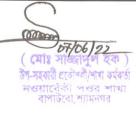
BANGLADESH WATER DEVELOPMENT BOARD GROUNDWATER HYDROLOGY DIVISION-2

72 GREEN ROAD, DHAKA-1205.

			JIL LOG			
Project:Rehabilitation of polder r satkhira o&m division	no 15 at satkhira	district under	SITE: Chandnim	ukha	u,	
			P.S: Shyamnaga	ar	DIST: Satkhira	
LOCATION: Chandnimukha khal			HOLE NO: H1-H	5	GROUND LEVE	L:
CLIENT: XEN,O&M DIVISION-1, S	atkhira		WATER LEVEL:		AT 7:00	HRS
DATE STARTED: 03-06-2022	DATE COMPLET	ED: 07-06-22	OF DATE-			Tino
DRILLED BY: GWHD-2	UNIT: Rig-21		TOTAL DEPTH:	72 ft		
		SOIL SA	MPLING			
A) UNDISTURB						
SAMPLE NOS:	DIME	NSIONS:		NO TAKEN:	:	
TYPE:	DRILLI	ER: Md. Abu Jal	ner	GEOLOGIST	T: Md.Maniruzz	aman Bhuiyan
D) DICTURE						
B) DISTURB						
SAMPLE NOS: D1-D14		NSIONS: 1 3/4 I		NO TAKEN:		
TYPE: Split Spoon		HT OF HAMMEI		AVG. DROP	2: 30 Inces	
HOW SAMPLED: WOODEN/BOX/.	JARS/CANS/ BAC	GS	DESPATCHE	D ON:		
		CAS	INIC			
SIZE:	LENGTH USED:			ANAED	1440 5505	
	LENGTH OSED.		WT OF HAN	/IIVIER:	AVG. DROP:	
REMA	RKS			LOCAT	TION SKETCH	
Drilling was advanced by		ethod		LOCAT	TON SKETCH	A.,
,		ciroa.				↑ N
			↑ ↑			¥
		M	Khal			
	ñ	X109 12022	호기			
	মোহ মনিক	জামান ভূইয়া		НЗ	H4	9
	99	इ निम		V 6.70	0 m V	
		জ্ঞান উপ-বিভাগ া, যশো র।	1	6.10 m	6.10	
	41 11364	1, 46-1171	ا ق	•		
			l ji	C JOM	H2 5.70 m	
			0.0		112	
\$8000055			Existing sluice	-14 P	H1	į.
209/22			— ♦ m ♦	*	₹ €	
(যোঃ জাকির হোলেন)		4	Eart	hen road	Earthen roa	ad
উপ-বিভাগীয় প্রকৌশলী (ভারপ্রার্ড) স্থামনগর গওর উপ-বিভাগ						
ৰাগাউৰো, শ্যামনপর, সাতকীরা।			1			
				<u> </u>		_
			-	Khelpetua ri	ver —	
	.81	*				
		-		NIa+ -l		
				Not ara	awn to scale	



GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

Pro	jec	t:Re	habilitation of polder no 1	.5 at	satkł	nira c	listri	ct un	der	SIT	E: Ch	nand	nim	ukh	a				-			_	
sat	khir	a o	&m division														_						
										P.S	: Shy	amr/	naga	r				OIST	: S	atkl	nira	a	
LOC	CAT	ION	: Chandnimukha khal							НО	LE N	U· H	1				10	`DC	ALL	IÓ I	F\/	FI	1.55
			N,O&M DIVISION-1, Satkl	nira													\top		IUN			EL	: 1.55 m
					28.401	FTFF		00.00			TER		EL: (0.0			P	ΛT		7:0	00		HRS
				VIT: F	Cig-2	_ETEL 1	0: 03	-06-22			DAT FAL [H · 7	12 f	-		_					_	
a	ole	Π		F	PHY	1 SICA	L	DI:	STUF	RBE	D SA	MPI	.ES	T	PE	NE.	ΓRΑ	TIC	NC	TE	ST		INDEX
mp	Sample	Œ	LITHOLOGICAL	_		R.	5	BI	LOW	/S C	N	1	OWS ON	N	0 ()F I	BLO	WS	S PI	ER :	1 F	Т	Disturb
No of Sample	of	Scale (ft)	DESCRIPTION	DENSITY	COLOR	MOISTURE	DILATANCY		SPO	ON		1	SING			PEI	VET	RA	TIC	N			Undisturb
0 0	Type	Sc	DESCRIPTION	DEN	8	1018	IA	0/	6/	12/	18/		12/	1				T	T	T_			
_	F					2	٥	6	/12	/18	/24	/12	/24	10	20	30	9	3	12	80	18	100	REMARKS
			Very fine sand with trace	, e						_							\pm					H	N.P=Non-plastic
	5		silt	Loose	>		N.P									+	+	+					v.soft=very soft
D1				1	GRAY			1	2	4	5				\exists	+	\mp	+				H	
	10																	F					
D2				ب.				0	1	1	1			F		+	+	+					
	15		Clay with trace silt	sof													\pm						
D3			and and and and	Very soft				0	1	1	1			\vdash		+	+	+					
	20														-							H	
D4								1	1	1	1					+							
	25			Soft			Plastic								\dashv	+	+	+					
D5				So			Plas	1	1	2	2					\pm	F	E					. ^
	30		Clay with some silt	Stiff											-	+	+						Na
D6			Cidy With Some Silt	m S				2	3	4	8					\mp		-				Ξ	246912022
	35			Medium												+	+	=			त्य	o '	মাৰিকজামান ভূব ভতন্তবিদ
D7				Z	gra	Moist		2	2	5	9		-			\mp					9 9		পানি বিজ্ঞান উপ-বি
	40		Clay with trace silt	Ħ	dark gray	2									+	+	+					=	বাপাউবো, য েশার ।
D8			Clay with trace silt	Stiff	р			2	3	7	9												
	45		Cile to a select	Se			۵								+	+	+						
D9	13		Silt trace clay	Loose			z	4	5	5	8					\pm	\pm				\dashv		
	50		Cl- 'II	1			Ę.		_							\pm							
010	-		Clay with some silt	Stiff			Plastic	6	7	8	10				+	+	+	H					
	55					-			+	-	10				=	Ŧ							
011	00						ŀ	8	10 :	12	1.4			7	+	+	+			#	\Rightarrow	\exists	
	-			Ise				0	10 .	12	14												
012	50		Very fine sand with trace	Dense			Non-plastic	0	11 /	12	15			1	+	+	+		\exists	\exists	1		
=		=	silt				현	9 :	11 1	13	15			7	+	+	+			+	+	=	
013	55		Production (Medium			No.	10					\exists	\exists	T	F	E			-			
=	-			2	Gray		F	10 1	14 1	15	18		_	+	+	+	-		\dashv	+	+		
014	70						E	10			10						E						
			Note: >50%=	Domir	ant ci	70 50					19		-	20/	-		-		\exists		-	1	

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace

(सांश माष्ट्रां पूर्व) उत्तरकारी धार्मेन्त्री मार्चा कर्मका स्वसार्व् देने । अध्य मार्चा वामास्त्रां माप्रकान

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIFLD BORF LOG

			JKE LUG									
Project:Rehabilitation of polder r	no 15 at satkhira distric	t under	SITE: Chandnimu	kha								
satkhira o&m division												
			P.S: Shyamnagar		DIST: Satkhira							
					11. 11. 11.							
LOCATION: Chandnimukha khal			HOLE NO: H2		GROUND LEVEL	.: 1.7 m						
CLIENT: XEN,O&M DIVISION-1, S	atkhira		WATER LEVEL: .9	0 m	AT 7:00	HRS						
DATE STARTED: 04-06-2022	DATE COMPLETED: 04-0	06-22	OF DATE-									
DRILLED BY: GWHD-2 UNIT: Rig-21 TOTAL DEPTH: 72 ft												
e e	PHYSICAL	DISTU	RBED SAMPLES	PENET	RATION TEST	INDEX						

35	e e			PHY	SICA	L	DIS	TURB	ED SA	MPL	ES	I	PEI	NE	ΓRA	TIO	N .	TES	Т	INDEX
Clay with trace silt 1	of Sampl of Samp cale (ft)	LITHOLOGICAL DESCRIPTION	NSITY	LOR	STURE	TANCY	S	SPOO	N	CAS	N SING	NO							FT	
D1 10 15 15 15 15 15 15 1	No Type		DEI	2	MOI	DILA		/ /	/ / /	1/	/	10	20	30	50	09	70	80	100	REMARKS
10														=	+				+	
20							1	1 1	. 1											oft stiff gray stic stic
20		Clay with trace silt	y soft				1	1 1	1											Very so edium hitish on-plas
20 20 24 25 25 25 25 25 26 26 27 27 27 27 27 27			Ver																	V. S.= V S.=M6 G.= W I.P.=Nc
25 25 25 25 25 25 25 25							1	1 1	. 1				=							Σ×××
1 2 2 4						Plastic	1	1 1	1											
Silt trace clay Silt trace silt Silt			Soft				1	2 2	4											
Clay with Little silt 1			Stiff																	112022
45 Silt trace clay 99		Clay with Little silt					3	4 7	8				#						,बार	
45 Silt trace clay 99			um St	Gray	Moist		2	3 3	4										ভূগৰ্ভ	ভূত্বাবন স্থূ পানি বিজ্ঞান উপ-বিং বাগাউবো, যশোর।
45 Silt trace clay 99			Medi				3	3 4	6											
09		Silt trace clay										+	#	+					+	
Very fine sand with trace			ıse				6	8 10	12											
Very fine sand with trace			m Der				8 :	10 12	2 14											
Very fine sand with trace			/lediu			astic	8	9 13	2 15									#	+	
11 12 14 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	60		_			Jon-pl			, 13			-	-	-						
13 12 15 16 18 12 15 16 18		silt				~	11 3	12 14	1 17											2
			nse				12 3	15 16	5 18				#					#		
14 12 15 16 18	70		De				12	15 6	16					-						

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

০৭/০৪/22 (মাঃ সাজ্জাদুল হক) উপ-সহরারী প্রেটিশ্লীপারা কর্মকর্তা নপ্তয়াহেনক। পাত্তর শাখা বাপাউবো,শায়নগর

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

Pro	jec	t:Re	habilitation of polder	no 15	at s	atkh	ira d	F listri	ct ur	D B	ORE ISIT	E LO	G	nimi	ıkha			_	_		_		_		
sat	khir	a o8	&m division						00 01	1001			amn					DI	ST	: Sa	itkh	ira	a		
			: Chandnimukha khal								-		O: H					GI	RO	UN	D L	EV	'EL	: 1.36 m	
			N,O&M DIVISION-1, S TED: 05-06-2022	_		NADI	CTCC	. 05	06.0	2	-		LEVE	EL: .8	80 n	1		A	Γ		7:0	00		HRS	
_			Y: GWHD-2	DATE): 05	-06-2	2	-	DAT	E- DEPT	ш. 7	2 ft										
	Ta	T		10141	-	Acres 10 miles	SICA	L	D	ISTU	and the same of		MPL	_	7	DFN	IETI	2Λ1	ri C	INI '	TEG	T		INDEX	
No of Sample	of Sample	Scale (ft)	LITHOLOGICA	L				Ι.	_	LOV	VS C	N	BLC)WS	_	0 0	F BI	٥١)	NS	PE	R 1	-	Т	Disturb	
of S	e of	cale	DESCRIPTION		DENSITY	COLOR	MOISTURE	TAN			OON		CAS	ING	L	P	PEN	ETF	RAT	ΊO	Ν			Undisturb	
8	Type	S			DE	S	MOI	DILATANCY	0/6	6 /12	12/ /18	/	0/12	/	10	20	40	50	09	70	80	90	100	REMARKS	
																	F						H		
D.1	5					>																	H	4 >	
D1						Gray			_1	1	1	1				+	+					_	H	V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic	
D2	10		Clay with the second	.	Very soft																			V. S.= Very soft I.S.=Medium sti G.= Whitish gra J.P.=Non-plastic P.=Semi-plastic	
D2	200		Clay with trace sil	ί	/ery				1	1	1	1				+	+						H	S.= V = Me = W} = No = Sen	
D3	15				>			tic	-	1						-								V. S. W.S.: N. P. S. P.: S. P.:	
- 03			10					Plastic	_1	1	1	1				+	+					_	H	- >	
D4	20								1	1	-	1				+	\vdash								
				-	±				1	1	1	1											\forall		
D5	25				Stil	ray			1	2	3	3				+	+							^	
	20		Clay with Little sil	t	Medium Stiff	dark gray					3	3											H	dia	
D6	30				Med	q			1	3	4	6				\pm							H	25/09/2022	
	35								_		_					+						Co	113	মনিকজামান ভূই ভূতভূবিদ	य
D7	33		Cile in a		Se		MOIST	0	2	3	4	5										P	গ্ৰ	ম্ব পানি বিজ্ঞান উপ-বি	গগ
	40		Silt with trace clay	′	Loose		Š	N.P					-		\dashv	+	+				+			ৰাপাউবো, যশোর।	
D8	40								2	4	4	6			\exists										
	45		Clay with trace silt		Stiff		Ì	tic								+				\dashv	=		H		
D9			Clay With trace sin		St			Plastic	6	7	8	12				+									
	50																								
D10			Silt with trace clay	.					2	6	10	13				+	Ħ		=	=	=				
	55		one with trace clay		_														\exists					- 1	
D11					ense	Gray		i;	6	8	10	12				+			#	+	\dashv				
	60				Medium Dense	9		Non-plastic					\exists												
D12					diur			-uo	8	10	13	15						\dashv	+	\mp	+				
	65		Very fine sand with tr	ace	Me			Z				=	\exists		\equiv	F		-			=				
D13			silt						8	10	13	16								#	1				
	70														\perp	+		\exists	\exists	1	\exists	1			
D14									10	12	14	16				-		+	#	+	+	7	\exists	4 7	

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

ত্তিত ত্তিত হৈ ত্তি কৰিছে। বুল হক) উপ-সংকারী প্রত্যোগ/পাবা কর্মকর্ডা নপ্রার্থিতী প্রর শাখা বাপাউবো শ্যামনগর

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

Pro	ject	::Re	habilitation of polder no &m division	15 at	satk	hira	distr	ict u	nder	SIT	E: Cł	nand	nim	ukh	ia								
Sati	XIIII	a Uc	xm division							P.S	: Shy	/amr	iagai	r				DIS	T: 5	Satk	hir	a	
LOC	CAT	ON	: Chandnimukha khal							НО	LE N	O: H	4					GR	OU	ND	I F\	/FI	.: 1.65 m
CLIE	ENT	: XE	N,O&M DIVISION-1, Sat	khira						+		LEVI		15 ו	m			AT			00		HRS
				DATE C	ОМР	LETE	D: 06	-06-2	22	OF	DAT	E-											ITINO
DRI	LLE	D B	Y: GWHD-2	JNIT: I	Rig-2	1				TO	TALI	DEPT	H: 7	2 f	t								
٩	ole				PH	/SIC	AL	D	ISTU	RBE	D SA	MPI	.ES		PE	NE	TR	AT	ON	I TE	ST		INDEX
No of Sample	Type of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION	DENSITY	COLOR	MOISTURE	DILATANCY	E	SLOV SP(VS C		C	OWS ON SING	N	10 (OW TRA				FT	Disturb Undisturb
Noo	Type	Sc	DESCRIPTION	DFN		MOIS	DILAT	0/6	6/12	/	/	0/	12/	10	20			50	Т	\top	Т	100	REMARKS
												-		F				+	#	+	+	+	
	5																	\exists		-	F	F	
D1								1	0	1	1								+			\vdash	
	10		Clay with trace silt	#											F			\dashv	+	+	+	+	
D2				Very soft				1	0	1	1												
	15			Ver															\pm				
D3	12							1	0	1	1							#	+	+	+	+	
									0	Ţ								\pm	-	+	F	H	
D4	20						tic											1	=				
D4				-	-		Plastic	_1	1	1	1							\pm	\pm	+	F	\pm	
	25													=		\dashv		\mp	#	+		Ħ	
D5				Soft				1	1	2	3					\exists	\exists		+			H	
	30		Clay with Little silt	S													\Rightarrow	+	+			Н	
D6			•					1	1	3	6					7		\mp	+			Ħ	
	35			tiff		_												-	+	+		Ħ	
D7				Medium Stiff	Gray	MOIST		2	3	3	6								\pm	\equiv		H	M.D=Medium
	40			diu	10	Σ		_									#	+	+	+		H	dense
D8	70	=		Me				2	3	4	6				\exists	7	7	+	+			Ħ	Ma
	45							-		7	0					\exists		-					০১/৪৭1 10 12 ১ মনিক জামান পুর
D9	45		Very fine sand with trac					1	-	0	10				1	#	#	+	+		- 6		ভতত্ত্ৰবিদ
			clay					4	6	8	10					7	+	+	+	+	4	ग	র্ভস্থ পানি বিজ্ঞান উপ-বিভ বাপাউবো, যশোর।
010	50		/											\exists	\exists		-		\pm			\exists	वानाख्या, वटनात्र ।
)10		\exists		_ o				6	8	10	12		_		\Rightarrow	+	+	+				Н	at a
	55			ens			tic								_	\Rightarrow	+	+	+			H	9
)11				ு Medium Dense			Non-plastic	6	8	10	12				\exists	-	+	+	-			Ħ	
	50			diur			l-uo									-	7						
12			Very fine sand with Littl	e Me			ž	8	10	13	15	\dashv		+	\Rightarrow	+	+	+	+			H	
=	55		silt, trace clay									-	1	#	+	+	+	+	+			Ħ	
13								10	12	14	16	\neg								F		H	
	70									- 1		\dashv		1	1	-	\pm	-	F				
14	70 -							10	12	14	17	-	#	+	+	+	+	+	+	Ħ			
			Note: >50%	6=Domi	nant	sizo 5	0% 5	Name and Address of the Owner, where	The Real Property lies	_	_	- 1	09/ 2	00/	Tine 1		100						

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trac

তেন্দ্র তিনি বিশ্ব বিশ্

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIFLD BORE LOG

Proj	ect:	Reh	abilitation of polder n	o 15 a	it sat	khir	a dis		und				ndnim	nuk	ha										
			m division							-			mnaga	_					OIS	T: :	Sat	khi	ira		
100	Λ T Ι	ONL	Chandnimukha khal							ŀ	HOLE	NO	: H5						GR	OU	INE) LE	EVE	L:	1.55 m
			I,O&M DIVISION-1, Sa	tkhira	3								EVEL:	.75	5 m	1		1	١T			7:0	0	F	HRS
			ED: 07-06-2022	DATE	CON	1PLE	TED:	07-0	06-22			ATE-				Ť									
DRII	LEC	ЭΒΥ	: GWHD-2	UNIT	_							-	PTH:	-									D. 1900	_	
(1)	e				PI	HYS	ICAI	-	DIS	TUR	BED		/IPLES	_				TRA						-	INDEX
No of Sample	Type of Sample	Scale (ft)	LITHOLOGICA DESCRIPTION		DENSITY	COLOR	MOISTURE	DILATANCY		OW:	NC	N	BLOW ON CASIN		NO			BLC NE					L F7		Disturb Undisturb
No ov	Type	Sc	DESCRIPTION		DEN	8	MOIS	DILA	//	6 /1 /12 /	/	/	12 /	/	10	20	30	40	20	09	70	80	90	100	REMARKS
	5								4	1	2	2	+												
D1					#				1	1	2	2	_											H	
	10			.	Soft			Plastic	1	2	2	3	_								E	E			
D2			Clay with trace si	lt				Plas	Т.	2		5	_										=		
	15								1	2	2	2	_												
D3					٠.				1				_						_					H	
	20				V.soft				1	1	1	1	_				Ξ		=			E	E		
D4								()	1	1				_									+		
	25	5	-		V.loose			Non-plastic	1	1	1	1													
D5)		Silt with Little cla	У				ld-u		-		_							_					E	_
	30				Loose			S	3	3	4	5									+	+	+	F	dra
De			1		-			_		5					F										25/09/2022
D.	35	5	1		Stiff	Gray	Moist	i;	3	7	7	7								-	+	+	CNI	0 7	দিকজামান ভূইৰ
			Clay with some s	ilt	iff	5	ž	Plastic										7.7			E				ভূত ্তাব দ পানি বিজ্ঞান উপ-বিভ
D	4(0 -			M.stiff				2	4	4	6			F					F	+	+	4-1	1	াপাউবো, যশোর।
																	E		E	E			\mp	E	
D:	4.9	5	Silt		Loose				3	4	5	7			F	+		+		+	+	+	+	+	
			-												\vdash			F			-	-	+	+	
D1	5	0							4	8	10	12		_	F	+	F	+	F	+	+	+		+	
	_		=					U	_					_		E	E			-	+	+	+	+	
D:	5	5 _			ıse			Non-plastic	6	8	11	13			F	+	F	+		+	+	+	\pm	+]
			Very fine sand with	trace	der			g-u							-					+	+	\pm	+	+	
D.	一 12	0	silt		lium			N	8	11	13	15			F		+	F		1	+	+	\pm	+	
Ë	一	_	=		Medium dense							=			\mp	F	F	F	F	Ŧ	=	-	+	+	
D.	一 13	5 -	3		_				8	12	13	16			+	+	+	\pm	İ	+	\pm	+		+	
Ë	=		∃							-					+	F	F	F	F	-	-	+	+	+	=
D	14	0							9	12	14	17			1		1	1	1	1					-

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.

(মাঃ সাজাদু বিক) উদ্সংকারী প্রেন্সী/বারা কর্মকর্তা নগুরাবের্কী পুত্তর শাখা বাপাউরো,শ্যমনগর