Description of Soil Strata							<u> </u>	ohical Representation of SPT N-Value 10 20 30 40 50 60					
5	1.5				1	0	1	1							17	
10	3.0				1	0	1	1				-			D-2	
15	4.5	9	Black very soft CLAY with few sand		1	1	1	2		_					D-3	
20	6.0	<i>-</i>	Sider very Soft CLAT With few Salia		1	0	1	1							4	
25	7.5				1	1	1	2							D-5	
30	9.0				1	1	1	2							9	
35	10.5	1.5	Black soft CLAY with few sand		1,	1	2	3	}						7-	
40	12.0	3	Black very soft CLAY with few sand		1	1	1	2	H						2	
45	13.5				1	1	1	2	H						6.0	
l	15.0				2	2	2	4	-						L D-10	
55	16.5	4.5	Black soft CLAY with few sand		2	2	2	4							2 D-11	
60	18.0		**************************************		1	2	1	3	1						3 D-12	
65	19.5				2	4	1	5				valente de valler a ett det er dy y		-	D-13	
70 75	21.0				2	2	4 3	7)					D-15 D-14	
80	24.0	9	Black medium stiff SILT, some clay with trace fine sand		2	2	4	5 6						-	D-16 D-1	
85	25.5				2	2	# m	5 5		1		4			D-17 D-	
90	27.0				2	4	3	7			党		(2)		D-18 D-	
95	-		Grov modium dans fine SAND		4	5	5	10		1		*			D-19	
100	30.0	3	Grey medium dense fine SAND , some silt with trace mica		5	7	7	14		1				-	D-20	
SAN	D SAN	1PLES	CLAY SAMPLES		U	NDIS	TUR	BED	SAM	PLES .						

Scheme: Proposed 90.0m New Construction of Bridge on Rampal UP-Pabantala Hat at Ch: 186m, Road ID: 201733014, Upazila: Rampal, District: Bagerhat.

Dat	e of St	art: 0	9/12/2022	Type of Drilling: Manual Drive (Hand Wash)											
Dat	e of Co	mple	tion: 09/12/2022	TBM-1, RL: 3.468m (SoB) & TBM-2, RL: 3.358m (SoB)											B)
We	ther:	Sunn	y	BH-RL: -4.677m GWL: -7.075m (UP)											
Mea	Measurement ASTM D-2487 & D-2488					Bori	ng:	42.0	lm	вн	No	03 (1	Page	2 of	2)
Depth in feet	Depth in meter	Thickness In (m)	Description of Soil Strata	Graphics	15,00 mm	15.00 mm	15,00 mm	Total N- Values	Gran	ohica 10	l Rep N 20	rese -Valu		on o	f SP
	31.5				5	7	10	17			\ _				
110	33.0				6	7	7	14			$(oxed{-}$		-		
115	34.5	7.5	Dark grey medium dense fine SAND, some silt with trace mica		5	7	10	17			\ _				
120	36.0				8	7	11	18	-	_	\ -	-		<u>. </u>	
125	37.5				9	10	11	21	 ,,		+				
130	39.0				10	15	16	31		-		1			_
135	40.5	6	Dark grey dense fine SAND , some silt with trace mica		11	16	18	34			-	\downarrow			
140	42.0				15	18	18	36		-			\ _	-	
145	43.5				15	20	20	40					1		_

End of Boring





Sample Number

D-21

D-22

D-23

D-24

D-25

D-26

0-27

D-28

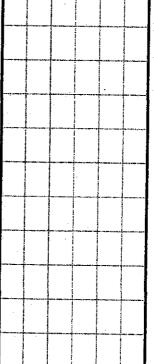
50 60

SAND SAMPLES	CLAY SAMPLES	7777	UNDISTURBED SAMP

Date of Completion: 10/12/2022 Type of Deliling: Manual Drive (Hand Wash) TBM-1, Rt.: 3.468m (SoB) & TBM-2, Rt.: 3.258m (SoB) TBM-2, Rt.: 3.258m (So	 -	Date of Start: 10/12/2022															
TBM-1, Rt. 3.468m (SoB) & TBM-2, Rt. 3.358m (SoB) TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) & TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) & TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-1, Rt. 3.458m (SoB) & TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-2, Rt. 3.358m (SoB) TBM-2, Rt. 3.358m (SoB) TBM-1, Rt. 3.458m (SoB) TBM-2, Rt. 3.358m (SoB) TBM-2, Rt. 3.358						Тур	e of	Drill	ing:	Mar	านส	al Drive	(Hand	Wash)		
Masurement ASTM D-2487 & D-2488 Depth of Boring: 42.0m BH No 04 [Fage 2 of 2)	本			_		TBN	1-1, 1	₹£: 3	3.46	8m (:	Sol	B) & TBI	VI-2, RI	L: 3.35	8m (S	oB)	
Section of Sort Inc. Section of Sort Secti	劉				·	BH-I	₹L: -:	7.49	5m			G					
5		leasu			ASTM D-2487 & D-2488	Depth of Boring: 42:0m							l No	04 (Pa	ige 2 o	f 2)	
5 1.5	Ponth in East		nepul meter	Thickness in (m	Description of Soil Strata	Graphics	15.00 mm	15.00 mm	15.00 mm	Total M. Vedinor	Campa A long		N-	Value	,		Sample Number
15 4.5 9 Black very soft CLAY with few sand 1 1 1 2 2 2 3 3 3 3 3 3 3	5	1.	5				1	0	1	. 1							<u> </u>
15 4.5 9	10	3.	0	l			1	0	1	1							D-2
20 6.0	15	4.		,	Black very soft CLAV with for and		1	1	1	2	1						
1	20	6.0	0		- solves, y solve and with lew sand		0	0	1	1	1						
1 1 1 2 3 4 4 4 6 9 15 15 8 4 6 9 15 15 8 4 6 9 15 15 15 15 15 15 15	25	7.	5				1	1	1	2	1						
A	30	9.0	<u>' </u>	_			1	1	1	2							9
1	35	10.	5 1.	5	Black soft CLAY with few sand		1	1	2	3	1						2-0
1 1 1 2 3 5 5 15.0 5 15.0 5 16.5 4.5 Black medium stiff SILT, some clay with trace fine sand 1 2 2 2 4 6 7 7 7 7 7 7 7 7 7	<u> </u>	 	- 3		Black very soft CLAY with few sand		1	1	1	2							
Black medium stiff SILT, some clay with trace fine sand 1 2 2 4 6 6 18.0			+-	1			1	1	1	2			_				6-0
1 2 2 4	<u> </u>	-	-	ì	Black medium stiff SILT, some clay with		2	2	3	5							D-10
1 1 1 2 2 4 6 6 6 6 6 6 6 6 6			-	<u> </u>		_	1	2	2	4		-				_ [D-11
2 2 5 7 2 2 4 6 2 2 5 7 2 2 4 6 2 2 5 7 3 3 6 3 5 25.5 3 6 27.0 2 3 4 7 2 3 5 8 3 5 28.5 3 Grey medium dense fine SAND, some silt with trace mica 4 6 9 15			-	+	Black very soft CLAY with few sand	_	1	1	1	2		K -					D-12
2 2 5 7			1				1	2	4	6					-		D-13
Black medium stiff SILT, some clay with trace fine sand 2 2 4 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 15 9 9 9 9 9 9 9 9 9	-						2 .	2	5	7							D-14
2 3 3 6 24.0 27.0 27.0 2 3 5 8 25.5 3 Grey medium dense fine SAND, some silt with trace mica 4 6 9 15			9	1			2 ;	2	4 ,	6		1	1.50		10		D-15
2 3 4 7 2 3 5 8 3 5 28.5 3 Grey medium dense fine SAND, some silt with trace mica 4 6 9 15	-				•	2	3	3	3	6					[新] [新]		0-16
2 3 5 8 28.5 3 Grey medium dense fine SAND, some silt with trace mica 4 6 9 15	\dashv		-			2	- 1	1	4	7				*			41-0
3 Grey medium dense fine SAND, some silt with trace mica 4 6 9 15						2	3		5	8		-					
4 6 9 15 RAND SAMPLES	-		3	Gı	rey medium dense fine SAND, some silt with trace mica	3	5		6	11		+					ET
UNDISTURBED SAMPLES UNDISTURBED SAMPLES			DITC		National Management (1997)		6	9	9	15	L						D-20
	AITU	VD SAMPLES UNDISTURBED SAMPLES															

Client: Upazila Engineer, LGED, Rampal, Bagerhat. Scheme: Proposed 90.0m New Construction of Bridge on Rampal UP-Pabantala Hat at Ch. 186m, Road ID: 201733014, Upazila: Rampal, District: Bagerhat. Date of Start: 10/12/2022 Type of Drilling: Manual Drive (Hand Wash) Date of Completion: 10/12/2022 TBM-1, RL: 3.468m (SoB) & TBM-2, RL: 3.358m (SoB) Weather: Sunny BH-RL: -7.495m GWL: -9.893m (UP) Measurement ASTM D-2487 & D-2488 Depth of Boring: 42.0m BH No.- 04 (Page 2 of 2) Sample Number Depth in meter **Graphical Representation of SPT** Depth in feet N-Value **Description of Soil Strata** 15.00 mm 15.00 mm 15.00 mm 20 30 40 50 105 31.5 D-21 7 9 16 110 33.0 D-22 5 12 21 Dark grey medium dense fine SAND, some D-23 115 34.5 7.5 5 11 19 silt with trace mica 0-24 120 36.0 8 9 12 21 D-25 125 37.5 10 12 13 25 130 39.0 D-26 12 18 22 40 Dark grey dense fine **SAND**, some silt with 4.5 135 40.5 D-27 12 19 21 40 trace mica 140 42.0 19 21 40 **End of Boring**





SAND SAMPLES	CLAY SAMPLES	UNDISTURBED SAMPLES	_