# APPENDIX 7.2.2

# BORING LOG

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

BOLING HOLE No.

GROUND ELEVATION 2,436

DATE OF INVESTIGATION 14 FEB '94

Saral , Harskhali, Chittagong

DEPTH TO GROUND WATER LEVEL IN HOLE -1,856

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				11-1 (1)									·		*************						
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24 	22.26	24.70	0.90		sik Siky	Grey	SILT trace line soul dense to dense Silty fine to med.	24.45 25.00 25.45 26.00 27.00 28.00	17/30 19/30 50/30	8	9	1									
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24 	22.26	24.70	0.90		sik Siky	Grey	SILT trace line soul dense to dense Silty fine to med.	24.45 25.00 25.45 26.00 27.00 28.00 29.00	17/30 19/30 50/30	8	9	1									
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION 2.455 m

DATE OF INVESTIGATION 13 FEB '94

Saral , Bansskhali , Chittagong BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -1.7

-1.755 m

			<u> </u>	FIELD	OBSERVAT	IONAL 1	DESCRIPTION	Γ		STA	ND	AR	D PE	NETR	TION	TES	T'			SA	MPLI	NG
STAFF	ELE-	DE-	HICK	COLUMN	Soil or Rock NAME	color			N INTER-	Num	of 1	have		NUMB	ER OF	RIO	w/s -1	v		Sumple	Danth	Me-
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11-							dense fine SAND with silt trace	11.00	9/30	3	3	6		<u> </u>				1				
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

3.050 m

DATE OF INVESTIGATION 08 FEB '94

DEPTH TO CROUND WATER LEVEL IN HOLE -2.35 m

					mli, Clri	Itagong		DEPTH TO	CROU	AD A	ATI	3R					. men	1. 1557	:			
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

3,469 m

DATE OF INVESTIGATION OB FEB '94

Sadhonpur, Bansklıkali, Chittagong

BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -2

-2.35 m

				1-2 (2)	<del> </del>																	•
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STAFI	ELE-	DE-		COLUMN	Soil or Rock NAME	COLOR			N.C.	Non Eve	of l	lovs	!	N1513.57	BER OF	e pro-	oue s			58 254 °		ŀ
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ı —	2.17	1.30	1,30		clay	Brown	with silt	1.45			-	$\vdash$					<del> </del>	<del> </del>	1	1.50		1
-	.:							2.00	3/30	$ _1 $	1	2	1	١,					U-1	2.00		١
2							very soft SILT	2.45	1,211			. : .	1					†				١
, 7				<b>HEREN</b>			with clay trace	3.00	1/30	0	0	1	1							T		l
3 -	0.07	3.40	2.10		silt	Crey	fine sand	3.45										Ĭ				l
4					£ 5			4.00	1/30	I.	0	1	1_				<b> </b>	ļ				l
-							11	4.45	1/30	١, ١	0	1	4.							_		l
5			,					5.00 5.45	1750		-	-	+		-							l
-					1			6.00	5/30	1	2	3	1							-		l
6			, i					6.45	-	Н						<b></b> -		-	1	-		l
								7.00	7/30	2	3	4	1:				Bar.		100	:-		l
7 -								7.45											1			l
8								8.00	6/30	4	3	3		<u> </u>	<u> </u>			<u> </u>	<u>.</u>		- 3	l
J _							very soft to med.	8.45	7/30	,	3	4		. :	<u> </u>	: :				_		1
9			:				stiff SILT with fine sand trace	9.00	1130	3	3	4	-				ļ. <u>.                                   </u>		ļ -			l
-	-6.33	9.80	6.40		silt	Grey	clay	9.45	8/30	4	4	4	1							-		-
10-							<u> </u>	10.45			<u> </u>	-	<b> </b>	<b>\</b>	<b>-</b>		-	1		-		
I T							Harris Barre	11.00	11/30	4	5	6		1	•	,	l Barri			<b> </b>	;	-
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12								12.00	13/30	5	б	5						<u> </u>			7.	l
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, -								16.00	18/30	5	8	10				1				-		l
16								16.45		I						-			1			ĺ
17			İ						35/30	15	15	20	<u> </u>	<u> </u>					1.			١
-			<b> </b>			+1		17.45	30/30	15	าย	20	[:	ļ.		₹				_		l
18-							very still & hard	18.00	00.00	-	10	20		<u> </u>	<del> </del> -	<u>`</u>	<b>}</b>		-			ļ
						į	fine to med sardy	19 00	12/30	20	20	22							-	-	:	I
19-	15.98	19.45	9.65		silt	Crey	I bill I trace clay	11045	1 : 2 : .					<b></b>						<u> </u>	: .	l
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22							1.0	22,00 22,45	<del> </del>	-	-				-	<del> </del>	<u> </u>	<del> </del>	1.	<b> </b> -		I
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23-								23.45		-						<del> </del>	-	<del>                                     </del>	1	<b>-</b>		١
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MULTIPURPOS CYLONE SHELTER (PHASE-2)

PLOJECT LOCATION

GROUND ELEVATION

3.332 m

DATE OF INVESTIGATION 10 FEB '94

Jakli , Banskhali , Chittagong

BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -1.6

-1.682 m

				11-3 (1)			· •					_									
				FIELD	OBSERVATI	ONAL I	ESCRIPTION	Γ		ST	ND	AR	D PE	NETR	TION	TES	i		S	AMPLI	NG
STAFF	CLE-	DE-	типск-				e eesta a	<b></b>	N	Num	of I	low							1	Γ	1
SIAFF	VATION	PTH	NESS	SECTION	Soil or Rock NAME OF	COLOR	DESCRIPTION	Depth		Ev	njl5	em	1.1	NUM	ER O	Bro.	WS N		Sumple	Depth	Me-
m	m	311	m	(Graphic)	OF CLASSIFICATION	TONE	100	m	CHE	15	30 cm	45 cm	0 1	0 2	0 3	0 4	0 . 5	50 - 60	No.	m	33801
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1			100					1.00	ļ							<u> </u>		<del> </del> -	1		
-				/2			very soft clayer	1.45	٠., ا				P						ľ	<b>}-</b>	
2							SILT	2.00	3/30	1	1	2						<b> </b>	₹		
<b> </b>	11.00					7.		2.45	Į				1							2.50	! :
		٠.		- 1/-				3.00					1					ļ	U-1	3.00	L
3 —	-0.02	3.55	3.55	/2	clayey silt	Grey		3.45	]	-							l	\	<b>i</b>	L	,
-								4.00	1/30	0	0	ı	$II \cdot I$						ł	L.	
4			3.1			4.2		4.45					7	1.0					1		
-							stiff SILT with	5.00	4/30	2	2	2			i			1		Γ	
5							clay trace fine	5.45	<b> </b>	<b>†</b>			$\neg$	1					1	_	
-				erric			sand	6.00	5/30	2	2	3	1.1	i.			İ		]	<b>-</b>	
6 -						.:		6.45	10.00	<del>  -</del>		Ť	-			<del> </del>		<b>—</b>	1	<b>-</b>	Ĺ
⊢	3,47	6.80	3.25	Title	silt	Grey		7.00	8/30		,	-	١							-	
7 —					100			7.45	0/30	3	3	-		<b></b>		ļ		<del> </del>	1		
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8			l ·		1	1	stiff to very		<u>l 1/30</u>	4	5	6	<u> </u>	1	<b> </b> -	<u> </u>	<b> </b> -	<del> </del> -	1	<u>├</u> │	
_	3		<b>i</b> .		3	1 : '	stiff Clayey	8.45	ł					1	1	1	1		). ·	<b> -</b>	i
9					1		SILT		14/30	5	7	7					<u> </u>		1		l
$  '  _{\mathbb{L}}$	-6.37	6.80	3.25		silt	Grey		9.45		1				4	٠.					L 1	
1.0						91.7			16/30	7	8	8							]		
10-								10.45	4	] [									].	L	1
[,, ]	.							11,00	18/30	7	7	11		L ^		L		<u> </u>	].	L_	
11-	•	,	. :					11.45		Π					<u>`</u>				]		
-						· ·	dence fine to	12.00	36/30	13	17	19								Γ	
12-							med.SAND with	12.45		-								T	1:	<u> </u>	1
							silt	13.00	36/30	19	าภ	ın				1			].	├- :	
13		•			1			13.45		Ť	<del>   </del>	===						1	1:		
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^^-	11.52	1 4 05	E 16		sard	Grey	i e ti	14.45					i .				>			<b>⊢</b> .	
15-	11.34	14.00	3.13		8111	Gitty			49/30	20	28	21						-	-		l
" _	- 11	11	100					15.45	4	١.		٠.	1. 1				1.5			<u>_</u>	ĺ
l									13/3(	8	6	7			1 1			<u> </u>	]	L_	
16						*	very stiff SILT	16,45	}									ļ	:	16.5	
							with fine sand	7.00		11							. 1.1	l	U-2	17.00	
17						* * * * * * * * * * * * * * * * * * * *	trace clay	17.45													
I -			. [					18.00	15/30	6	7	8	· ·							Γ.	
18								18.45	t	1					/				1	[	ĺ
-					1.			19.00	28/30	8	12	16			- 1					Γ	l
19-	17.02	10.00	1.75					19.45		1				<del>                                     </del>		<u> </u>		1	1		
-	16.27	13.00	3.13		silt	Grey		-	32/30	15	3.6	أيرا	4.1			<b>\</b>		]	1	上	
20-			1					20.43		1	10	10				$\vdash$	<u> </u>	+	1	<b>-</b>	
4					1				36/30		7.7	10	<u>'</u>			Ą	<b>.</b> . , .		1	<u> </u> -	ĺ
21							very dence fine	$\frac{21.00}{21.45}$	100/30	110	1.	17		<del> </del>	<del> </del>	$\vdash \vdash$	<del>                                     </del>		1	<b>-</b>	
-							to med.SAND			١. ـ	, ,		11		1	۱ ۱				<b>-</b>	1
22							with sift		40/30	19	19	21	<u> </u>		<del> </del>	<u> </u>	<del>\</del>	<b> </b>	<b>1</b>		
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23					1			23.45	4	1		.		<b>\</b>	1			100	<b>.</b>	L '	
	1.00								75/30	30	34	41	L	L				1	]	L_	1
24	21.12	24.45	4.85		sand	Grey		24.45					Ī			[				Ľ	1
-		-						25.00	90/30	43	45	45			]		:			Γ	
25				. '		k			T				-		T		<u> </u>	;	1	<u> </u>	l
1 -			l ·			:		26.00		1					Ì	n i				- ·	ĺ
26	1.		•	-				20.00	<del>                                     </del>	<del> </del>	Н		<del></del>	<del> </del>	$\vdash$			1	1	<b>—</b>	
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27				1	1 1 1			27.00	<b> </b>	H		-	<del></del>	<del>                                     </del>	<u> </u>				1	-	1
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28-								28,00	<b> </b>	<b> </b>		<u> </u>		ļ				<b></b>	∤ .	<b>-</b>	
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29	. 1				1	:		L		1											
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30-				<b>.</b> .		11.00							-					11.	1.	Γ	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION 4.190 m

DATE OF INVESTIGATION 11 FEB '94

Jakli, Barskhali, Chittagong BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -3

-3.04 m

				11-3 (2)																	
			54 D 20			ONAL I	DESCRIPTION			,			D PE	NETR	OFFA	TES	T.		S	MPLI	NG
STAFF	ELE-	DE-	NESS	COLUMN	Soil or Rock NAME	COLOR	D GG G INTERVALORI		INTER.	Ev	of b	iens i		NUMI	BER O	FRIO	WS N		C	Depth	Me-
1 . 1			,	(Granhic)	OF CLASSIFICATION	COLOR TONE	DESCRIPTION	1 .	PENE	15	30	15		1000						_	thod
m	m	311	111	NAPK /	CLASSIFICATION			233	Cin	CHI	Citt	CAL	0	0 2	0 3	1 4	0 .	50 60	No.	·m	ļl
-				*********	4			1.00									1			-	
1		'	\		1		stiff to soft	1.45	}	-					<del> </del>				}	-	
-							ckiyey SILT	2.00				٦	7		} ·		Γ.	1		-	
2								2.45	5/30	1	2	3		ļ			<del></del>	ļ	1		
-	1.65	2.55	2.55	****	silt	Grey		3,00	1						l :.				U-1	$\frac{2.50}{3.00}$	
3 —							stiff clayey	3.45			-	-						<del> </del>	0-1	3.00	
-						, .	SILT	4.00	3/30	١,	١, ا	2	1							-	
4 -								4.45	טניאיו	-	1	4			<b></b>			<del> </del>			
-	0.46	4.65	2.10		silt	Grey		5.00	5/30	9	9	3	1 9		\ .			1		-	1
5 -	-						stiff SILT with	5.45	3/30		-	<del>  ~</del>	- -	<del> </del>		<del>                                     </del>	<del> </del>	<del> </del>			
1 -					4 -		clay trace fine	-	4/30	2	2	2			1.	ļ				-	
6 -					442.5	1.5	sarxl	6.45	1	<u> </u>	一	┞	<del>                                     </del>		<del> </del>		-		1		
	2.61	6.80	2.15		silt	Grey		7.00	5/30	2	9	3	1 1	1 1			٠.				
7 -					1			7.45	2.55	=	<del>-</del>	-						1	1		1 14
		1	1.	<i>#</i>	1			8.00	6/30	2	3	3	1	. ; :			1	1	Ι.		
8		1		//	à	ነ	Still to still &	8,45			Г					1		1	1		
				#			very still clayey	9.00	7/30	3	3	4	^	1			L - :	1	]	Γ	/
9 —			1.17	//		l	sift	2.45_										1	]		
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_	7.46	11.65	4.85	#	clayey silt	Grey		11.45	1	١.					/					L	
12-				****				12.00	29/30	10	13	16						<b> </b>	)		
								12.45	•			:' .								_	
13-		-	1				SAND with silt		16/30	20	22	24			<u> </u>		/	-			
-			. :				SWAD WITH SOIL		1								<i>Y</i>		1	-	
14								14.00		15	20	20			<del> </del>	<del>  /</del>		<del> </del>	{		
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15-			l		1 1 1	_		15.00 15.45	35/30	LU	1.7	18		<del> </del>	<u> </u>		$\rightarrow$				
-	-11.41	15.60	4.85		sand	Grey	:	16.00	55/30	อก	25	3n		Ì	1					<b>⊢</b>	Ì
16-					:			16.45		-		30		<del> </del>	<del> </del>			<del> </del>	1	- 1	
							soft clayey	17.00	1	12	14	16		٠.						<b>-</b>	
17							SILT	17.45		<u>~~</u>										<b>-</b>	
7						1.		18.00	2/30	ı	[1]	ı	1							-	
18	14.41	18.60	2.90	765614	silt	Grey		18.45				-								18.50	
1 7								19.00											U-2	19.00	
19-		ŀ	ŀ				soft to very	19.45		-			1								
20-	:						stiff & hard	20.00		1	1	1			L						
20							SILT with clay	20.45	10.1						L	-			ļ: ·	L	
21-							trace fine sand	21.00	20/30	8	9	11		ļ	ightharpoons	<u></u>		ļ		L. ∶	
								21.45			11.1					`	<b>.</b>		<u> </u>	L	
22	10.00	00						22.00	42/30	16	20	22	·		<u> </u>	<u> </u>	\	ļ		┞ │	
-	18.26	22.45	0.85		silt	Grev		22.45					V	1		ļ · · · ˈ	1				1
23								23.00	62/30	30	30	32						1-	1	<b> </b>	
								23.45		1 .			1. 15		]			1		<b>-</b>	
24								24.00 24.45		1							<b></b>				
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25								25.00 25.45	<del>                                     </del>	-		Н	-	<b></b>			<del> </del>	1			X z f
-								26.00					1. 		[		٠.	Į		-	!
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ا ا								27.00					1 - 1					I .		-	
27				1.7	1			1		1-		<u> </u>	}		<b> </b>			<del>                                     </del>	1		
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29					1		· ·			<u> </u>			1						]:		
30			<sup> </sup>		<b>\</b>		<b> </b>	30.00		<u> </u>			-		<b> </b>		<b></b>	1	<b>]</b>		1
[30]			<u></u>	L	<u> </u>	<u> </u>	l		<u> </u>	<u>L</u> ,		L					<u>L</u>				

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

4,609 m DA

DATE OF INVESTIGATION 07 FEB '94

Jalalabad, Sadar, Cox s Bazar

BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -0.6

-0.63 m

				11-4 (1																	
	: .	2.5		FIELD	OBSERVAT	IONAL I	DESCRIPTION			STA	ND	ΑR	D PE	NETR	ATION	TES	r		S	AMP1.1	NC
STAFF			TIOCK-	COLUMN	Soil or Rock NAME				N	Num	o[ ]	lovs							[, ,		
	NOTTKY	PTH	NESS	SECTION (Graphic)	NAME OF	COLOR	DESCRIPTION	Depth	INTER-	LY	30	(A)		NUMI	SER O	F BLO	WS N		Sumple	Depth	Me- thod
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				//				L							i				1		
3			:	1 4		C	soft silt with	1.00	4/30	2	2	2									
\	3.21	1.40	1.40		sordr silt	Grey Brown	fine sand	_	I				7		:			T		L	
								2.00	2/30	1	1	1	$\mathcal{L}_{-}$				L <u>.</u>	<u> </u>			ı ļ
2 -				:::::Z									1								
							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.00	3/30	0	l	2					1		]	3.00	:
3			11.	1	:	1							7						U-1	3.50	
							4.5	4.00	0/30	0	0	0	/						}		
4					4.														]		
5				/				5.00	1/30	0	0	1	L					<u> </u>	]		
3	٠. ا			/		:			١.										1		.
					1.1			6.00	1/30	0	0	1	L		<u> </u>		<u> </u>	<u></u>	] -	6.00	
6					ter g		soft to very	L		\ \ \		1	l I		}		1	1	U-2	6.50	
7	:				j	1 1	clay trace line	7.00	1/30	0	0	1	Ц	<u> </u>			<u> </u>				
′	5 4						sand														(
	111	1		7			4.9	8.00	1/30	0	0	1	1			L	L			انيا	.
8 —					1 1 1 1			L		-			1	]		-	- 7-			L	
_ ا				7	sili	Grey		9.00	2/30	0	0	1			<u> </u>		<u> </u>	<u></u>			
9.—	<b>-4.99</b>	9.60	8.20		with clay	Brown							1			ļ			1 : 1		. [
J., , T							loose fine to	10.00	4/30	2	2	4		L			L.	L	] - [		
10-			1.1.	/			medium SAND		<u> </u>	Γ			7		I		. 7.	Π			, l
l., T	-6.49	11.10	1.50	/ /	sand with silt	Grey	with silt	11.00	0/30	0	0	0	<b>V</b> :							Γ. Ι	
11-				<b>z</b> .			very soft SILT				1							1	]		.
آ يا	1		•	<i>-</i> /			with clay trace	12.00	0/30	0	0	0			l .		. )		· .		. 1
12		:		/	1111		fine sand												1	·	
			1.					13.00	1/30	0	0	1	1								. [
13				/				7	1				1					1	1		. 1
	0.50	1400	n 10	7	sîlt			14.00	1/30	0	0	1									
14	-9.59	14.20	3.10	/	with clay	Crey	very stiff SILT						1	1			-		1	- I	
_ ~				/			with clay	15.00	14/30	5	6	8	`	<b>\</b>			1.5	ļ		-	.
15			ł	/		,	Will Cont		$\vdash$										1	_	
-				/				16.00	15/30	6	.7	8						İ		-	
16				/									_	- -				<del>                                     </del>	1		
-			1		Barrielle (1997)			17.00	16/30	5	7	9			ļ				1.	- 1	1
17	. ^ .			/					1					1					1 '		
			5.00					18.00	26/30	10	12	14						1		-	
18		100		<b>-</b>	cilt				1		-					7	-		1		
	14.24			7.	silt with clay	Grey	<del></del>	19.00		10	50	m	ıw for	1500	,		7		1		
19-	14.79	19.40	0.55		fine sand	Grey	very dense med to fare SAND & SILT		1			-		~~~				Ì	1		. 1
	1	: -		/				20.00	60/30	8	28	32				<b>\</b>		}	1	[	
20	. 1			1 1					100	i.				1			Γ.	T .	1		, 1
	, ,	03.00		/	silt with clay		hard SILT with clay & fine sand	21.00	60/30	10	30	30				1	"			T	
21	-16.59	21.20	1.00	<i>-</i>	with clay	<u>Grey</u>	cor or nine sourt	1	1						<u> </u>	<u> </u>	l	7	1		
			100	# 1			hard fine sandy SILT trace gravel	22.00	53/30	8	26	27						$\Gamma Z$		[ · · ]	
22-	17.79	22.40	1.20		samly silt	Grey	gravel		T	Γ-				1	<b>†</b>	T		<b>-</b>	[ ]		
			l	17			hard clayey SILT	23.00	30/30	111	14	16						1			
23-				17				-2:45	1	广									1		.
-				17				24 00	79/30	16	34	54	1	·			``			<b> -</b>	.
24		}	1	/	100			0	1	٣	~ *	<u> </u>						1	1.	<del>  </del>	·
-		*						25.00	95/30	16	45	50	ľ.						1	-	.
25		, .		1/				20.00		ΙŤ		Ĭ,	<b></b>		<del>                                     </del>			1	1 .	<b>-</b>	
		:		4				26 00	90/30	16	40	50			'					<b></b>	, [
20-		: .		2 : : : : : Z					1	H		m		t		<u> </u>	. 7.0	<del>                                     </del>	1	├ <b>-</b>	
-	22.39	27.00	4.60	17	clayey sili	Grey		27.00		18	50	ВІ	w for	1000	]	]			2	-	.
27-				7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.				*1.00		Ť	Ť			<u> </u>			<del></del>	$\vdash$	1	-	, ·
-	1							- 28.00												- ·	1
28					N 1 [7]	· .		40.00	<del>                                     </del>	Н	-	Н		<del> </del>		<u> </u>		<del>                                     </del>	1	├-	
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29-			} .			. :		67,00		-	-			-	<del> </del>	<del> </del>	<b></b> -	<del> </del>	1	-	
-				1.				30.00									'		· .	H	
30-	:					1 - 1		איאין	<del>                                     </del>	<del>  -  </del>		-	<del> </del>			<b> </b>	<del></del>	<del> </del>	1:	-	
		<u> </u>	L	L	L	L			<u> </u>	L			<u> </u>	1	1	L	L		I	L	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

**CROUND ELEVATION** 

4,596 m

DATE OF INVESTIGATION 07 FEB '94

Jalalahad , Sadar , Cox's Bazar BOLING HOLE No.

11-4 (2)

DEPTH TO GROUND WATER

LEVEL IN HOLE

-63<sub>.</sub>m

INVESTIGATED BY

STAFF CALLON PITH NESS SECTION OF COLUMN Soil or Rock OF BLOWS NAME TONE  IN IN IN IN IN IN IN IN IN IN IN IN IN I	50 60	Sumple	Depth	
m   m   m   m   m   m   m   m   m   m	5 S		`	
m   m   m   m   mask / CLASSIFICATION   m   cm   cm   cm   cm   cm   cm   cm	50 60	No		
SILT trace clay  2 -2.30 2.30 2.30 saudy silt cray Brown  3 -			1	
2 — 2.30 2.30 2.30 sarrly silt cray Brown 2.00 2/30 1 1 1 1 3.00 2/30 1 1 1 1 4.00 1/30 0 0 1 5.00 0/30 0 0 1			-	
2				
4.00 1/30 0 0 1  soft SILT with clay trace fine 5.00 0/30 0 0 1				·
	<del>                                     </del>	1	<u> </u>	
	-1.	1		
6.00 1/30 0 0 1	-		F	
7.00 1/30 0 0 1			7.10	
8 3.704 8.30 6.00 3 sik with fine Grey 8.00 1/30 0 0 1	1 1 1		8.10	
stiff SII.T with 9.00 6/30 2 2 4		U-2	8.60	
sand 10.00 7/30 2 2 5		]		
5.001 10.40 2.10 Saixt Grey				
stiff SILT with To m 6/20 2 2 4				
fine sand 13 00 7/20 0 3 4		1	-	
13   13.00 1730 2 3 4   14.00 1230 4 5 7		1		.
14 9.84 (4.40 4.00 sund Grey	:	1	_	. :
15.0033/30 7 13 20	-	1		
16-00/32/30 8 12 20		1		
17.00 30/30 7 16 22	1	1	-	
18   five sand &   18.0035/30 7 15 20	-	<b> </b>	_	
19.00034/30 35 39 45	<u> </u>			
20.00 34/30 8 16 18	1_		<u> </u>	
21.0033930 7 14 19				
22.00 56/30 8 25 31	<u> </u>		L	
22   17.90 22.50 8.10   Silt with clay   Grey	`	}		
24 000030110140150			-	
liant clavay 25 00 20 50 RIOWS for 12 m		]	F	
SILT GOOD GO SONIOWS C. 10		1	-	
		1		
27 22.40 27.00 4.50 Example 10cm 27.00 20 50 BLOWS for 10cm	-		<u> -  </u>	
28.00		1		
29-00 29,00	<del> </del>	1		
30,00		1	_	

A7 - 58

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

3,575 m

DATE OF INVESTIGATION 07 FEB '94

Jalalahad, Sadar, Cox's Bazar
BOLING HOLE No.
[1-5 (1)]

DEPTH TO GROUND WATER

LEVEL IN HOLE

-2.15 m

[				FIELI	OBSERVAT	I JAKO	ESCRIPTION			STA	MD	ARI	D PE	NETR	ATION	TES	Г		S	MPLI	NC ]
STAFF	ELE-	DE- PTH	THICK-	COLUMN	Soil or Rock NAME OF CLASSIFICATION	COLOR			N INTER	Num Eve	of L	lovs (m		NUM	RER O	f BLO	WS N		Summe	Depth	Me-
)11	111	1: " "	m	(Graphic)	OF CLASSIFICATION	COLOR	DESCRIPTION	Depth 111	PENE	15	30	45	n				100	50 60		l	thod
				****									-		Ĩ	Ī	Ė			_	
1						,	son SILT with fine to medium	1.00	4/30	2	2	2			ļ	ļ				<u> </u>	
-							sand & clay	2.00	<b>2/3</b> 0	ų		٠,	4							2.17	
2	1.00	2.50	2.50		silt	Grey Brown		12.00	2/30			-	<del>\</del>		<del> </del>	<del> </del>		-	U-1	2.70	1
3	:						a cinto	3.00	10/30	4	4	6		L	<u> </u>	L					
_					•		five SAND with silt	4.00	33/30		, ,	12			[					-	
4	0.93	4.50	2.00		ระบรไ	Crey		1.00	23/30	4	19	1.5			$\triangleright$	<del> </del>		7.7	1	<del></del>	
5				1		. 1		5.00	8/30	3	4	1			ļ	ļ					
-								6.00	ยารก	3	الزا	4				<u> </u>				-	)
6 -			:				sandy SILT	0.00	0/30	-		<u>.</u>	_	<del> </del>	1	<del>                                     </del>		-	1		
7 -				J.			with clay	7.00	8/30	5	3	5	_		<u> </u>				Į	<u> </u>	
					sandy silt			8.00	8/30	ĸ	 A	1		.i	1 :	1.1				-	
8 —	-4.03	8.40	3.90		with clay	Grey							•		1				1		
9_			-				fine SAND	9.00	26/30	7	11	15		1		<u> </u>					
-		ž 11					trace silt	10.00	26/30	7		1.4			1 1						
10-	6.03	10.10	2.00		Sard	Grey			FOLOG			17			17	<del> </del>					
11-								11.00	23/30	6	10	13				<u> </u>					
						* .		1200	16/30	4	g	g	: .		Y						
12						. A		12.00	10/30	*	Ĭ	Ť	·	11	<del>                                     </del>	-		1	1		
13				7				13.00	16/30	4	7	9				<b> </b>		<u> </u>		<u> </u>	
-				77				- 14.00	14/30	1	6	R				l .				-	
14				177										† <i>†</i>	<del> </del>				1		
15-				/ /				15.00	12/30	4	4	8		1	ļ	ļ					
<u> </u>								16.00	9/30	3	4	5		Y						-	
16															1				1		
17						1		17.00	9/30	3	4	5		-	ļ .			<del> </del>	┨	<u> </u>	
-			1.	11				18.00	10/30	3	5	5	1	¥		'			] :	-	
18-				1/1			+1		1					1					1		
19-		·		2				19.00	11/30	3	5	6		<b> </b> }	<del> </del>			<del> </del>	{		
-						-		20.00	9/30	2	4	5		Χ		]			]	-	
20-									Ī .	$\Box$						1				_	
21-								21,00	10/30	3	4	6		-	<del> </del> -	<del> </del>		-	1	-	
-				17				22.00	9/30	3	4	5								<u> </u>	•
22 -				111		e feet	very stiff to	1	l											_	
23				/			stiff SILT with clay trace	<u>23.00</u>	9/30	4	4	5	$-\dagger$		<del> </del>			<del> </del> -	:	<b></b>	
		:	:				fine sand	24.00	8/30	3	4	4			1	L			]		
24									7730.0				I							-	
25	- :	:						25.00	7/30	4	3	1	-{	- 1				<del> </del>			
0,			1					26,00	10/30	3	5	5	\					1			
26 -	- 1	į		777		\$ 7			0.00			$\prod$								<u> </u>	
27-								27.00	<i>8/30</i>	3	4	4	{	-	-	<del> </del>		1::-			
								28.00	9/30	3	4	5						1 -	]		
28								[	73.			7								_	
29-	- 2					147		29.00	10/30	3	4	6	-	<b>-</b>	-				1	<u> </u>	
	26.43	30.00	19.60		sik fine sand	Grey		30.00	10/30	4	4	6				<u></u>					
30	L		:					7	50	ليا		$\Box$				<u>                                       </u>		1	<u> </u>	l	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

3,573 m

DATE OF INVESTIGATION OR FEB '94

Jakahad , Sadar , Cox's Bazar BOLING HOLE No. 11-5 (2)

DEPTH TO CROUND WATER LEVEL IN HOLE

-2.18 m

		г		11-5 (2)			***************************************	r											1		
STAFF	PFF.	ne.	THUCK.	FIELD COLUMN		ONAL I	DESCRIPTION						D PE	NETR	ATION	TES	Γ.		S/	MPLI	NG
STAFF	KATION	PTH	NESS	SECTION   Graphic \	Soil or Hock NAME OF	COLOR TONE	DESCRIPTION	Depth	INTER- PENE	Num Ere	715 30]	45	1. T		BER O			• * .	Sumple	Depth	Me- thod
m	111	m	m	\ mark /	CLASSIFICATION			211	PENE	em	cm	cm	0	10 2 T	0 3	0 4	0 5	50 60	No.	ni	
ـــــــــــــــــــــــــــــــــــــ					· · · .		ne	1.00	7/30	2	3	4								_	
٠							still to soft & still fine to med.	2.00	2/30	1	1	ì							in the		
2 —				/			sandy SILT with clay	2.00	2/30		-	_	₹						U-1	2.65	
3 –				1				3.00	4/30	1	2	2	1	<del> </del>				ļ	<u> </u>		• ;
, -					sandy silt	Grey		4.00	13/30	3	5	8	`				1			<u> </u>	
4 -		4.40		10000	with clay	Brown	dence fine to med SAND with silt	500	3 1 /30	9	4	7	ġ, .	$\prod_{i=1}^{n}$						-	
5 —	-1.53	5.10	0.70	2	Silt & surl	Grey					٦	i		/	<b></b> -						
6 —			7.	f,		. :	sarly SILT	6.00	7/30	$\frac{2}{}$	3	4	-{					<del> </del>			
7 -								7.00	4/30	1	2	2	1	<u>                                     </u>						-	
			. :				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.CO	5/30	2	2	3					**.			-	
8 🗆	-4.83	8.40	3.30	$\mathcal{L}_{\tau}$	sardy silt	Grey						:	1								
9							to fine SAND	9.00	13/30	2	4	9	· · ·						U-2	9.10 9.65	
10-					:			10.00	13/30	2	5	8	<u>.</u> .	_					0-4		
				///				 11.00	12/30	3	5	7	· 	$\prod_{i=1}^{n}$						_	
$\dashv$	-7.78	11.35	2,95		sand with silt	Grey		10.00	10/30	3	4	6		1						1	
12		1				·		2 4			7		/	1						_	
13							1	13.00	7/30	3	3	4	$\dashv$	-							
14								14.00	7/30	2	3	4								1	
				7				15.00	8/30	2	4	4	1							_	
15-													7							_	
16-								16.00	7/30	3	3	4	+	-						_	
17-								17.00	9/30	3	4	5	}							<u>.</u>	
-						1		_ 18.00	7/30	2	3	4	- /			1 4		` '		_	
18-				/					(											1	1,4
19		,						. ::	7/30		3	4	+	<del> </del>							
20-						:		20.00	6/30	2	3	3	+	-							
21-			1			: .		<u>21.00</u>	8/30	3	3	5	1	<u> </u>							
٠-					,			22 M	8/30	ا		4								-	
22			,			,						11.	1	1	<b> </b>						
23								23.00	7/30	3	3	4		<del> </del>	ļ			<del> </del>		-	
24		1		Z,				24.00	9/30	3	4	5					- 1				5, f ,
-							stiff to stiff SILT with clay & fine	 25.00	9/30	3	4	5	4.0		.					_	1.11
25							sand		1											-	
26	'							26.00	8/30	$\begin{vmatrix} 3 \end{vmatrix}$	4	5	$\dashv$	_	-					<del>1    </del>	
27					, . ii			27.00	6/30	3	3	3	_				U1 1	2 10 1		_	•
-	.							_ 28.00	8/30	3	4	4					L			1	ļ. , ļ
28			1					29.00	100									1.5		_	
29			-		Sik with clay		# 1	-	1		4	ن	7							<u> </u>	197
30-	26.43	30.00	18.65		fine sand	Grey		30.00	8/30	3	3	5		<u>                                     </u>		1. 200.2					1591
	لسبسيا	ـــــا		<u> </u>			J	لسنا	ئـــــا	ш				ــــــــــــــــــــــــــــــــــــــ	L	<u>i</u>			أسلك		L · J

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

7.469 m

DATE OF INVESTIGATION 11 FEB '94

Khoruskul, Sadar, Cox"s Bazar BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -3.

-3.60 т

				11-6 (1)															r		
\	20 I I	ЬE	THICK-				DESCRIPTION	<b></b>						NETR	ATION	TES	<u>r                                     </u>	····	S <sub>i</sub>	MPI.I	NG
STAFF	CLU:- VATION	PTH	NESS	SECTION	Soil or Rock NAME	COLOR TONE	DESCRIPTION	Depth	N_ INTER	Num	of I eryl5	blova Km		NUM	BER O	E BFO	ws N		Sumple	Depth	Me-
111	m	111	m	(Graphic)	OF CLASSIFICATION	TONE	DESCRIPTION	nı	PENE	15	30	45	١,		0 3	1.	. 4	50 60	Ī .	m	theel
	***	-111		3000000		ļ				C.111	CIII		-	<u> </u>	ř	ř		<u> </u>	1-1-0-		
				***				1.00	9/30	A.	ı	5			İ		100		1.	-	
1					1		dense fine to	1	77.00			<u> </u>		<del> </del>	<del> </del> -				1 -		
-							med. SAND	2.00	14/30	4	7	7		$\setminus$					1	-	
2 -		-					with sift												1		
					sand with	Brown		3.00	7/30	2	3	4	/				+ 1,7			3.10	
3 —	4.10	3.10	3.10		silt	Grey													บ-1	3.65	
							#1 7 F	4.00	75/30	12	25	50		L	l			-	<u>  ~ ~ </u>		
4																					
5 —	İ				1			5.00	78/30	18	28	50			L			<u> </u>	ļ		
_	1 1	. '			1		artin is an i	 		'			<u> </u>		1	·	1	1	}		
6		:			1		very dense silty	6.00		21	50	13)	ows	for	llen			ļ			
Ĭ. <u>-</u>				···/·			fine to med.					١		L							
7 -							SAND with silt	7.00	<del> </del>	2.5	<u> </u>	131	DWS	for	12cm	<b> </b> -		<del> </del>		·	
-				Z			e e	800	63/3(	10	90	3 =			İ		1			<u> </u>	
8								10.00	00/31	TO	40	133	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>		- 1	
-			.	/				9.00	60/30	20	30	30					Į				
9	1.93	9.40	6.00	/	Sand	Crey			13.30	ĨΫ	H	۳			<del> </del>			<del>                                     </del>		_	* 1
ı								10.00	91/3(	25	41	50				-	· .			-	
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

7.322 m

DATE OF INVESTIGATION 13 FEB '94

Khornskul, Sadar, Cox's Bazar BOLING HOLE No.

DEPTH TO CROUND WATER LEVEL IN HOLE -3.

-3.10 m

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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

3.227 m

DATE OF INVESTIGATION 09 FEB '94

East Boro Bleola, Chokoria, Cox's Bazar

BOLING HOLE No.

11-7 (1)

DEPTH TO CROUND WATER LEVEL IN HOLE -1

-1.50 m

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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

2.969 m

DATE OF INVESTIGATION 09 FEB '94

East Boro Bheola, Chokoria, Cox's Bazar BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -1.75 m

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l^ _					322	-5.55-7.	modimin martic	L	1 :				1 .					:		<u></u>		
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4							high plastic	4.00	1/30	0	0	1		1						1.	. 1	
<b> </b> **			l '				CLAY						1	1				-			- 1	
l –	1		]		·	4 .	(very soft)	5.00	2/30	lol	1	ıl	ľ	]	1.			] .			]	
5	243	540	11.90		ckty	Crey	(101) 3011)		-				1		1		i				.	
			i					6.00	1120	١, ١	2	2	1 .		1 1	•		1	- 1	-	- 1	
6	}				4.1			0.00	4/30	.	-	-			<u> </u>	<u> </u>	ļ			<u> </u>	.	
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_		l					ages to a	7.00	5/30	2	2	3	1				1				- 1	
17 —	i				***		sardy CLAY						1		1	<u> </u>		1	_	-	1	
-				===				8.00	3/30	,	1	2	1 -	1						, F.		
8								0.00	10/30	1		-1	+	<del> </del>	<del> </del> -	<del>                                     </del>				-	·	
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9		<b>!</b>	1					9.00	5/30	2	2	3				<u> </u>	L		] :			
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10	ا ہے ہرا		مجنز		11			10.00	7/30	-	3	4			<b> </b>		-		u			
-	144	10.50	210	1	clay	Grey	1.0					$\rightarrow$		<b> </b> -	ļ			+-	u	. 10.	JU.	
11-			.				fine SAND,	11.00	15/30	3	7	8	<u> </u>	<u> </u>						· L.	. I	
11.	ĺ						some silt		-									Ţ	<b>-</b>		·	
-		الال	<u>.</u>		sand.		(medium dense)	10 m	25/30	6	12	12		Ι `				] :				
12-	920	12.25	1.75		some silt	Grey	1	12.00		Н	1.4	1	<del></del>		<del>                                     </del>		<del>                                     </del>	+	$\dashv$	-	.	
							) CT 431	<u> </u>		ا ٍ ا	ازرا	.		/	1		ļ		- L		-	
ار.				*********			sandy CLAY	13.00	10/30	3	4	6	1 :	/_	<u> </u>			1			.	
13-				•••••••			(medium stiff to	1			П		7	[				T	<b>-</b> ] .	. [	- 4	
	ا , , , , ا	أمدورا	10-			اما	still)	114 M	7/30	3	2	اہ			1		1					
14	1113	Triv	TY	3.33.53.53	sarrly clay	Crey		14.00	1730	H	•		$- \leftarrow$	<b></b>							.	
I <sup></sup> -								_	1			1	· \	1.	1		l		· .	_	- 1	
ا , ہے						1	medium plastic	15.00	10/30	3	4	6	•	L	l	l	J			· [	. !	•
15-							CLAY, trace									<u> </u>		$\neg$			`	
~							organic matter	16 M	เลงจก	9	Q	5	- 1				(			_	- {	
16	l		,				(still)	10.00	0/30	-	J	-		<u> </u>		<b> </b>				ŀ	- [	
							(этт)	_	}	1	2.0	. 2	· \	]	i		ł		- 1	L		
							late day	17.00	11/30	4	5	6.		<b>l</b>			1					
17-	1433	17.30	320		ckty	Grey			T .		-							T		. [	.	
-	} }	:						hà m	10/30	વ	5	5	12							-	- [	
10							lugh plastic	10.00	1000		-	-	11 1		<del></del>	<del></del> -					. [	
							CLAY, trace	L .	l des a			.		Ι.				1			- {	
19-	:-						organic matter	<u> 19.00</u>	6/30	2	3	3	$\mathcal{L}$	L		L		$\perp$		. L	. [	
لمرا			i. ,				(still)	1.					T	I	1 7	: .						
1 7	17.03	20m	2.70		clay	Gree	Y	20.00					l		1		]			20	and:	
20-					CHIY	9.01		120.00	5/30	9	3	3	$\dashv$			1	<b>-</b>	+	,,	2 20	※)	:
-						. :			1000	4	-			<del> </del> -		<del> </del>	<del> </del>		<u> </u>	40	-30	
21-							high plastic	21.00	7/30	2	3	4			<b> </b>	ļ	ļ	4	_			
~ ' _							CLAY	L	1				-I	1	1	1		1	ļ .	L	. [	
_ 7			'				(medium stiff	22.00	9/30	3	4	5	/			l	ŀ			Γ		
22~					. 1	1	(meunim still	==:-	<b> </b>	1	37			<b> </b>	1	<del> </del> -	77.5	+-	<b></b>   4		. [	
! ⊢							to still)		home	,	Į,			1	1					-		
23						Brownsh		<u> 23.00</u>	10/30	<u> </u>	5	5			<b> </b>			+			.	1
""_	20.53	23.50	350		clay	рхеу		L							1		i .		j			
1. 7								24.00	11/30	2	5	6		۱۱ ۱		•	<u>ا</u> ا	100		Γ		
24			11.					1	1	Ť	-			1		<b> </b>	<del> </del>	+-	$\dashv$	<b> </b>	- 1	
-					1		high plastic	H.	lama		_	ا را	1		1 .	1	1			-		
25						l.,		25.00	13/30	3	6	7	:"	100							. 1	
ردع						ligla	CLAY (stiff)	L		1				1			1	1			i	
			'				1. SE 1. OF	24 00	16/30	4	6	10		1	[ · ]	J. 11.			1-1-	. T.	1	:
26	23.53	3650	200		11	brown &		+ U.V.	<del> </del>	<del>                                     </del>		F		<b></b>	<del></del>				$\dashv$	-	.	
-	42.33		· ·······		clay	grey		<del> </del>				ارا	13	$\Gamma \Gamma$			[		4		- J	ŧ 1
27						y .	Lanta a Nation	27.00	14/30	3	5	2				<u></u>	[	$\perp$		L	. 1	
12.6							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Г							1	T				21 1
<b>—</b> 1	1 I						nsedium plastic	79 M	h 5/30	4	7	8			ļ ·			1			1	
-		•				] .	CLAY	40.00	1	Η-	Н	<del> - </del>		<b>├</b>	<del> </del>		-	+	$\dashv$	:   -	-	1000
28				, <del></del>	F ' '			-	L	L	. :	اےزا	- "	$\perp V$		i	: '	1.			. [	;
-							Z															
28 -							(very stiff)	22,00	10/30	5.	7	11	. 1	\			<u> </u>				.00	1
-						Light	(very still)				27.		. !		<del> </del>	<del>                                     </del>		+-	U		0.00 0.50	
28 - 29	<b>-27.</b> 0€	30.00	3.50		clay	Light grey	(very stiff)				7	11 10							υ		0.00 0.50	
28 -	<b>-27.</b> 00	30.00	350		clny	Light grey	(very stiff)		18/30		27.								U		).00 ).50	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

1.311 m

DATE OF INVESTIGATION 06 FEB '94

Badarkhali , Chokoria , Cox's Bazar

BOLING HOLE No. 11-8 (1) DEPTH TO GROUND WATER LEVEL IN HOLE

1.0 m

				11-8 (1)															7.3.		
			1	FIELI	OBSERVAT	IÖNAL 1	DESCRIPTION			<b>ST/</b>	מאו	AR	D PE	NETR	ATION	TES	r		Si	MPLI	NG
STAFF	ELE-	DE-	THICK	COLUMN	Soil or Rock NAME	l			N	Nure	of I	lovs									
	NOITE	PTH	NESS	SECTION Graphic	NAME OF	COLOR TONE	DESCRIPTION	Depth	INTER- PENE					NUM	BER O	F BLO	WS N		Sumple	Depth	Me-
m	111	<b>311</b>	111	Grapine	CLASSIFICATION	10112		m	PENE	LS cm	30 cm	45 cm	0 1	0 2	o . 3	0 4	0	50 60	No.	m	
										_				Γ	Ι			T			
	1							100	1/30	6	0	1	1	1 :					1	<del></del>	
1							medium plastic		1130	٧.	<u>~</u>		<b>†</b>		<del> </del>	<b></b>			1	<u> </u>	
							CLAY, trace	500					:			Į l				-	
2							organic matter	2.00	1/30	U.	Ü	1	<b></b>	ļ	ļ		<u> </u>	- <del> </del>	1	·	·
							(very still)	_	100	l .		٠.								L	1
ا دا								3.00	1/30	0	0	1	_ـــــــــــــــــــــــــــــــــــــ	<u> </u>					]		
3	2.19	3,50	3.50		clay	Grey							II					1	l i		
-							V.	4.00	1/30	0	0	1		1	1	1.0		1.	ŀ	r 1	
4	[ ]	1.								Ť	Ť		1					1			
-					· ·	l -		5.00	1/30	٦	0	1	'	1.1						- ]	
5	1						medium plastic		1750	۲	ř		<b>  •</b>	<del> </del> -	1	<b> </b>		╅┈──	} '	I	
-				====			CLAY	-	م ا	_	ا ٍ ا								· i	i	
6 -							(very stiff)	6.00	1/30	V	0	1.	ļ				ļ	<b></b>	<b>!</b>	<u> </u>	
_		. 1					(very sum)	<u></u>	·		1		11				. *			_	١.
7 🗀		1.	1.					7.00	1/30	0	0	1		L				<u> </u>			
l'	j ļ				1			L					П					1 .		L	
	]. ]				}	1		8.00	1/30	0	Ò	1	Ш				l	1	]		
8 -	7.19	8,50	5.00		clay	Crey				·			1	T	<u> </u>			1	l· i		
7	1						medium plastic	9.00	4/30	n	2	2	١١			[		1		r 1	
9							CLAY trace	ا ت	<del>-::-:</del>	۲	F	-	<b>                                     </b>	1		$\vdash$		1			H i
							sand (medium	1000	l	: 1	.,								100	10.00	i.
10-	الما	اسلا	أينيا			l	still)	TO:00		⊢	$\vdash$		-	-	ļ		<u> </u>	-		10.00	a
-	9.19	10.50	2.00		clay	Grey		1			1	2	4	L					U-1	10.50	
11-		- 1				l	sarrly CLAY,	11.00	8/30	2	3	5	/			النا		1.1.		<u> </u>	
	. [					1.1	medium plastic					-	1								
l. : 1		.		====			(medium stiff)	12:00	7/30	2	3	4								_	
12	11.19	12 50	2 00		clay	Crey				-				1		1		1	<b>)</b> '		
-	<del>''''</del>		2.00		<del>' - '</del>	5.67	fine SAND,	1300	15/30	2	6	9	`	N	1			1	1.0	<u> </u>	
13-	:	i	1.11		1		some sill	10.00	۳.30	<del> -</del> -		-	<del></del>	1				<del> </del>	{	├- I	· ·
-	ا ا	الليل			sani,some		(medium stiff)			ا , ا	ایا	7.0		\	1	1	ľ	.[		⊢ l	17.
14	12.69	14.00	1.50		sih	Grey		14.00	18/30	3	ខ	10	ļ	1			<u> </u>	<b> </b>		<u></u>	
^ ᠯ _		٠.			:	l '-		L		.			100				1	1		_	
		1.					samly CLAY	15.00	12/30	3	6	7	. i.e	$Z_{-}$		i		<u> </u>	i i	1	
15			10.0				medium plastic	,				- 11		1		[ -			! }		
1 7	. 1						(still)	16.00	13/30	3	6	8	11.7						•		100
16-			. 14							-		-		1				<b> </b>			
-	15.69	17 00	3 00		samly clay	Grey		7 00	16/30	2	7	9		$\Gamma \Lambda$						-	
17	****	11.00	5.00		3.42.7 42.7	3137		11.00		Ë	Ť	Ť		<b>—</b>				<del> </del>			
				===			1.5	- ~	6/30	١,	3	3	,					i .	,	-	
18-					5 G W				107.30	ļ			-4		<u> </u>				1	<u> </u>	
			1				medium plastic			,	ا ؞ ا	_	- 1							-	:
19	100						CLAY	19.00	5/30	1	2	3		ļ	L						
		-il			<b>'</b>		(nædinm plætic)	_			.1	[	-}	į .	'					ا تا	
آ ما		1.						20,00		L	Li					]	L	1		20.00	Ι.
20	100	T A			ł				4/30	1	2	2		1	<u> </u>		·			20.50	
-	19.69	21 00	100		clay	Grey		21 00	5/30	1	2	3	١	<del>                                     </del>				1			
21		2,,00	z100		<del></del>	<del>  ~~~/</del>		22.00	<u> </u>	<del>  -</del> -			<del>   </del>	$\vdash$	t		<del>                                     </del>	1			
-			1		]:	j :		00.00	6/30	۱ م	3	3	}	l				ļ		-	
22						l	sandy CLAY,	XX.00	0130	┝╧┈	3	<u></u>						+		<u> </u>	:
		į						L	<b> </b>	,		_								<u> </u>	
ا ـ و ا		44					mediam plastic (medium still)	23.00	5/30	1	2	3		ļ		ļ					
23							(meann sill)	L	l					1						<u> </u>	
		1.1				- 1		24.00	6/30	1	3	3				.				-	
24		1		00000000		11 mg 14		<u>-</u> -		-	~~		1	1				1		_	i .
-	23.69	ام ءو	امر ہے		sauly clay	Grey		 25.00	12/30	9	6	7	\			1     1		1		7.0	
25	23.03	20.00	2.00		went cray	GIEY		Z:3.UJ		-	-		2	1				<del> </del>		<u></u>	į
-		100					fine SAND,	-	37 000	ام		,,	:	\				1 : 1		<u> </u>	
26-		1	- 1				little silt	<u>26.00</u>	21/30	4	9	12		<u> </u>	-			1			
ا ا			10		sand,little	l	(medium dense)	_							<b>/</b>	t 144.	ļ., t.	1 .	l .	L i	
_	26.69	27.00	2.00		silt	Grey		27.00	19/30	5	9	10					L` `	<u> </u>			1
27														7							i .
-							high plastic	28.00	16/30	5	8	9							'	<b>┌</b>	
28		3.1					CLAY, trace	20.00		<del></del>								1		├	
-			14			ו		29,00	10/2/	4	ا م	10	- (	I : V				1		ا ا	
29-							(very still)	35'00	اداده	U.	2	70	<del>;</del>	<b>├</b>				<del> </del>	l	29.00	
"	12.3	14				Brownish	, 517 51111)	┡-		_	ايرا		. ; -		i i		1.77		U-3	29.50	ļ
ا م	28.69	30.00	3.00		clay	grey		30.00	18/30	5	8	9		$\sqcup \downarrow$				<b> </b>	- 1		
30										L							L				L
<del></del>																					

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

1,301 m

DATE OF INVESTIGATION 07 FEB '94

Badarkhuli, Chokoria, Cox's Bazar BOLING HOLE No. 11-8 (2)

DEPTH TO GROUND WATER LEVEL IN HOLE -1.0

-1.00 m

:			Ī	FIELL	OBSERVAT	IONAL 1	DESCRIPTION			SIA	ND	ΔR	O PE	netr	ATION	TES	r		S	MPLI	NG
STAFF	ELE-			COLUMN	Soil or Rock	COLOR		1		Num	of I	loro								, ,	
	KATION	LH	NESS	SECTION Craphic	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION	Depth	INTER- PENE	15	1715	×m		NUM	BER O	BI.O	WS N		Sample	Depth	hie- thod
311	m	m	m	murk /	CLASSIFICATION			m	PENE	eni	cnı	ĊIII	0 1	0 2	0 3	0 4	0 -5	0 60	No.	m	
·	]							_												L	
lı _		l ·						1.00	1/30	0	0	1		* :		·			Į	L ,	
_		1	1			: '	Medium plastic CLAY			ا ا				1	1			1	]		)
2 -	Į	Ì					CLAY trace decomposed	2.00	1/30	0	0	1	<b> </b>	ļ						_	
١ _		•					wood														
3	1.70	3.00	3.00		clay	Grey	(very soft)	3.00	1//30		0	1	<b></b>							_	
_	]							4.00	7,000	ایرا	ا ً ا				]		]			L	
4		:				:		4.00	1/30	U.	0	1	<b> </b>		ļ		<u> </u>			<u> </u>	
_					1			E 00	3 /20	_	_	,				l .	- 4.	100		-	
5	{						1	5.00	1/30	-	0	1	<del> </del>	<del> </del>	<del> </del> -	ļ	ļ	<del> </del>			
		]						6.00	2/30	٨	٨	1		1				1		-	
6							4.4.5	0.00	2/30	<u></u>			<b></b>							<u></u> - i	
_			•		1			7.00	3/20	۸	٠.		И		2.11					-	
7	( (							7.00	1/30	Н		1	<del> </del>		<del> </del>	-		<del> </del>	{	·	
-								8.00	2/30	ام	1	1		ļ			1			<b>⊢</b> ∣	[ ]
8		· .						0.00		⊢	1	+	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>				<b>⊢</b>	
-						-		9.00	3/30	0	1	2		ļ.				]	l ·	├	
19 🗔							Medium plastic CLAY	55	<del>                                     </del>	H	H	F	+	<del></del>	<del> </del>	<del>                                     </del>		<del> </del>	{ ·		
	8.70	10.00	7.00		clay	Grey	(very soft)	10.00	7/30				\ ·	1	l	]		100	1	-	
10-			1.00	\$100 miles						1	3	4	1		<del>                                     </del>		<b></b>		<b>,</b>	10.50	•
				******			Sarrly CLAY	11.00	6/30	1.	3	3			_				U	11.00	
11-	10.20	11.50	1.50		sandy clay	Grey	Sarrly CLAY (medium stiff)						-					<b></b>			
								12.00	13/30	3	6	7		$\setminus$		l			·		·
12					sand,some		Fine SAND,		100										1		ı İ
13-	11.70	13.00	1.50		silt	Grey	( medium dense)	13.00	15/30	3	6	9		$\sqcup$	Ĺ	L				<u>:</u>	
13 -	}					11.775	e t clay	7 4					5.0				1				
14						1	Saraly CLAY medium plastic	14.00	9/30	3	4	5			<u> </u>		L				
l * _	13.20	14.50	1.50		sandy clay	Grey	(still)			1.											
15-			1.			3.44	Fine SAND,&	15.00	10/30	2	4	6			<u> </u>	<u> </u>					
	<b></b> .				sand,&		SILT	_						<b>)</b> .	1			1		_	
16-	14.70	16.00	1.50		silt	Grey	(loose)	16.00	10/30	2	4	6								L	
_									2/20					]	1			111		- 1	
17-			1.			1.0		17.00	1130	3.	3	4			ļ			1 1			1 6
-					] '			18.00	4/30	l	2	2	$M_{\odot}$	]	1			]	]	-	
18			·			1		18.00	06.46	H	-	-	<del>                                     </del>			<u> </u>				-	J. 5.
							1.5	19.00	5/30	1	2	3								-	
19-						1.1		13.00	0.00			-	-	<u> </u>						-	
								20.00	4/30							1.				20.00	
20-	-					1 1		£0,00		ī	2	2	-{-	<b> </b> -		<del></del>			U-2	20.50	- 1
							Medium plastic CLAY	21.00	5/30	î	2	3		1, 111	<b> </b>					20.00	
21-	20.20	21.50	5.50		clay	Grey	(nedaun stiff)	22.00		Н	Н		-+-	<del>                                     </del>	<del> </del> -	<del>                                     </del>	1	<del> </del>	(		
								22.00	7/30	2	3	4							'	  -	
22											7.	11.5	1			<del>                                     </del>	- 7.			I	
_						:		23.00	8/30	2	4	4	$  \cdot  $	}. · ` `			10			-	
23~		, I			44 17 4				3 2 2 2	М	7		-		<del> </del>	<b> </b>			(		1
ار ا	j		.				Medhun plastic	24.00	5/30	1	2	3			1					r l	
24							CLAY, truce sard (medium stiff)						1	Ī					1		
[ ]	24.20	25.50	4.00		clay	Crey	(mediun stiff)	25.00	7/30	2	3	4					<u> </u>				
25																		5.3		<u> </u>	r. I
26						10	Eine SAND	26.00	22/30	4	8	14	<u> </u>			ļ			[	<u> </u>	
					sand, little	Light	Fine SAND, little silt, ( (nædium dense)		0010					• • •		*		· · -	•	L.	
27	25.70	27.00	1.50		silt	Crey	( (medium dense)	27.00	20/30	4	9	11			<u> </u>	111	L			L	
~' _											.	_	1	/	1	1	' '		' '	<u> </u>	
28-								28.00	9/30	2	4	5		<u>K</u>	ļ	<u> </u>	<u> </u>		l	ļ I	
~~ _								_	10/00	4.1	ارا	-	1 - 1				1			L l	
29						1	Sandy CLAV	<u> 29.00</u>	10/30	4	5	5	ļ	<b>_</b>	<b> </b>				:		je je
1 -1	امه وو	30 00	2.00			Light Grey	Sandy CLAY medium plastic	_	13/20		5			Λ	ì · ·	1	1			29.50	
30-	28.70	90.00	3.00	14000000	surly clay	Grey	(still)	30.00	11/30	4	٦	6		<b> </b>		<u> </u>			U-3	30.00	
لـــــا	i!			; ·	1	l		I	1 1		1	1	1 .	I ' '	I	I .	Land	1	1		ri e

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

LEVEL IN HOLE

DATE OF INVESTIGATION 06 FEB '94

Chiringa, Cokoria, Cox's Bazar BOLING HOLE No.

<u>11-9</u> (1)

DEPTH TO CROUND WATER

-1.60 m

3,225 m

				PERT	oneen u.c	LANDAT T	PECDINEION			cri	NID	A 123	D DE	NETR	VEION	TEC	Т		6	MPLI	NC ·
	ELE-	DE-	TIUCK-		Soil or Rock	IONAL I	DESCRIPTION		N	Num			D PE	NETR	THON	1123	1 .		31	WILL	<u> </u>
STAFF	NATION			SECTION	NAME	COLOR TONE	DESCRIPTION	Depth	INTER.	Evi	ryl5	cm		NUM	ER O	BLO.	ws n		Sumple	Dopth	Mo-
m	m	m	m	l/Grantic \	OF CLASSIFICATION	TONE	Discilli Tron	nt	PENE C111	15	30	45	0 1	0 2	0 3	0 4	0 5	0 60	No.	m	thed
311	-::-	111	131	- INGK >	CECOTTEXTION			311	C111		CITI				· · · · ·		ĭ	,		<del></del> -	
		- 1					medimu plastic	7.00	2420		,									<u>-</u>	
1							CLAY (soft to	1.00	3/30	_	1	2		ļ	<u> </u>						
-						light	medinni stiff)	2.00	<b> </b>	١.			1						1		
2	0.86	. 40	0.40			lua ova		2.00	5/30	1	2	3		<del> </del>					ł		
	0.00	2.40	2.40		clay	& grey							1	•						- 4	ĺĺ
3							medium plastic	3.00	3/30	1	2	3		ļ			<b> </b>	ļ	}		
_			•				CLAY,trace							ĺ					ļ	-	
4. —	]				clay base		sand (soft)	4.00	2/30	1	1	1	4	ļ		·	ļ			<u> </u>	
	1.19	4.40	2.00	5500.000000	sand	Crey	<u> </u>	7			4							1		- 1	
5							fine sand, some	5.00	9/30	2	4	5									
							silt (loose to	<u>.</u>					,	1						_	
6				A			medium dense)	6.00	11/30	14	5	6		<b>A</b>				ļ			,
٠			1											П						L.	
7					surl,some	Light	100 100	7.00	11/30	1	5	6									
1	$\frac{4.03}{1}$	7.30	2.90	*******	silt	grey														L	i l
ຸ້		.			. i		fine SAND,	8.00	23/30	8	11	12	L	L_`	<b>.</b>		<u> </u>		]	L I	
8 —							some silt				[ <u> </u>	П		1	7				'	L :	
_ ٦	.				sand, some		(medium derse)	9.00	20/30	7	10	10			V				j ,		
9 —	6.25	9.50	2.20		sili	Grey				Г								Ī			
	<u> </u>	2.52				/	fine SAND,	10.00		}							j			10.00	
10-							some silt			10	14	17		<del>                                     </del>	/				U-1	10.50	
-	- : <u> </u>		1 .		sand,some		(medium dense		28/30			17	<u> </u>	<del> </del>							
11	7.99	11.25	1.75		silt	Grey	to dense)	11.00	20.00	Ť		-		<del> </del>	-					<u> </u>	
-			, i				2011.1	1200	39/30	15	١o	20	,							-	
12							fine SAND, little	12.00	3.700	-	<del> `</del> -	-	-	<del> </del>	<del> </del>	<b>→</b>	-			_	1 1
							silt (medium dense to dense	3200	2027		l۵	15			١.					<b>-</b>	
13-	1.0	:					tierbe to derbe	10.00	27700	-						_	<del> </del> -			├ <b>-</b> .	
-			1		sand, little	Light		30.00	14/30	ha	21	23	1		}			7.1	Į	-	1 1
14	11 25	14 40	3 15		silt	grey		14.00	11110		21	23					Pr-		1.	<del>-</del> -	
			0,10			22.	C C131D	īc 🗥	12/30	l na		วา		,						⊢	
15-					4.		fine SAND, trace silt	15.00	1230	10		21					/		1 (	· · .	
_						Light	(dense)	- 00	35/30	.,		3.0				/	1	i	1	-	
16	12.75	10.00	1.00		silt	grey	fine SAND,	16.00	DONGU	, ·		10		-	<u> </u>		<u> </u>	-		-	
· :		'					some silt, trace	- 00	17/20		ا	_			/					-	
17-							decomposed	17.00	17730	D	υ	9		<b>-</b>			<u> </u> -				i I
_	}				sami,some		wood	_			_									- 1	
18	14.90	18.25	2.25		silt	Grey	(medium dense)	18.00	11/30	4	3	6		/_				-			
							0.000	-							-	1				-	
19			٠				fine SAND, trace silt	19.00	57/30	23	21	30						-		-	
Ť.,				*****			,	_					1								
20-	3.3%						dense)	20.00	13.500	<u> </u>	<u> </u>	إيبا	<u> </u>	<b></b>	<b> </b> -	<b></b>	-/		1	ا مورجو ا	
					saixi,trace			2.2	11/30	13	21	20		<u> </u>	ļ	L	<u> </u>	ļ		20.50	
21	17,75	21.00	2,75	1000000000	silt	етсу	12 14 1 1	21,00	132/30	12	16	16	ļ	<u> </u>	<u> </u>			<u> </u>	U-2	21.00	
~-							fine SAND,	ļ.								<b>y</b> :		1		<b>⊢</b> ∣	
22			1		100		little silt	22.00	28/30	10	13	15	ļ		1	L	ļ		Į ,	ا بسبا	
~~						-	(medium dense	L			<u>.</u> .		'				'		]	L	
23-			: •				to derse)	23.00	29/30	11	14	15									
			8.2		sand, little				1.0		٠.,				I. '			1		_	
04	20.75	24.00	3.00	2.32.00.00	silt	Grey		24,00	32/30	14	16	16	<u> </u>	ļ				<u> </u>		ļ i	.
24						[ ] H	high plastic	_	100					]						<u> </u>	
0.7			194				CLAY (stiff)	25,00	13/30	4	7	6			<u> </u>	<u>L.</u>	L			L_	
25	22.15	25.40	1.40		clay	Grey		L T						<i>[</i>					13.1		
06-		. :					mediam plastic	26.00	11/30	4	5	6		1/						L_	
26							CLAY, trace							1		. 1					
		1.			clay,trace		sand(still)	27.00	13/30	4	6	7		$\Box$			<u> </u>				į
27	24.25	27,50	2.10		sand	Grey			1		1		7 -					1			
								28.00	18/30	7	8	10	ļ.	$\lfloor \rfloor$	-			<u> </u> :		[	
28		.					L		, .					1					]		
							high plastic CLAY	<u>29.00</u>												29.00	
29			100			Light	(very stiff)	17 47	20/30	п	10	10					<b> </b>		U-3	29.50	
-	26.75	30.00	2,50		clay	grey	, , , , , , , , , , , , , , , , , , , ,	30 00	19/30	6	9	10			<u> </u>	v ·	1				
30-		-139						33.33		1	<u> </u>					-			1.	<u> </u>	
						1					F								4	1. Carrier	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

11-9 (2)

GROUND ELEVATION

3.353 m

DATE OF INVESTIGATION 07 FEB '94

Chirinea, Chokoria, Cox's Bazar BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -1.

-1.70 m

	~~~~			11-8 (2)		<del></del>							<u>-</u>								
Γ		l	Γ	FIELD	OUSERVAT	ONAL I	ESCRIPTION			STA	ND	ARI	D. PE	NETR	TION	TES	Γ		S/	MPLI	NG
	ELE-	DE-	тиск-		Soil or Rock			}	N	Num	of I	bans			-						
STAFF	NATION	PTH	NESS	I SECITON	NAME	COLOR TONE	DESCRIPTION	Depth	INTER-		ηl	ra y		NUME	ER OF	BLQ'	WS N		Sumple	Depth	
-	l {			Graphic)	OF CLASSIFICATION	TONE	DESCRITTION		PENE		30	45		_					1		thod
111	111	311	m	(murk /	CLASSIFICATION	1		m	CIII	cm	cm	cm	0 1	0 2	) 3	) 4	0 5	0 . 60	No.	m	
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=	i 1		İ.		4 1			1.00	4/30	9	9	9								r	
1			,				medium plastic					-	₹	<del>,</del> -					1	├	
	i j						CLAY (	L					- A -								
							CLAY (medium	2.00	8/30	3	4	4	. A.					l· ·			
2 -						Liglu	stiff)	<b></b>											1		
1 -4						-		L			. 1	.	- [			:			1	~	
10	i					blown		3.00	4/30	2	2	2			•				<u> </u>	Ŀ. I	
3 -	0.05	3.40	3.40		clay	& grey			i				1				1		]		
-								4.00	3/30		1	2	- 1								
4 -	l i	i ' '				F 1	medium plastic	7.00	3/30	1	1	4	·						1.	<b>-</b> :	
1	}		1.5		1.0		CLAY(soft)	Li -	100				1 1	' . '		1 1	1		1		ŀ
	1.65	5.00	1.60		clay	Grey	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.00	2/30	า	ì	1	1			. '	١.		1.		1
5 —		9,1,0,2				520,	sandy CLAY	-		_			1					t	1 .		100
	!	l			clay with		CENTY CENT	J	1				1				l		ł	<b>-</b> 1	
l	2.85	6 20	1.00		sand	Grey	(medium stiff)	6.00	5/30	2	2	3				'	Ĺ	L	]	L I	
U	2.0.7	11.20	1.2	Y -y- 3   P	STURE	Gley		{					1				"		1		
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7 <b>-</b>		}	Ι΄.		1	١.	SILT (loose)	1,,00	7/30	4	3	1	-	ļ			<b> </b> -		-	⊢	
ا ا	[		ĺ	WHEE	<b>[</b>	1		L	[ .	[		[ . [			1 2 2	. ,	ĺ	[		L I	ĺ
	4.75	6.16	ի օո	※注意	sand & silt	Grey	4 5	8.00	7/30	2	3	4							1		
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9		l	1				- ,	9.00	18/30	6	13	10			9 4	1 1 1		ļ	1	ļ <u>.                                    </u>	
	. 1		' -					l'.	[ ·						<u> </u>	·				9.50	
7			7.	·*****				10.00		1.,								1	<b>U-1</b>	10.00	
10-	i i				1				36/3	1.5	17	20				<del></del>		<b></b> -	0-1	10.00	
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11		l	ļ	}::::::::::::::::::::::::::::::::::::	1		fine SAND,								1				1 : : !	[—	1.1
-					1		some silt	H	ho	ļ, <u> </u>		ا ـ . ا		]	\			1	l ' '	├-	
12					1		(medium dense	12.00	89/30	12	14	19						L	1		
12		1.5	i			ļ	to dense)		10.00						-/				1		
7		•					1.5 11.51.50	13 W	21/30	חמו	30	ונו	1.	ĺ	/	: :				<b>i</b>	
13			i .	[			,	12.00		1-7	۲,		1		1	ļ	<del> </del>		1	<del> </del>	
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ا ۱		Ì	1	 				14.00	19/30	7	9	10		[ :: <i>]</i>	100	27.14		l. *		1	•
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15-	11.75	15.10	7.00	<u> ::::</u> ::::::	silt	Crey .		<u> </u>	33/3(	14	ΥÞ	17				<u> </u>		<u> </u>	J.	L	
1,0							medium plastic	]										i			
j Ti					] .	+1 +	CLAY, trace	lis on	6/30	2	3	3	:						1	r	
16-					1		decomposed	1-0.00		F	<u> </u>	$\vdash$	-	-	<del></del>		<del> </del>	<b></b> -	1	<b>⊢</b>	1
1 _					4 '		wood (medium	⊢					: . <b>\</b>							⊢⊢	
1,	13.65	17.00	<u>1.</u> 90		clay	Crey	stiff)	17.00	12/30	3	5	7		N. El			1		1 1		
17			· · ·		<u> </u>		fine SAND little	ļ						-				Ī	1	<u> </u>	
1 -		4	100				sit (medium	<u> </u>	40.00	١. ـ		امما			1000	-			1	- 1	ļ .
18					swil, little		dense to dense)	18.00	18/30	10	20	28		<u> </u>			_		]	انسا	
1.0	15.15	18.50	1.50		silt	Grey	, , , , , , , , , , , , , , , , , , , ,		]	11.1	٠.		1111	4,7	1 11	-		1 '			
7				1 THE			fine SAND &	19/00	15/30	1	6	9			ښسيا			]		Г	
19	16.15	10 50	مماتا				SILT (med dense)	1-7.00	<del></del>	H	H	$\vdash$		~			<b></b> -		1	اءما	
-	10.19	13.30	1.00	Contraction of the second	sand & silt	Grey		<b> </b>	,		11		11.					1 :		19.50	
100-					I '''	]		20.00			4		1.	l ·					U-2	20.00	) ·
20				[.::::::::::::::::::::::::::::::::::::	1	·			17/30	18	22	25	1					7			
1 -		[					fine sant, some	01.00								<b></b>	$\rightarrow$	<del>                                     </del>	1	<b>-</b>	1.0
21-		İ					une sant, some	121.00	POISE	14	10	۷.۷	تنب	<u> </u>			<u> </u>		1	<b> </b> -	1. 11
الـ ` ا		.		· · · · · · · · · · · · · · ·	1		silt (medimn	<u>L</u>	1				1		Ι .	$\vdash L$		5.55		L i	
I	j	.		*********	1		dense to dense	22.00	35/30	12	16	19	1 1	1		f					
22		]	1	:::::::::::::::::::::::::::::::::::::	sand, some			1	<del>                                     </del>			$\vdash$	3 7 7			<b>-</b>	<del> </del>	<b>—</b>	1	<del> </del>	
	19.45	22.80	3.30		silt	Grey		H		:	35	20		1				l	]	<b> </b>	
23-			12.22	<u> </u>	314	37.57		<u> 23.00</u>	14/30	4	5	2	<u> </u>						}	<u> </u>	
43 ]			•				1.		-					17		1 7					
"							higt plastic	24 00	11/30	5	5	6	100	1					14.5%	<b>-</b>	
24				<u>-</u>	i ·		CLAY (stiff)	47,00			-	-		4			<del> </del>		1	<u> </u>	4.5
_					1			H .	1.	10 fb		21.0	100	[ ]	í.			2.		<u> </u>	•
الما				<del></del>	]			25.00	13/30	3	6	7	100	1				l	1.	l i	
25	22.15	25.50	2.70		clay	Grey			100		T		gs 197	7		7 77	· · · · · · · · · · · · · · · · · · ·	17		<b>-</b>	
-		20,40	F···		VA.1	0107		t	11100		_	ا برا	F. 18	[ ]	N 19				Line	-	
26	} <u> </u>	1			1		1. 1. 1. 1.	<u> 26,00</u>	11/30	3	5	6	1.201	4					]	L:	35.5
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ı			l				100	97 00	10/30	3	5	6	10.0	V ital		13.7		1 1 1	1:	r :	
27		].	1	<b></b>	]				<del> `</del>	<u> </u>		┝┷┤					<del> </del>	<del></del>	1	├- :	
-					1		medium plastic		L					N .				L safe		L	
					]	. :	CLAY (stiff)	28.00	11/30	3	5	6		N i		100	1 :: ::		1:		
28-		l	• •		<b>!</b> !		:"				74 4			1					1		
-			]		<b>,</b>		A Company of the Company	<del> -</del>	1	1	$M_{\rm eff}$		81	<b>[]</b> -			}	100		<b>.</b> .	
29-			1		]			22.00	-			لنا		14			L		]	29.00	
49			1	<u> </u>		light	1.5	4	12/30		.6.	6	5,5	II	l				U-9	29.50	
"	26,65	30.00	4.50		clay	grey		90 00	14/3(	4	6	8		7		ele. e	<u> </u>				
30-	1000	30.00	1	<b></b>	· ····	Ric)	<del></del>	134.46	1	<b>├</b> ∸	<u> </u> —			سئنا	<del> </del> -	<del> </del>	<del> </del>		4 11		+.
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

5.616 m

DATE OF INVESTIGATION 07 FEB '94

Patakarkal , Rann , Cox's Bazar

BOLING HOLE No. 11:10 (1)

DEPTH TO GROUND WATER LEVEL IN HOLE -2 -2.50 m

	<u> </u>			FIELD	OBSERVAT	IONAL 1	RECRIPTION	Γ_	· : .	STA	IND	AR	D. PE	NTRA'	ΓΙΟΝ	TEST			S.	AMPLI	NC .
STAFF	ELE-	DE-	THICK-	COLUMN	Soil or Rock NAME OF CLASSIFICATION	COLOR			N.	Nur Ev	ol	lovo		NUMBER	en ai	F BLO	DIC N		e	Depth	Me-
1.5			 	(Graphic)	OF	COLOR TONE	DESCRIPTION	Depth	PENE	15	30 em	15							1		thed
m	m	311	m	( mark /	CEASSIFICATION	<u> </u>	soft SUT with	111	CIH	cm	c.n	cni	0	0 2	0 3	0 4 	0 :	60 60	No.	<u>. m</u>	
			1.77				soft SILT with fine sand trace cky & oxidies filling	1.00	4/30	3	2	2								-	
1	4.22	1.40	1.40		silt	Grey	filling						7	7							
2_			+ .5					2.00	2/30	1	1	1	<b>/</b>			<u> </u>	<u> </u>		ļ		
-		<u> </u>				}	]	- 00		١, ١		١, ١	1			]	) ·		] .	-	1
3						]		3.00	3/30	1.	<u>2</u>	-	<del>                                     </del>						1	<u> </u> -	
-						·	soft SILT with	4.00	2/30	1	1	1								L10	
4 -							clay trace fine						1						U-1	4.65	1 i
5 —	, ,						sand	5.00	3/30	1	1	2	1				ļ	<u> </u>			
									4100	٦										<u> -</u>	
6 -							1	6.00	4/30	2	2	2	-			<del> </del> -		$\vdash$		6.10	
_								7.00	3/30	1	1	2				] .			0-2	<u> 6.65</u>	
7					4. 4	: '						Г									].
8					fine sand			8.00	4/30	1	2	2	$\sqcup \downarrow$	<u> </u>		ļ	<u> </u>	<u> </u>			
-	2.78	0.40	1.00		with clay	Grey	<b> </b>	000	28/30	,	6	20	\					1		-	
9 —								2.00	20/30	Ü	3	<u>40</u>		<del> </del>	7			-			
-								10.00	30/30	6	10	20			.: /				:	-	
10-									: -	1.			<u> </u>					1 1			
11-				/				11.00	40/30	8	15	25					<u> </u>				
-				//				12.00	45/30	3.0	26	99					<b>\</b>	÷		-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
12				///				12.00	72/30	10	20	22					1				7
_								13.00	64/30	20	31	33	:					```			
13	İ	:		/			dense to dense & very dense						: '								
14			-				med to fine	14.00	90/30	14	40	50					<b> </b>		:		İ
-		ľ	1				SAND with silt	โรก	88/30	15	30	10		-		}	\ . · ·			-	7.
15-			1 .					10.00	00100	1	_	-				<b> </b>		<u> </u>		_	
1,4			1					16.00	81/30	16	31	50	<u> </u>			<u> </u>					
16-			1.4					_												_	
17			1.75				. ·	17.00	<u> </u>	31	50	=	Blow	for	12сп	_					
-								18.00		30	50		Blow	for	14cm	"					
18-												-								_	.
19-						·		19.00		18	<u>50</u>	_	Blow	for	13cm						.
			* 1 7 0								۰				,		İ	,	,	-	
20-	14.38	20.00	11.60		fine sand	Grey		20.00	<u> </u>	20	150	=	Blow	for	14cm		<del> </del>		,	<u> </u>	:
-				,1				21.00		1			L	L			<u>L</u>			_	
21																			: .	[_	
22-	•				: " - "			22.00		<u> </u>	-	<u> </u>	ļ	<b> </b> _	ļ	<u> </u>	<u> </u>	<b></b>			
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24						111													-	L	
25			114	•				<u>25.00</u>	ļ						<u> </u>	ļ		-		<u> </u>	
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30			1 4 4	<u> </u>	<u> </u>	<u> </u>	<u> </u>			L	<u>.                                    </u>	<u> </u>	<u> </u>	L	<u> </u>	<u></u>	<u></u>	<u> </u>	<u> </u>	<u> </u>	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

CROUND ELEVATION

5.586 m

DATE OF INVESTIGATION 10 FEB '94

Patakarkul, Ranwi, Cox<sup>4</sup>s Bazar BOLING HOLE No. 11-10 (2)

DEPTH TO GROUND WATER LEVEL IN HOLE -2.55

-2.55 m

				11-10 (2	)																
:							DESCRIPTION						D PE	NETR/	VION	TES	r		S/	MPLI	NG
STAFF	ELE- NATION 111	DE- PTH m	NESS 111	COLUMN SECTION (Graphic mark	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION	Depth 111	INTER PENE CM	Num Eve 15 cm	of 1 1715 30 cm	kore rin 45 rn	0 1	NUME 0 2	ER OF	BLO 0 4	1.0	io 60		Depth m	Me- thod
1		1.40	2.40		silt with fine sand	Crey	soft SILT with fine sand	1.00	4/30		2									1	
2 —	4.19	1,40	1.40			Giey	soft SILT with	2.00	2/30	1	1	1	-				-			1.1	
3 —	2.39	3.20	1.80		silt with fine sarel	Grey			2/30	1	1	1	1							1	
4					. :		stiff clayey SILT trace fire		5/30			3	}						U-1	4.10 -4.65	
5 — -		:			clayey silt		sard	5.00 6.00	3/30 4/30		1 2	2									
6 -	uwi	6.40	3.20		with sand	Grey			8/30		3		1							 7.10	
7 — 8 —	276	R 35	1.95		sandy silt	Grey	stiff SILT with clay trace fine sand	8,00	7/30		3	4							U-2	7.65	
9	-4114	J. (3)	1.50		MERLY SIII	GICY	dense sury tine	9.00	32/30	14	16	16				7					
10-	-4.71	10.30	1.95		fine sand	Grey	SAND	10.00								<del>\</del>				]	
11-				$\mathcal{J}$					36/30							7				 	
12 -			14 1						34/30 64/30							4	7	-,,		_	
13-		÷		1		·. · ·	to fine SAND		74/30											_	æ
14	. 11	:					with silt	15.00	89/30	28	39	50						· .		-	
16-								16.00	91/30	30	41	50	<u> </u>							_	
17					fine sand				95/30												
18-	12.41	18.00	7.70		with silt	Grey		18.00 19.00		40	50	_	Blow	for	15cm					_	
19								20.00												1	
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22-						A 18		 22.00										<u> </u>		- -	
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24								<u>24.00</u>					1	1.						-	
25 -			:					25.00 26.00		-										_	
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27-		. 1.		2 1				28.00	1.												
29			:					<u>29.00</u>								s.1		_		_	
30		-	:					30.00			_		. : -		<b> </b>			<u> </u>		<del>-</del>	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

CROUND ELEVATION

7.177 m

DATE OF INVESTIGATION 11 FEB '94

Jalianno, Ukhia, Cox's Brzzar BOLING HOLE No.

[[-]1 (1)

DEPTH TO CROUND WATER LEVEL IN HOLE -2.10 m

				[[-]] (	**																
			Γ	FIELD	OBSERVAT	IONAL I	ESCRIPTION	·		STA	ND	AR	O PER	VETR	TION	TES	r		S	AMPLI	NG
STAFF	CLE-	DE-	TIDCK-					<del> </del>			-	_								J	
PIVE	KATION	PTH		SECTION	Soil or Rock NAME	COLOR TONE	DESCRIPTION	Depth	INTER	Num Ev	ryl5	CETA			BER OF	Br'O.	ws n		Sumple	Depth	Me- tbod
			l	(Graphic)	OF CLASSIFICATION	TONE		m	PENE	15	30	45	0 1	0 . 2	0 3	n s	0 5	60 60	No.	m	theu
m	111	311	m	Commercial Commercial	CLASSIFICATION			m	CHI	cm	CIL	cm	0 1	0 2	·		<del>~</del>	1	1		
			٠,				loose fine SAND	Ļ.,			7.				i ,				1	<b> -</b>	·
lı					fine sand	i	with silt	1.00	9/30	4,	4	5					ļ	<u> </u>	1 .		
-	5.78	1.40	1.40	$Z = \cdots$	withsik	Crey	. 100				١,		1	· ·					1 24	L	
	1		٠٠.	//			very stiff SILT	2.00	15/30	5	7	8			l i		l	Į		2.10	
2	1			-7-			with ckey trace							-				1	Ul	2.65	
-		0.00	ا م د ا	<i>z</i> ;====	, ,	C	fine sand	3.00	17/30	5	8	9	100	I 1.			2.1				
3	410	3.00	1.00	-	sit clayson	Grey		3,00	11/30	-	-	_		·					ł		
1 _	<u>'</u>		\	******			\	L.	1	\	. '		[		\		}	1	1	<u> </u>	
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4				/ / /	l	!							1				l	·	U-2	4.65	
-			•					5.00	9/30	3	4	5	. N						<u> </u>		
5	i			7				13,5	1	ΙŤ	<u> </u>	Ť	1					<del> </del> -	1 :		
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6							stiff to very stiff	6.00	10/30	4	4	6			ļ			ļ			
_ ا	] ;						& hard SILT	L					·/I		i			ĺ			
							with chy & fine	7.00	6/30	3	3	3	L. Z.J					<u> </u>	]		
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-			l		] <. · ·	<b> </b>		8.00	6/30	2	3	3								Γ	
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	4.32	11.50	8.50		& fine soul	Grey						1.			1 1		1 1 2	V 1			
120			4	- X				12.00	27/30	13	13	14						<u> </u>			
12	]		- ·	//			very stiff fine sandy SILT			1	1						i '	1		L	:
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13-	.5 22	15.30	1.90		sarrly silt	Grey	trace clay	10.00		==					٩		-	-	1 :	-	
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14	ļ	l '					land sardy SILT	14.00	32/30	111	ŤΩ	10				4		<del> </del>	ł :		
^~~				/			trace gravel	L								$\{\lambda_i\}$	ł	1 .		-	
l							-	15.00	37/30	10	17	20	i	<u>:</u>			<u> </u>	<u> </u>	] :		
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16-	1	٠,					dense very fine	10.00	3,100	1==		-				-	t	<del> </del>	1		
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1.	10.32	17.50	2.20		saud with silt	Grey		<u> </u>		1			1 1				`	<b>-</b>		_ :	
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-				gerrer.			SILT trace	<del> </del>	1	1				۔ ا	[	l .'				<b>⊢</b> ∣	
20-					1	}	gavel	20.00		25	50	<u> -</u>	Blovs	for !	cm	<u> </u>		<u> </u>	1	L	
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

7.115 m

DATE OF INVESTIGATION 11 FEB '94

Jaliaparo , Ukhia , Cox's Bazar BOLING HOLE No. 11-11 (2)

DEPTH TO GROUND WATER LEVEL IN HOLE

-2.30 m

				11-11 (2																	
	[]		:			ONAL I	ESCRIPTION						D PE	NETIV	LION	TES	r		S	MPLI	NG
STAFF	ELE-	PTH	HESS	COLUMN	Soil or Rock NAME OF	COLOR TONE	DESCRIPTION	Depth	INTER.	Nuire Ev	of l	cm cm		NUME	ER O	BLO	ws N		Sumple	Depth	Me-
1	i I	m	m	(Graphic )	OF CLASSIFICATION	TONE	DESCRIPTION	111 Debru	PENE				0 1	0 2	0 3	1.00		50 60	'	m	thod
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-							still fire sortly SILT	1.00	930	3	4	5								_	
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2 -							verystifftostiff	2.00	16/30	5	7	9					<u> </u>	<u> </u>		2.10	
_						•	SILT with fine to	000											U-1	2.65	
3	4.12	3.00	1.60		clay sand	Grey	મહતુ શના જુ હોય	3.00	10/30	3	4	6		/				-		-	
-					.			4.00	8/30	\ \ <sub>2</sub>	4	4	- /			1.	<b>j</b>				
4 —				/			SOUTHER MALLERY	7,00	330	۳		-	+					<del> </del>	┨ ・	<b>-</b> ·	
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le	0.82	6,30	3.30		sichysori	Grey		L						1 .						_	
7								7.00	6/30	2	3	3	4								
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19 -			İ			: 1	trace fine sant & organic nation		Γ -				•								
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10-		.		1/-				L						$  \top  $							
11-	4.22	11 20	ار ا	4	stiff silt clay fac sand	Grey		11.00	19/30	6	7	12				1. 1.		<u> </u>		<u> </u>	
-	- K-22	13-30	3.00		Cety 141; Sull	Gley		20.00		١.										_	
12-			1	//			stiff SILT trace	12.00	9/30	3	4	5				1	_	-	1	<u> </u>	
	.			-,//	stiff silt	1 - 1	clay	- 13 M	7/30	1	3	A		:	·		٠.	1			
13-	6.12	13.30	2.00	<u>, / </u>	trace ckty	Crey		10.00	1130	۲		4						<del>                                      </del>	1		1
								14.00	30/30	8	12	18						1		<del>-</del> :	
14														<u> </u>		\		1	1		
15								15.00	11/30	10	14	30				7	11.			1	. :
13.								L		Ĺ.			4.4		* *:	$ \cdot $				L	:
16-								16.00	49/30	11	14	35	<u> </u>		<u> </u>	7		ļ	4		
-						:	very dense for SAND & SILT	17.00	51/30	٨	, ,	20	. :							<b>-</b> :	
17-					i		trace gravel	11.00	01130	۲	10	30					-	<del>[</del>	1	<del></del> -	
								18.00	,	23	50		Blow	for	10cm			[ ·		-	
18										Γ	1							1	1		
19-								19.00	<u> </u>	36	51		Blow	for.	5cm			1			
· -							ļ	_													
20			`.		F			20.00	<b> </b>	54	=		Blow	for	15cm	}		<del> </del>	1	<b> </b>	
-	13.89	)] <u>(</u> ^	770		silt gravel	C		21.00		60			121	s for	15-	l		1	. :	-	4.
21-	LTOOA	21.00	10		Sin Kravel	Grey		61.00	<del> </del>	122	}=	-	DION	5 10r	1 3 C)	<b></b>	<del> </del>	<del> </del>	1	:	
-								22.00		1			2.4				3000	1: .		-	
22	]								1	Γ	<del>                                     </del>	$\vdash$	<u> </u>		<u> </u>				1		
23					1			23.00	<u> </u>	L	_	_	<u> </u>		<u> </u>	:					l
23 _			,				:									. :					
24								24.00	<u> </u>	<b> </b>	<del> </del> _	<u> </u>	<b> </b>	<u> </u>		ļ	<del>                                     </del>	<del> </del>			
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25			٠.				<b>.</b>	<u>25.00</u>	<del>' </del>	+-	-	-	<del> </del>	<del>                                     </del>	<del>                                     </del>	<del> </del>		<del> </del>	1	<b>├</b> ─	
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								27.00	<u>                                     </u>	L	L	L			<u> </u>	L		<u>L</u>			
27										Γ									] : .		
28								28.00	4	<u> </u>	_	L_		<b> </b>	<u> </u>	<u> </u>		<u> </u>		<u> </u>	
-							<u> </u>	-												L	
29								29 <u>.00</u>	4	┞	-	-	<b> </b> -		<b> </b> -	ļ	-	-	1	-	
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

2,618 m

DATE OF INVESTIGATION 11. FEB '94

Khotakhali, Chokoria, Cox 's Bazur

BOLE			No	11-12 (1)	da, Cox 's I	) AL / 2LL	DEPTH TO C				en ).80	)	m	INV	ESTIC	ATED	BA				
	Γ					IONAL I	DESCRIPTION			STA	ND	ARI	PE	VE TR	TION	TES	r		S/	MPLI	NG
STAFF	ELE- NATION IN	DE- PTH		COLUMN SECTION	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION	Depth 111		Кили Eva	ol 1	dovs cm			ER OI	F BLO			Suruple	Depth m	
1		1.50	-:		silt	Light brown & Grev	Median compressible SILT (soft)	1.00			0	1	•							_	
2 -							Medium plestic CLAY (very soft)	2.00 3.00	1/30 1/30		0	1						•			
3	0.88	3.50	2.00	******	clay	Grey	Medium to fine		7/30		3	4								_	
5 —	0 78	5.40	1 00		sand,trace	Light Grey	Medium to fine SAND, trace silt (loose to medium dense)	5.00	28/30	5	13	15			7					_	
6 —	2.10	3.40	1.70		SIII				50/30	15	23	27				\					
7 -		7.30		100000000	sand, little silt sand, some	Whitish Grey Light	Medium to five SAND, little silt ( dense) Fine SAND,		35/30		Γ					>					
8 -	-5.38	8.00	0.70		silt	Grey	some silt (mediam derse)	L	23/30 49/30		<u> </u>									_	
9 —	,,,	10.00	0.00		sarvl, little silt	Whitish	Fine SAND, little silt, ( derse)	10.00				1 T					Ì			10.00	
11-	-7.00	10.30	2.30			Grey	Fine SAND,	11.00	45/30 24/30						-		-4-		U-1	10.50	
12		11.95 12.50			sand, little silt sandy clay	Light Grey Br.& gr.	( dense) Sandy CLAY	<u> </u>	23/30									-		_	
13-		:					(viery sui)		45/30 42/30					-	ļ		7			·	
14					sand,some	_	Fine SAND,		42/30		1										
15 - 16-	12.78	15:40	2.90		silt	Grey	( dense) Fine SAND,&	16.00	29/30	16	13	16									
17-	14,78	17.40	2.00		saml & silt	Grey	SILT (medium derse)	17.00	26/30	13	13	13			$ \downarrow$					 	:
18									37/30	-:-											
19	17.38	20.00	2 60		sand,some	Grey	Fine SAND, some silt ( dense)	19.00 20.00	1.12	18	21	23								20.00	:
20-	11100	20.00	2.00						19/30 21/30		•								U-2	20.50	
22	10.00	22.50	250		sandy silt	Light Grey	Luminated sandy SILT (medium dense)	22.00	15/30	8	7	8		4				: :		_	
23	-17.00	22.50	2.00						28/30				- 1				. 1			 	
24								24.00 25.00	33/30		-					7				_	
25								25.00 26.00													
26							Fine SAND,	27,00	43/30	20	20	23				!				-	
28	25.38	28.00	5.50		sand,little silt	Light Grey	little silt, ( dense)		47/30	21	20	27					7				
29								29.00					1.11		:						
30			17.4					30.00		_											

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

Khotakhali, Chokoria, Cox's Bazar

BOLING HOLE No.

CROUND ELEVATION 2,506

DATE OF INVESTIGATION 11 FEB 94

DEPTH TO GROUND WATER LEVEL IN HOLE 0,69

				11-12 (2)										نهسنو							
				L	OBSERVAT	ONAL I	ESCRIPTION						PE	VETR/	NOITA	TES	r		S/	MPLI	NG
STAFF	ELE- XXTION 111	DE- PIH m	NESS In		Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION	Depth 111	INTER- PENE C111	Ev.	of 1 1715 30 cm	em	0 1		ER OF			0 60		Depth m	Me- thod
1 —	1 01	1.50	1 50		clay	Brown -ish grey	Medium plastic CLAY(soft)	1.00	2/30		1		9								
2	1	2.43			clay	Grey_	Medium plustic CLAY(very soft)		1/30	Ó	0	1									
3 —								3,00	16/30	8	8	8								1 1	
4 -	-1.89	4.40	1.97		saxl,trace silt	Light Grey	Fine SAND, some silt(dense)	4.00	17/30	6	7	10									
5 —	.2.79	5.30	0.90		sand,some silt	Light Grey	Fine SAND, some silt(derse)	5.00	31/30											1	
6 -	- <u>3,99</u>	6.50	1.20		sand,trace silt	Grey	Medium to fine SAND, trace gravel(dense)		39/30		_		·						. !		
7 —	<b>.4.9</b> 9	7.50	1.00		sard,trace silt	Grey	Fine SAND, trace silt (medium derse)	7.00	23/30 35/30	2.1	10		1		$\prec$					1.	
8 —									39/30				<u> </u>			1				<u> </u>	
9 —	7.49	10.00	2.50		sand,some silt	Whitish Grey	Fine SAND , some silt(dense)									$  \rangle$		:		 10.00	
10-	-							11.00	41/30 20/30	20 16	21 11	20 14							U-1	10.50	1
11-	1.							12.00	30/30	14	15	15		*** : 				-		]  -  -	
13-	10.00				sand, little	Light	Fine SAND, little silt, trace gravel	13,00	28/30	16	14	14							7.7	- -	
14-		13.50		17	silt	Grey	(medium derse) Samly CLAY	14.00	6/30	8	2	4	_<							1	
15-	-12.09	14.60	1.10		saxly clay	Grey	(medium stiff) Fine SAND, some silt	15.00	17/30	4	8	9		7							
16-	-13.69	16.20	1.60		sand,some silt	Grey	(medium dense to dense)		32/30				<u>.</u>			_				-	
17-								17.00	· ·			1.	<u> </u>		71.1						
18-							Fine SAND ,		13/30									:		_	: .
19-	-16.89	19.40	3.20		sand,some silt	Grey	( dense to very dense)	19.00		10	20	10				1					
20-		2.7					Lamirated	20.00	17/30 19/30	7 10	7 10	10 9		~	/				U-2	20.00 20.50	
21	18.99	21.50	2.10		sandy sili	Light Grey	sandy SILT (medium derse)	22.00						1	-					<del></del>	
22-	20.49	23.00	1.50		sard,some silt	Grey	Fine SAND , some silt (medam dense)	23.00						•			- S - 1 - 1 - 1 - 1 - 1				
23						٠.		24.00	100												
25 25								25.00	35/30	17	17	18								<b>,</b>	
26								<u>26.00</u>	39/30	18	19	20				$\Box$				_	
27—						مانية (	Tim Canin	<u>27.00</u>	43/30	21	21	22					1			- -	
28	25.49	28.00	5.00		sund,some silt	Light Grey	Fine SAND, some silt(dense)	28.00	49/30	22	24	25	:				7				- 1 - 100
29								29,00		_											
30								30.00		_	<u> </u>			<u>.</u>			<u> </u>			<u> </u>	

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

4.611 m

DATE OF INVESTIGATION 18 FEB '94

Khotakhuli , Chokoria , Cox's Bazar BOLING HOLE No.

11-13 (1)

DEPTH TO GROUND WATER LEVEL IN HOLE

-0.740 m

-				11-13 (									<u></u>								
				FIELD	OBSERVAT	IONAL I	DESCRIPTION	T		ST	ND	AR	D PE	NETR	ATION	TES	r		S	AMPLI	NG
STAFF	ELE-	DE-	nuck-			r	T	ł	N.	Non	of 1	lova		-					T .	T	
SIAFF	NATION	PTH	NESS	SECTION (Graphic)	Soil or Rock NAME	COLOR TONE	DESCRIPTION	Depth	INTER	Ev	eryl 5	icm		NUME	BER OF	BLO	ws n		Sample	Depth	Me-
		2		(Graptic)	OF CLASSIFICATION	TONE	DESCRITTION	1 .	PENE	15	30	45									thad
333	111	m	111	Instr.	CLASSIFICATION			311	cm	cm	CBI	Çm	0 1	0 2	0 3	0 4	0 5	50 60	No.	m	
	] ,						soft SILT with	L	ĺ	ł				1	l i				1	·	
		1.0		3-313			fine soud trace	1.00	1					1							
11 —	3.11	1.50	1.50	4500	ទាំង	Brown	clay	1.45											1	1.50	
-				20.000	· · · · · · · · · · · · · · · · · · ·			2.00	3/30	1	1	2	1				!	1	U-1	1.95	
2					<b>.</b>			10.00	1	-	-			<del> </del>			<u> </u>	<del> </del>	<del> ~~~</del>		<u> </u>
							stiff SILT & fine		l				<b>♦</b> .					1	1		:
3 —							to med SAND	3.00	3/30	1	1	2									*;
13	Ì I				]			3.45	]	1		ŀ		1						L 1	
_	1 · I					1		4.00	4/30	2	2	2	]	}		1.5				ГІ	
4	<b>!</b> -		- 1			215 61	1 44	4.45			-			1				<del> </del>	1 1		
	-0.01	4.70	3.20		surl	Brown		5.00	7/20	۱.,		١, ١	•	1						-	
5	l I			ll II -		Black	Black ORGANIK		7/30	3	3	4	<b></b>	<u> </u>			ļ	<del> </del>		ļ	
_				11 11	decomposed wood	ADCINIC	1/1 1 1	5.45	1	1		1	1	1			l .			L	
۱. <sup>-</sup>		5.30	1.10	<u> </u>	wood	ORGANIC	(	6.00	17/30	5	7	10		1							
6	1	1		(i) (i) (ii)	le grade	i		6.45		1	1					-	<u> </u>		1		
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7 -					<b>.</b>		gravel	7.45	12/100	۲	<del> </del>	<u>-</u> ا		-	7-		<u> </u>	<b> </b>	1	├-	
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8 —	J i				1			8.00	30/30	110	12	18	L	ļ		7-		<b> </b>	1	L_	
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13								13.45	[	1					1 2		ļ			L	
-	]				] ·			14.00	30/30	15	14	16	i .	'	1	[				[	
14					1: 44	1		14.45		1-			<b> </b>	<del>                                     </del>	/		l	1	1		
-							}		19/30	6	6	3.0		) · Y		1.		`		├	
15		11.45			sand	Brown	Tarata and the fitting		1 2/30	12	,	10			-		<u> </u>	ļ:	1	├ I	- 1
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16-	1 1							16.45	Γ	Ι'					/				1		
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1 -	1 1	1		******					27/30	1.0	7.3	1.4		1	<b>À</b>		1	i		- 1	
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19	\ \				}		to very dense	19.45		· ·			·		-			1. 3.	1		:
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26	21.81	26.45	22.40	<u></u>	sand	Brown		26.45	1		١. [							\	<b>)</b> .	_	
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

11-13 (2)

GROUND ELEVATION

 $4,533 \mathrm{\ m}$ 

DATE OF INVESTIGATION 16 FEB '94

Khotakhali , Chokoria , Cox's Bazar BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE

-0.650 m

				EIE	ī'n	OBSERVATI	IONAL I	ESCRIPTION			STA	ND	AR	D PE	NETR	TION	TES	ı.		l s	MPI.I	NG
C. C. V.	ELE-	DE-	TTUCK-	COLUX	NN.	Sail or Rock		Lociti		INTER						· :						
SIAFE	NATION	PTH	NESS	SECTIO	ÖΝ	Sail or Rock NAME OF CLASSIFICATION	COLOR	DESCRIPTION	Depth	INTER	E	ery) 5	CD1		NUME	ER OF	: Bro.	WS N		Sumple	Depth	Mo- thod
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ار <u>.</u> ا	]				1			fine sund	2.00	2/30	1	1	1						L	<u>U-1</u>	1.95	
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,					á	silt with			3.00	2/30	1	1	1								L	
3	0.93	3.60	3.60		4.	sand	Brown	* ;	3.45	:						4			l		_	1
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

1.309 m

DATE OF INVESTIGATION 12 FEB '94

Magaania, Chokoria, Cox's Bazar

BOLING HOLE No. 11-14 (1) DEPTH TO GROUND WATER LEVEL IN HOLE -1.

-1.60 m

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	(21.82	B.P	TURE				DESCRIPTION	ļ						METH	ATIO	V TES	1.		S	AMPLI	NG
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				(Graphic)	OF	COLOR TONE	DESCRIPTION	Depth	PENE	15	30	45			. :		1.5		1 7	-	thod
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MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION 1.131 m

DATE OF INVESTIGATION 12 FEB '94

Magnama, Chokoria, Cox's Bazar BOLING HOLE No. 11-14 (2)

DEPTH TO GROUND WATER LEVEL IN HOLE -1

-1.20 m

				Pirir	Operation	ONAT F	ESCRIPTION			CTY	NID	A 12	D DE	METED	ATION	Tree	r .		T	26331.1	NC I
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4				g#				4.00	4/30	1	2	2				<u> </u>					}
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6	5.07	6.20	6.20	<i>2</i>	silt with clay	Grey		6.00	6/30	1_	3	3						<del></del>	-	<b></b> .	
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16		1		/			stiff SILT with clay & fine sand	16.00	10/30	3	4.	6		<u>/</u>				<u> </u>			
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-	21.87	23.00	3.00		sand	Grey		23 M	30/30	l 1	إزرا	10				1				<u> </u>	
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	لــــا		Ĺ <u>.</u>		<u></u>	<u> </u>	J	<u> </u>	<u> </u>	<u> </u>	_	<u>L_</u> .	<u> </u>	<u></u>	1	1		1	<u> </u>	<u> </u>	1

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

CROUND ELEVATION

2,743 m

DATE OF INVESTIGATION 14 FEB '94

Magrama, Chokoria, Cox's Broam BOLING HOLE No.

DEPTH TO GROUND WATER LEVEL IN HOLE -1.

-1.20 m

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2							SILT trace fine sand	2,00	2,130	<u> </u>	-		-					<del> </del>	1		
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5 🗆		· .			à à	1 1	very soft SILT	5.00	1/30	0	0	l		<u> </u>		<b>.</b>		<u> </u>	1	<u> </u>	:
l'' 🗍				1/1		-	& fine SAND trace clay			1								1		_	
6 –	.						trace cmy	6.00	3/30	1	1	2					<u> </u>	<u> </u>		<u>6.10</u>	1.5
_]	-3.81	6.55	2.55	/	silt sand	Crey		_					1						U-1	6.65	
7								7.00	13/30	3	5	8		<b>-</b>				ļ	$\Box$	7.10	
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8		)					(Art)	8.00	12/30	3	3	<del>  '  </del>		<del>  }                                   </del>			<b> </b>	-	1	<u> </u>	
-				/			silty fine sand	8 00	10/30	6	6	4		V.			1			F	
9		1 1						2.00	10/30	۳	0	**		<u> </u>	<i>:</i>			<del> </del>	1	<del> </del> .	·
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10					gard of			10.00	1.200	۲	Ľ	H		1				<b>†</b>	1		
	. }			<b>/</b> *****				11.00	20/30	8	10	10		`\\						-	
11	8.56	11.30	4.75		fine sand	Grey											·	1	1		
],	1				'	'		12.00	19/30	8	9	10			'		<u> </u>		}		
12					Pro I									•			[				
ا					, t			13.00	38/30	10	18	20		L			<u> </u>	1			
13		. :			- f		very stiff silty fine to med.	L												_	
14-							SAND	14.00	42/30	11	20	22		<u> </u>			1		-	<u> </u>	
** _														1						-	
15			di.					15.00	42/30	10	21	21		<u> </u>			<u> </u>	ļ	{ ;	<b>   </b>	
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16-	13.46	16.20	4.90		sand	Crey		16.00	30/30	8	14	16		ļ	<u> </u>	<u>/_</u>		<del> </del>	{		
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								19.00	12/30	5	6	6		1			1				
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20,			" 37				<u> </u>								, , , , , ,		<u> </u>				
],, ]				#				21.00	79/30	12	31	18									
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22							hard fine sandy	22.00	46/30	11	18	28						<u> </u>	1 1 6	L: I	
	۱. ا						SILT trace clay	L	[					} ·			\			<del> </del>	
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25	26.20	43.00	3.30		clay	Grey		<u>25.00</u>	57/30	រក្	ኛΩ	29	-					-			
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26-								40,W		$\vdash$	$\vdash$	├┤							'	<u> </u>	
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28-											П	-6							1		[
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29	- ***					1.15															
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30			<u> </u>			<u> </u>				Ĺ		L		L	Ĺ				<u> </u>		

MULTIPURPOS CYLONE SHELTER (PHASE-2) PLOJECT LOCATION

GROUND ELEVATION

DATE OF INVESTIGATION 14 FEB '94

Magnama, Chokoria, Cox's Bazar BOLING HOLE No. 11-15 (2)

DEPTH TO GROUND WATER LEVEL IN HOLE -1

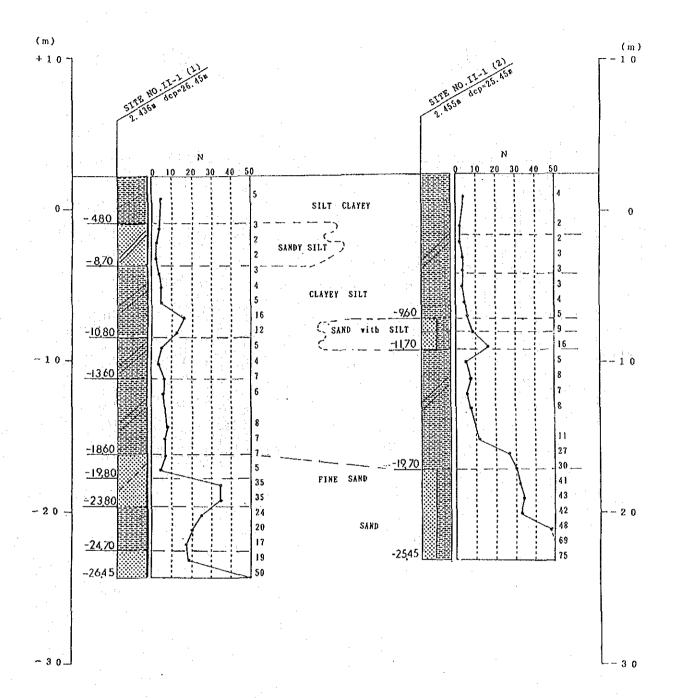
-1.30 m

2.165 m

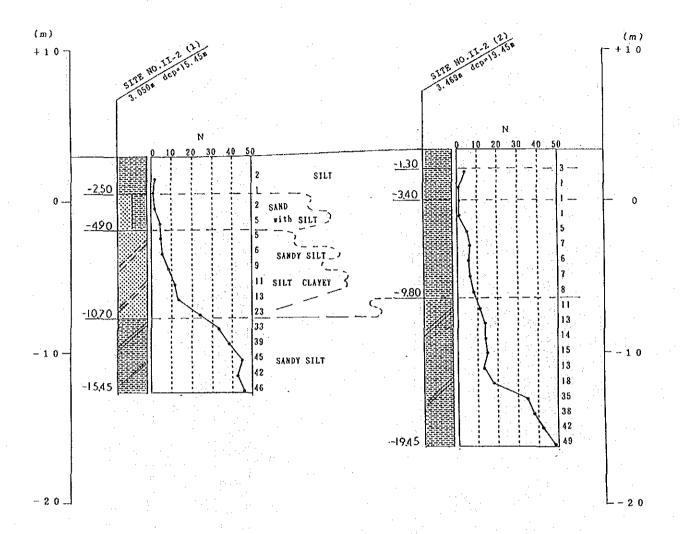
				11-15 (																	
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l,							soft to very soft	1.00	4/30	2	2	2						ļ <u>.</u>			: I
-							SILT with chry	0.00					/ -					١.		_	
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5 —	2 20	5.55	0.45	/	sil	Grey		5.00	0/30	<del>Z</del>	3	3	<b>├</b>				<b></b>				
_	-3.94				sard	Grey	loce fire SAND with si	6.00	5/30	2	3	2									
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-				7			stiff to very stiff fine sandy SILT	800	6/30	١,	3	9								├ .	
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				/				9.00	14/30	3	5	9	` `	<u> </u>							1 1
9 —		:						_		Γ											Ì
10-								10.00	16/30	4	6	10						<u> </u>		:	
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11-							stiff fine sandy	11.00	2330	10		14			<b>-</b>		<del> </del>		1		. 1
-	ĺ				47		SILT trace clay	12.00	22/30	10	11	11					1 :			<u> </u>	1
12-						ĺ										/					
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-	1						Irend SILT fine	14.00	48/30	19	20	28								-	
14	12.14	14.30	1.10		·land sik	Grey	sand trace clay	17.00	1200		-	3			<u> </u>		-		1	<del></del>	
15	]						very dense fins	15.00	51/30	9	21	30						<b>\</b>	}		
13 -							to med. SAND	L		1											
16-		١,		/			withsilt	16.00	56/30	10	28	28	<del></del>				-	17		<u> </u>	
-					san with			17 00	64/30	ļ.,	າກ	36			٠.	1.1.		,	1	-	
17-	15.14	17.30	3.00		sit	Grey	 	17.00	0.850	r	ř	3				742				<b>-</b>	
18							SILT with clay interldyered	18.00	14/30	2	4	4							1		l
-		l .			silt with	5.4	with fine sand	_	l			-		17	· . ·			:		L	
19-	17.04	19.20	1.90		clay	Grey		19.00	10/30	1	4	6							{	-	
-					1			20.00	70/30	20	30	40						ļ <u>Ľ</u> ,	]	<b>-</b>	
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21		ĺ		///				21,00	89/30	20	40	49						<u> </u>		L.	
-							land SILT &	_			_ نـ			1						L	
22				//			fine SAND	22,00	74/30	16	32	42		ļ	ļ			ļ	-		
-		:		//	1		}	23.00	72/30	12	30	42								-	
23-	1					1.0		20.00	1.200	Ť	٦	12-	:	-				<b></b> -	1		
24						1		24.00	73/30	12	31	42									
1 _			]		hard silt			-					· .	1000						<b> </b> -	
25-	22.81	23.00	1 3.00	) ://:::::	sand	Crey		25.00	60/30	114	26	34				<del> </del>		-	{	<del> </del>	
-		Ì				'. '		26.00					* * .		İ •	-			.	<b> </b>	
26					1			20.00		Η				<b> </b>	1 7 7	<b> </b>			1		
27-				1			]	27.00	<u>L</u> _					<u> </u>		<u> </u>	<u>L</u>				
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30							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30.00	<u>                                     </u>		1. 1		<u> </u>			<b> </b>			1		
30	<u></u>	L	L	L	<u> </u>	1		1		1	1.		L			I	i		1		

# APPENDIX 7.2.3

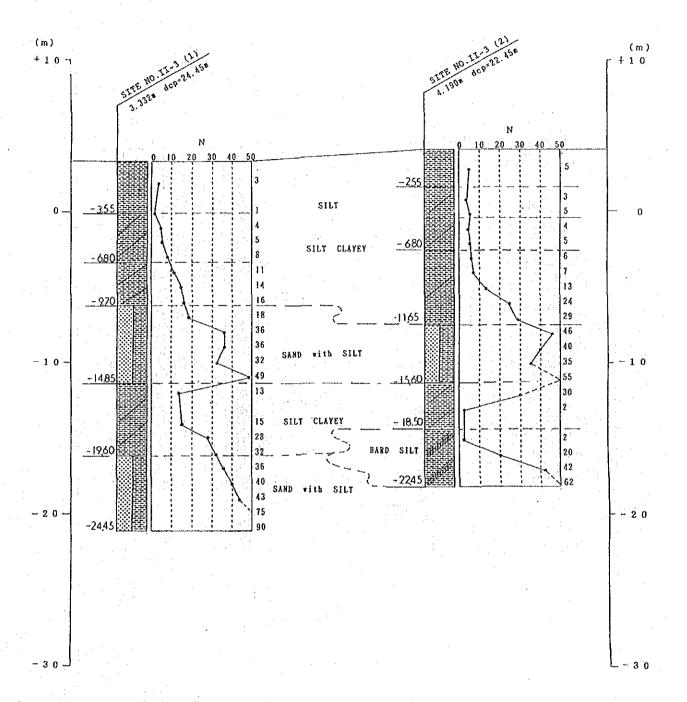
# ASSUMED GEOLOGICAL SECTIONS



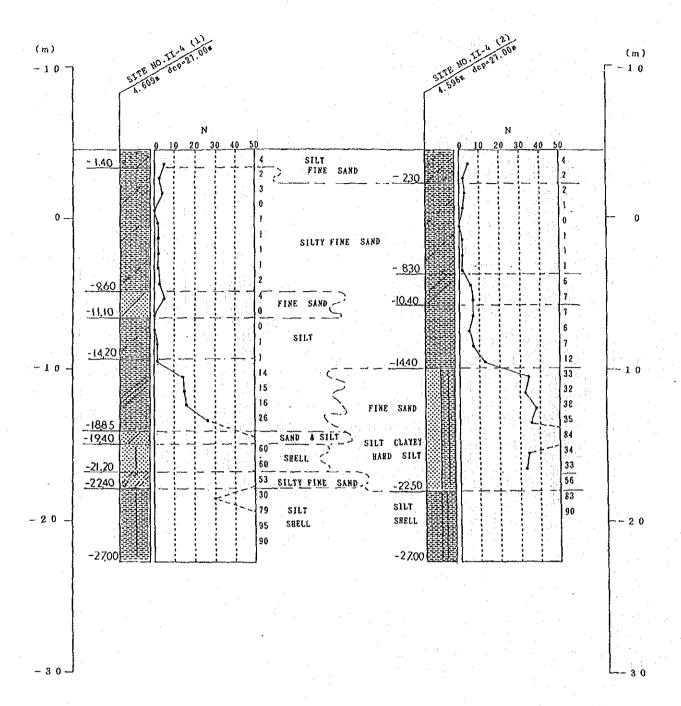
ASSUMED GEOLOGICAL SECTION (SITE NO. II-1)



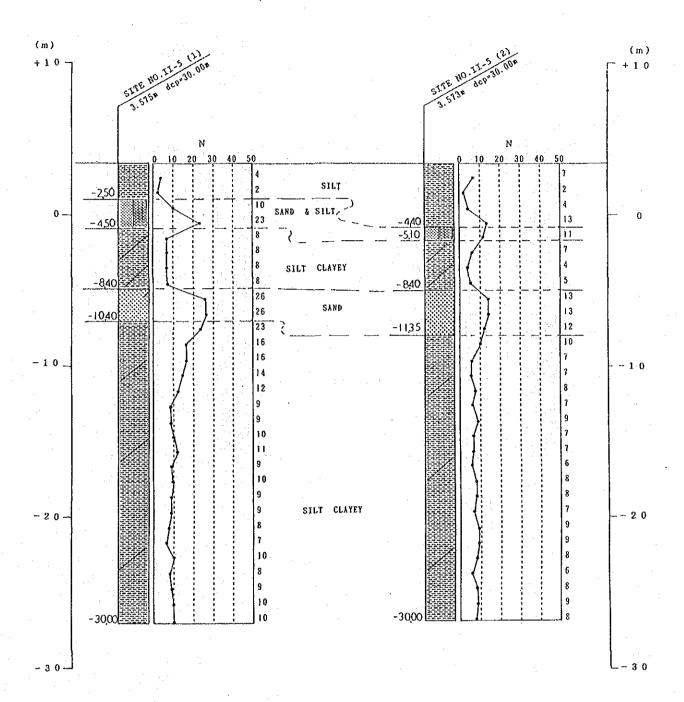
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-2)



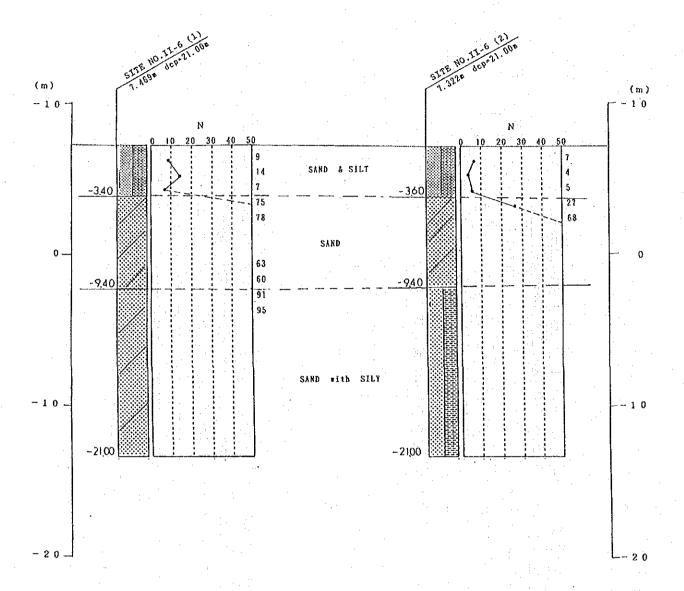
ASSUMED GEOLOGICAL SECTION (SITE NO. II-3)



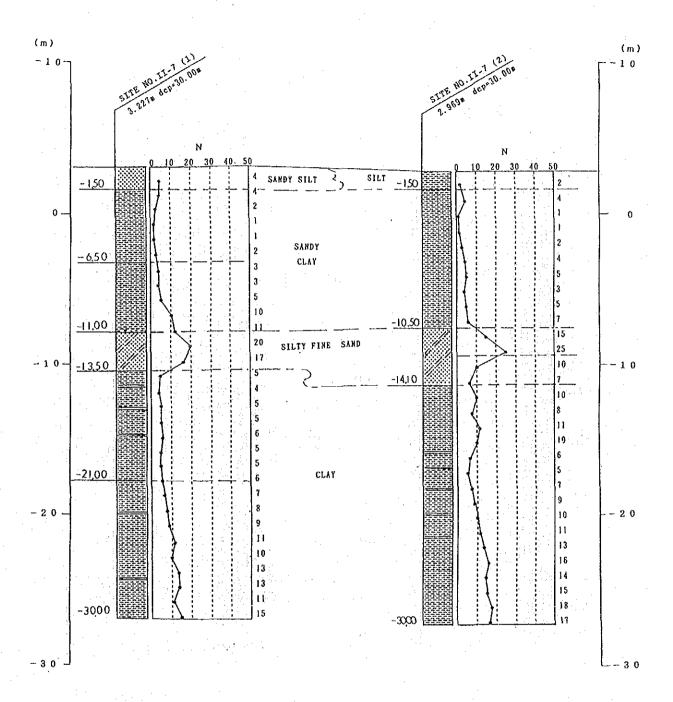
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-4)



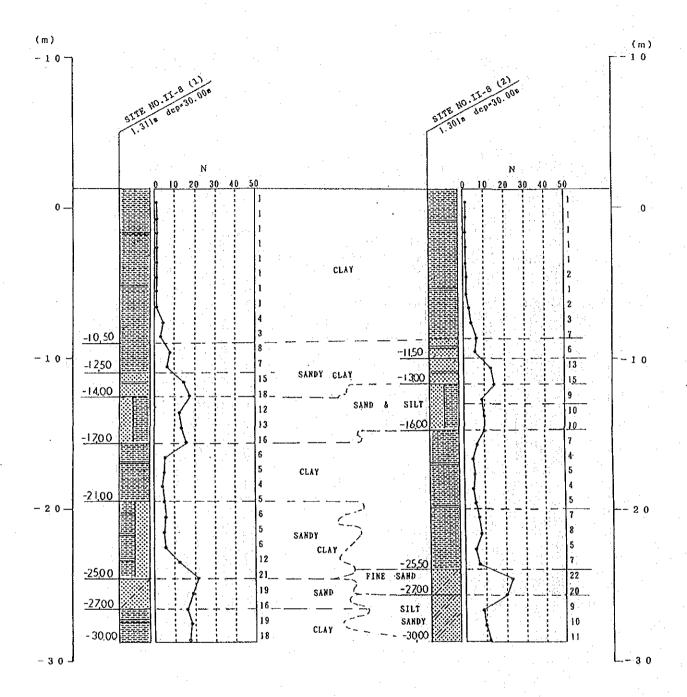
ASSUMED GEOLOGICAL SECTION (SITE NO. II-5)



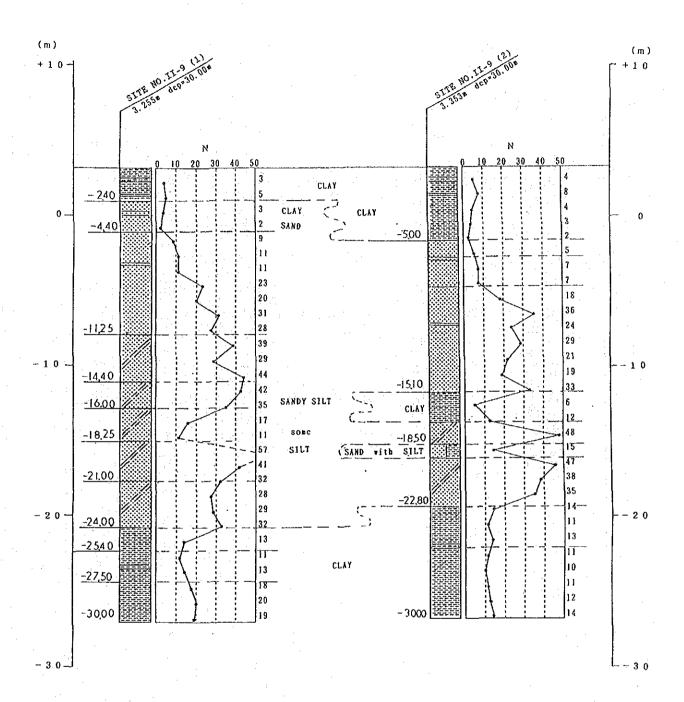
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-6)



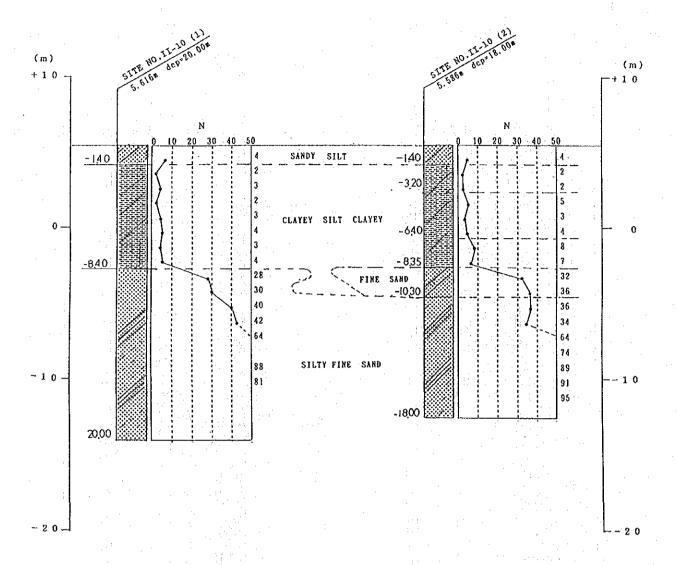
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-7)



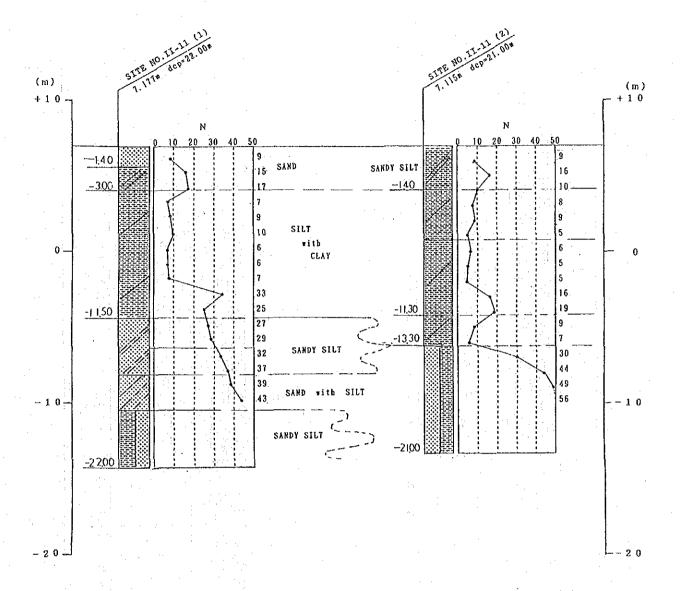
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-8)



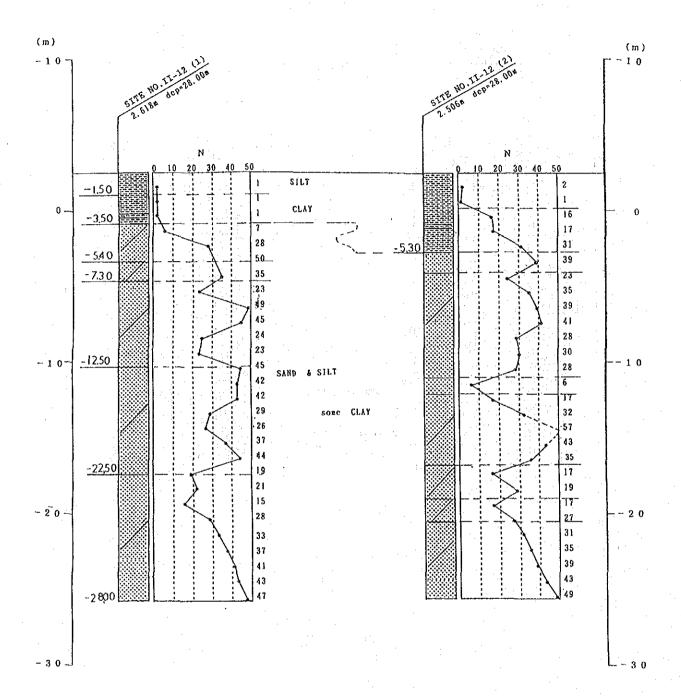
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-9)



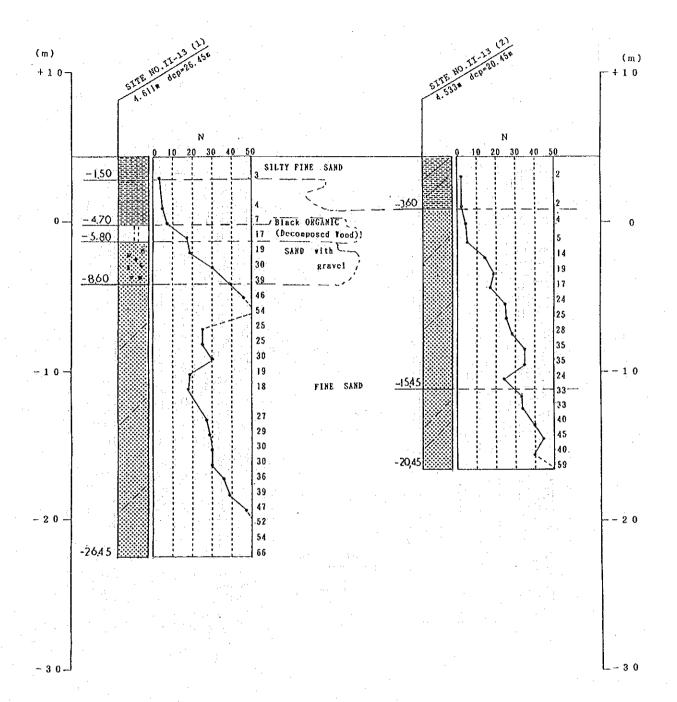
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-10)



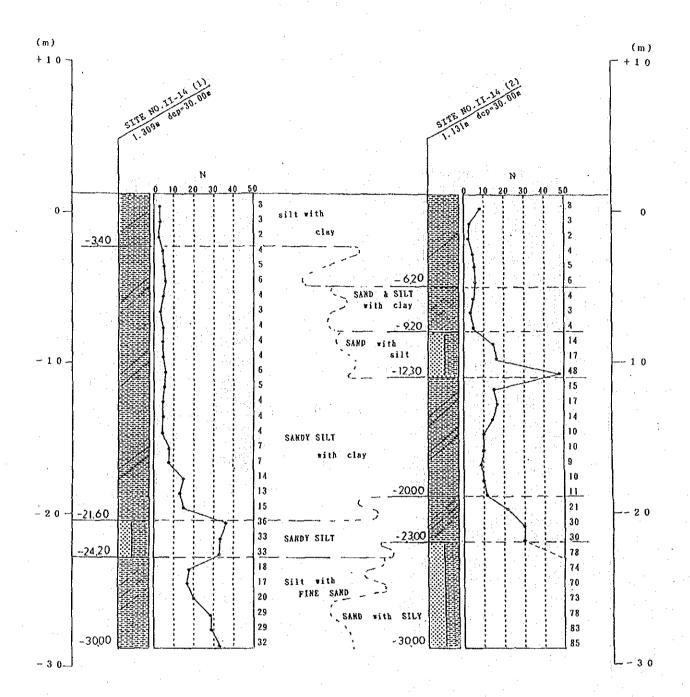
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-11)



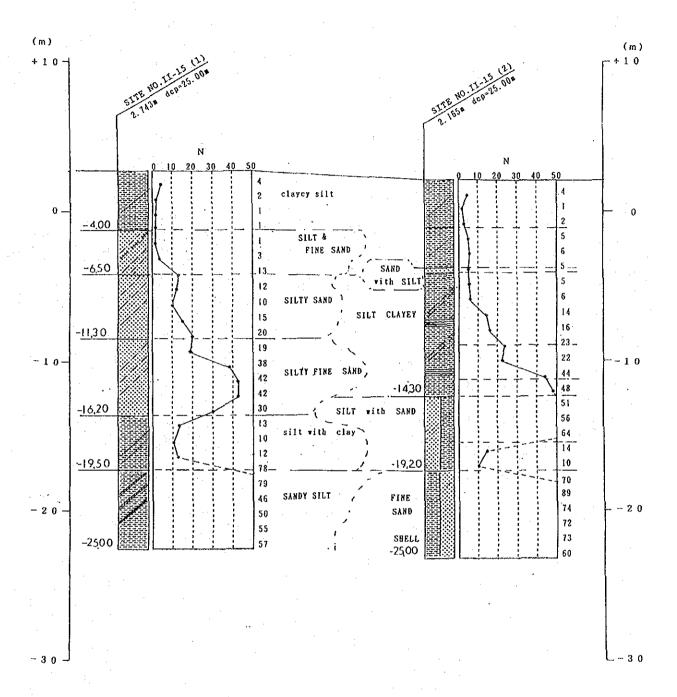
ASSUMED GEOLOGICAL SECTION (SITE NO. 11-12)



ASSUMED GEOLOGICAL SECTION (SITE NO. II-13)



ASSUMED GEOLOGICAL SECTION (SITE NO. 11-14)



ASSUMED GEOLOGICAL SECTION (SITE NO. 11-15)

## APPENDIX 7.2.4

## SUMMARY OF LABORATORY TESTS

SUMMARY OF LABORATORY TEST (1)

			D-14	14.00 14.55	14.40		2.622					30.2	69.8												
			6-0	9.00 ĀĀ			2.645					6.8	82.2	11.0				38.00	21.66	16.34			70		
		2	0-5	5.00 ₹	 							1:0	80.0	19.0											
		- I	D-4	4.00	4, 40													42.00	22. 79	19.21					
	(I-I)	:	N-2	16.00	1.343	1.81		34. 73																0.503	æ
	Saral (I		U-1	2.00	1, 30	1. 78		36.63										39.00	21. 92	17.08				0, 668	7
(1)	Banskhali,		0-18	17.00	71.40		2.651					2.8	81.2	16.0											
וכםו ומח	Ban		D-13	13.00 13.45	TO. #2		2.65					1.5	82, 5	16.0				43.00	23. 59	19.41			าว		
LADUARIURI		1	D-11	11.00	77.40		2, 655					1.6	84. 4	14.0				40.00	22.43	17.57			ಶ	-	
COMMAN OF		1 -	n-5	5.00	٠, ا													41.00	23, 20	17.80		:			
00			7-N	14.50	1.20	1.749		45.29																0. 128	-
			U-1	1.50	1. 125	1.60		42. 13										:						0.284	æ
	SITE LOCATION (Site No.)	BORING HOLE No.	SAMPLE No.	DEPTH (m)	DRY DENSITY DA 8/cm	WET DENSITY O. g/cul	VITY O.	NATU. MOIST. CONT. W. %	VOID RATIO	SATURATION S. %	GRAVEL (2~75mm) %	SAND (75 µm ~2mm) %	SILT (5 ~75 μm) %		UNIFORMITY	CURVATURE U.C.	MAX. GRAIN SIZE mm	LIQUID LIMIT WL %	PLASTIC LIMIT WP %	PLASTICITY INDEX I P	CONSISTENCY INDEX	CLASSIFICATION	S S UNIFIED SOIL CLASS.	UNCONFINED COMPRESSION qu kgf/cm	FAILURE CTDAIN 9/
							JASE	NBO		:	Ŋ		3ZI	S NI	CEA	٠.٠		. (	112 38638	HIL	1	JI 22	02 V10	NEINED	XX XXX

SUMMARY OF LABORATORY TEST (2)

			<u>.</u> .																					
		01-0	10.00 10.45	:		2.622					31.4	66.6	2.0		:		:							
	2	D-4	4.00			2, 634					13.6	79. 4	7.0				38.00	22. 40	15, 60	÷		70		
	- 2	0-3	3.00 3.45														39.00	21.80	17.20					
(II-2)		D-2	2. 45			2.644					1.4	82. 2	16.4				40.00	22. 20	17.80			WIL		
Sadhonpur (II-2)		N-1	1.50 1.95	1.414	1.91		35.00																0.394	æ
1 1		D-10	10.00 10.45			2.634					39.0	61.0												
Banskhali,		0-5	5.00 5.45			2. 632					41.6	57.4	1.0				11			:				
	-	D-4	4.00									:					38.00	22, 70	15, 30					
	2 -	0-2	2, 45			2.653					1.2	81.8	17.0				40.00	21. 20	18.80			ML	- i	
		0-1	1.00														42.00	22. 79	19. 21					
		1-n	1.50 1.95	1. 357	1.88		38.54																0. 295	œ
SITE LOCATION (Site No.)	BORING HOLE No.	SAMPLE No.	ОБРТН (m)	DRY DENSITY DA g/cm	WET DENSITY O. g/cml		NATU. MOIST, CONT. W. %	VOID RATIO e	SATURATION S. %	GRAVEL (2~75mm) %	SAND (75 µm ~2mm) %	SILT (5 ~75 \mu a) %	CLAY (Under 5 µm) %	UNIFORM	CURVATURE Uc'	MAX. GRAIN SIZE mm		PLASTIC LIMIT W.	PLASTICITY INDEX I P	CONSISTENCY INDEX	CLASSIFICATION	UNIFIED SOIL CLASS.	CHACONETINED qu kgf/cm 0.295	FAILURE STRAIN %
						JARS	CEM			24		M	S NI	CBV				SLIP ROR	ETTY ILL	<i>!</i>	II.	1) 08	WESESS Valined	n n

SUMMARY OF LABORATORY TEST (3)

1.50   16.00   4.00   15.00   18.00   1.60   18.50   5.05   6.00   19.00   1.30   1.20   1.20   1.25   18.45   12.45   12.45   18.45   12.25   1.27   1.26   1.26   2.655   2.641   2.639   2.607   2.655   2.641   2.639   2.607   2.655   2.641   2.639   2.20   2.10   2.655   2.647   2.652   2.647   2.642   2.647   2.642   2.647   2.642   2.647   2.642   2.647   2.642   2.647   2.	SITE LOCATION (Site No	(Site No.)		9	D THE PROPERTY OF	T NOON	Bans	Banskhali, Jaldi (II-3)	aldi (I	I-3)				
U-2         D-4         D-15         D-18         D-19         U-1         U-2         D-5         D-6           16,00         4.00         15,00         18,00         16,00         16,00         16,00         6.00           16,00         4.00         15,00         18,00         16,00         16,00         16,00         6.00           16,45         4.05         15,45         18,45         1.27         1.26         6.00         6.00           1.70         2.65         2.641         2.639         1.83         1.83         2.647         6.65         2.647           48.58         4         3.8         44.37         2.655         2.647 <td>BORING HOLE No.</td> <td>L</td> <td></td> <td></td> <td>ين ا</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td></td> <td></td>	BORING HOLE No.	L			ين ا	1					1	2		
16.00     4.00     15.00     18.00     18.50     5.00     6.00       16.45     4.45     15.45     18.45     18.45     18.45     18.95     5.45     6.45       1.20     1.20     1.20     1.83     1.83     2.655     2.647       48.58     2.655     2.641     2.639     4.38     44.37     2.655     2.647       48.58     2.655     2.641     2.639     4.38     44.37     2.655     2.647       48.58     4.37     2.655     2.647     2.655     2.647       83.4     76.0     77.0     86.0     84.2       14.0     2.0     1.0     86.0     8.0       41.00     38.00     2.0     1.0     8.0     39.00       23.39     22.60     22.70     22.18     22.18     25.8       17.61     16.40     13.30     16.82     15.42       17.61     16.40     13.30     0.323     0.704     16.0       4     6     6     6     6     6	SAMPLE No.		U-1	N-2	D-4	D-15	D-18	0-19	1-n	1-2	0-5	D-6	0-19	
1.20     1.20     1.27     1.26     2.641     2.639     1.83     1.83     2.655     2.647       48.58     2.655     2.641     2.639     1.83     1.83     2.655     2.647       48.58     44.37     2.655     2.655     2.647       2.6     22.0     21.0     4.0     7.8       83.4     76.0     77.0     86.0     84.2       14.0     38.00     36.00     86.0     84.2       41.00     38.00     36.00     39.00     38.00       23.39     22.60     22.70     22.18     22.18     22.58       17.61     16.40     13.30     16.82     15.42       17.61     16.40     13.30     0.323     0.704     0.1.0       4     6     8     6     0.0     0.0	DEPTH (m)		 85 35	16.00 16.45	-	15.00 15.45	18.00 18.45	19.00 19.45	1. 60 2. 05	18.50 18.95	5.00 5.45	6. 00 6. 45	19.00 19.45	
11-79       2. 655       2. 641       2. 639       1. 83       1. 83       2. 655       2. 647         48. 58       2. 655       2. 641       2. 639       3. 655       2. 655       2. 647         48. 58       2. 6       22. 0       21. 0       4. 0       7. 8         83. 4       76. 0       77. 0       86. 0       84. 2         14. 0       22. 0       1. 0       86. 0       84. 2         14. 0       38. 00       1. 0       10. 0       8. 0         23. 39       22. 60       22. 70       22. 18       22. 58         17. 61       16. 40       13. 30       16. 82       15. 42         17. 61       16. 40       13. 30       16. 82       15. 42         17. 61       16. 40       13. 30       16. 82       15. 42         17. 61       16. 40       13. 30       0. 704       16. 0         4       4       8       6       10. 425       16. 0	DRY DENSITY O & g/cm 1.	i	1.139	1.20					1.27	1.26				
48.58       2.641       2.639       2.655       2.647       2.655       2.647       2.643       2.655       2.647 <td< td=""><td>WET DENSITY D. 8/cm 1.72</td><td></td><td>7.2</td><td>1.79</td><td></td><td></td><td></td><td></td><td>1.83</td><td>1.83</td><td></td><td></td><td></td><td></td></td<>	WET DENSITY D. 8/cm 1.72		7.2	1.79					1.83	1.83				
48.58       44.37       43.88       44.37       6         2.6       22.0       21.0       4.0       7.8         83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       86.0       84.2         41.00       39.00       2.0       1.0       8.0       82.0         23.39       22.60       22.70       22.18       22.58       16.82       15.42         17.61       16.40       13.30       16.82       15.42       16.0	SPECIFIC GRAVITY D . g/cm				2.655		2.641	2. 639			2.655	2.647	2.652	
2.6       22.0       21.0       4.0       7.8         83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       86.0       84.2         2.0       1.0       86.0       84.2         2.0       1.0       86.0       87.0         2.2       1.0       86.0       80.0         41.00       38.00       38.00       38.00         23.39       22.60       22.70       22.18       22.18         23.39       22.60       22.70       16.82       15.42         17.61       16.40       13.30       0.32.3       0.704         0.425       0.425       0.323       0.704       0.50	NATU: MOIST: CONT. W. %   50.	50.	93	48, 58					43.88	44, 37				
2.6       22.0       21.0       4.0       7.8         83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       80.0       80.0         41.00       38.00       36.00       39.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       0.425       0.323       0.704       6.	V01D RATIO													
2.6       22.0       21.0       4.0       7.8         83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       80.0       8.0         41.00       39.00       36.00       39.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       0.323       0.704       CL       CL         4       8       6       6       6	SATURATION S. %													
2.6       22.0       21.0       4.0       7.8         83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       8.0       8.0         41.0       39.00       36.00       38.00       38.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       0.323       0.704       0.323       0.704       0.1	CRAVEL (2~75mm) %									2 T				
83.4       76.0       77.0       86.0       84.2         14.0       2.0       1.0       8.0       80.0         41.0       39.00       36.00       39.00       38.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       0.323       0.704       0.323       0.704         4       8       6       8       6	SAND (75 µm ~2mm) %						22.0	21.0				7.8	1.6	,
14.0       2.0       1.0       8.0         41.00       39.00       36.00       39.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       0.323       0.704       CL       CL         4       8       6       8       6	SILT (5 ~75 µm) %				83.4		76.0	77.0			86.0	84.2		
41.00       39.00       36.00       38.00 <td< td=""><td>CLAY (Under 5 \mm) %</td><td></td><td></td><td></td><td>14.0</td><td></td><td>2.0</td><td>1.0</td><td>:</td><td></td><td>10.0</td><td>8.0</td><td>17.0</td><td></td></td<>	CLAY (Under 5 \mm) %				14.0		2.0	1.0	:		10.0	8.0	17.0	
41.00       39.00       36.00       39.00       38.00         23.39       22.60       22.70       22.18       22.58         17.61       16.40       13.30       16.82       15.42         0.425       ML       CL       CL       CL         4       8       6       6       CL	UNIFORMITY													
41.00     39.00     36.00     39.00     38.00       23.39     22.60     22.70     22.18     22.58       17.61     16.40     13.30     16.82     15.42       0.425     ML     CL     CL       4     8     6     CL	CURVATURE U.C.													
41. 00     39. 00     36. 00     38. 00 <td>MAX. GRAIN SIZE mm</td> <td></td> <td></td> <td></td> <td>. :</td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	MAX. GRAIN SIZE mm				. :		12							
23.39     22.60     22.70     22.18     22.58       17.61     16.40     13.30     16.82     15.42       CL     ML     CL     CL       0.425     0.323     0.704     CL       4     8     6	LIQUID LIMIT WL %				41.00	39.00		36.00			39.00	38.00	41.00	
17. 61 16. 40 13. 30 16. 82 15. 42 15	PLASTIC LIMIT W. %	.: 			23, 39	22. 60		22. 70	,		22, 18	22. 58	23. 19	
0. 425 CL CL CL CL CL CL CL CL CL CL CL CL CL	昌号 PLASTICITY INDEX IP					16.40		13, 30			16.82	15.42	17.81	
0.425 CL ML CL CL CL CL CL CL CL CL CL CL CL CL CL	CONSISTENCY INDEX	. :												
0. 425 CL CL CL CL CL CL CL CL CL CL CL CL CL	CLASSIFICATION				: .									
0.425 0.323	S UNIFIED SOIL CLASS.				IJ			JW.			CL	CL	70	
4 8	CHARLAGEN OU KEF/caf 0.	0	0.247	0.425				1,1	0.323	0.704				
	FAILURE STRAIN %		10	4					8	9				

SUMMARY OF LABORATORY TEST (4)

	SITE LOCATION (Site No.)		Cox's	Bazar, S	adar, Ja	Sadar, Jalalabad (II-4)	(II-4)		°xoʻ	x's Bazar,	r, Sadar,	Jalalabad		-5}
	BORING HOLE No.		4 - 1			4	- 2			5 - 1			5 - 2	
	SAMPLE No.	1-n	U-2	D-11	U-I	U-2	D-2	U-12	1-0	L-0	01-0	U-1	N-2	9-0
	nebru/	3, 10	6.10	10, 55	7, 10	8.10	1, 55	11, 55	2, 10	6, 55	9, 55	2, 10	9, 10	5, 55
	ngr In (m)	3, 55	6.55	11. 00	7.55	8, 55	2.00	12.00	2.55	7. 00	10.00	2.55	9, 55	6.00
	DRY DENSITY O & g/cm	1. 327	1.390	1. 498	1.174	1.301	1.497		1. 256	1.475	1.575	1.390	1.747	1.476
-:	WET DENSITY O. 8/cm	1.860	1.909	1.881	1. 740	1,839	1.853		1. 782	1.916	1.916	1.867	2.136	1.888
W	SPECIFIC GRAVITY O. g/cm	2, 595	2, 606	2.67	2. 587	2, 595	2, 651	2, 59	2.590	2, 609	2.673	2.623	2, 668	2.623
CEN	NATU: MOIST. CONT. W. %	40, 19	37.33	25.60	-48. 19	41.30	23.74	42.16	41.89	29.94	21. 69	34. 28	22, 26	27.90
	VOID RATIO													
	SATURATION S. %													
	GRAVEL (2~75mm) %													
. •.	SAND (75 \mu m \to2mm) \mm %	80	8	92	L	24	32	3	12	37	88	30	85	28
371	SILT (5 ~75 µm) %	92	81	24	73	29	64	78	89	20	į,	58	15	64
S NI	CLAY (Under 5 µm) %	16	11	- 0	20	17	4	19	15	13	0	12	0	8
CBA	UNIFORMITY Uc													
. i.	CURVATURE U.C.													
	MAX, GRAIN SIZE mm				:-									
,	LIQUID LIMIT W. %	50.84	41.48	d N	51.85	45.33	N. P.		48.99	41.41	NP	49.78	N P	34.06
SL	PLASTIC LIMIT W. %	26.40	25.00		28.00	26.40			25.00	25.00		25.64		19.23
LIWI LUEB	PLASTICITY INDEX I P	24, 44	16.48		23.85	18.93			23.99	16.41		24. 14		14.83
,	CONSISTENCY INDEX													
22	CLASSIFICATION													
SO CCA	UNIFIED SOIL CLASS.	HBH	0_	SM	HW	CT	ML,		. WE	CL	SM	ME	WS .	70
BKE22 Vetmed	UNCONFINED OU Kgf/cmf	0.311	0. 531		0.414	0.376			0.371	· ·		0.350		
100 Tun	FAILURE STRAIN %	10, 71	10.71		10.71	10, 71			8.92			10.71		

36, 30 20,00 1.864 1.328 2.617 40 9 37.43 1.379 2, 595 47.20 25. 00 22. 20 0.752 ග 23 9 불 2 1.396 57.95 29.62 1.902 8.92 2, 582 36.27 0, 637 67 ಜ ₹ Ramu, Patakarkul 1.684 2, 037 20.91 Z. 2.691 S ₹ 3 6. 55 55 € 1.361 1.895 58.20 29, 16 29.04 2,601 39, 29 0.519 10 - 3 n-2 ന 53 ∞, ¥ 2 1 379 54. 12 0.545 8.92 2.612 26. 92 27. 20 35, 38 1.867 Q 7 풏 8 SUMMARY OF LABORATORY TEST (5) 10.55 11.001.867 2,645 18.89 D-11 1,570 a: ≃: 8 ₹ Cox's Bazar, Sadar, Jalalabad (II-6) 6 - 26.55 7.00 1.539 22, 26 1.881 2,673 o. 2-1 8 8 3.10 3.55 1,563 1. 909 2,665 22, 17 0.509 مة ح នុ 11 ₹ 13.55 14.00 1.519 D-14 1.888 2, 668 24.33 zi Zi -18 82 S 7.55 8.00 6 - 1 20, 75 1.520 1.836 2,670 φ -نه نح នុ Š 7 3, 3, 10 3, 55 1.549 5.35 1.909 23, 28 0.371 2.634 ے خ š 26 77 kgf/cnf 0 s 8/cm 0 1 g/cm 0 . E/cm >€ 35 E 26 Ü¢, , M ဦ Ś SITE LOCATION (Site No. n n n (5 ~75 µm) (Under 5 µm) (75 µm ~2mm) به M. (2~75mm) UNIFIED SOIL CLASS BORING HOLE No. CONSISTENCY INDEX SPECIFIC GRAVITY PLASTICITY INDEX NATU, MOIST, CONT. MAX. GRAIN SIZE FAILURE STRAIN SAMPLE No. CLASSIFICATION DEPTH (m) PLASTIC LIMIT MONFINE COMPLESS COMPLESS FAILURE STRAI LIQUID LIMIT WET DENSITY DRY DENSITY WOID RATIO UNIFORMITY SATURATION CURVATURE GRAVEL SAND CLAY SLIWIT CLASS CEMERAL

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2 38 S

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CUVIN 21SE

VIJEKBEKC

TIOS

SUMMARY OF LABORATORY TEST (6)

		D-14	13.50	14.00														45.0	20.0	25.0					
		D-12   D		12.00 14			2. 660					74	Š	07				2	23	3			-	1; + 2 * 2 *	
	2	0-11	10.50				:					28		25 25	- 1	:									
7)		n-3	29.00	29. 50	1.635	1.999		22.3					:					48.0	26.0	22.0				2. 249	6
la (II-7)		2-∩	19. 50	20.00	1.394	1.898	2. 622	36.2										57.0	28.0	29.0				0.617	20
Boro Bheola		N-1	9.50	10.00	I. 499	1.950	2.681	30.1										42.0	18.0	24.0				0. 791	13
East		D-13	12, 50	13.00			2. 658					-89	ç	20						1					
Chokoria,		D-12	11.50	12.00			2, 659					7.1	ć	67											
	- 1	1-0	0.50	8	4							01	۶	OR .					14 14 14 14						
	r	0-3	29.00	29. 50	1.560	1.920		23.1									3	59.0	33.0	26.0		-		1,442	21
		n-2	19,50	20.00	1.467	1.905		29.9										44.0	21.0	23.0				0.608	13
		N-1	9.50	10.00	1.525	1.961	2. 680	28.6										42.0	19.0	23.0				1.068	12
SITE LOCATION (Site No.)	BORING HOLE No.	SAMPLE No.	ORPTH (m)		DRY DENSITY O. a g/cm	WET DENSITY O. 8/cm	SPECIFIC GRAVITY O . g/cm		VOID RATIO e	SATURATION S. %	GRAVEL (2~75mm) %	SAND (75 µ m ~2mm) %	SILT (5 ~75 µm) %	CLAY (Under 5 4m) %	UNIFORMITY	CURVATURE U.C.	MAX. GRAIN SIZE EM	LIQUID LIMIT WL %	PLASTIC LIMIT W. %	PLASTICITY INDEX I P	CONSISTENCY INDEX	CLASSIFICATION	UNIFIED SOIL CLASS.	CONFORT ON KEF/CON	FAILURE STRAIN %
							"M	CEM					97 I	S NI	CBV	·			IZ BEKC	RATT IMIJ	٧	SS   11	08 A10	JAPINED PPRESS	מאו נאמ

SUMMARY OF LABORATORY TEST (7)

No. 10	12	SITE I DEATION (Site No.)					Cho	koria	Radarkha	(μ-χ) i	6				
Particle   Particle		N BIOH ONLEAN				- 1	ŀ	100	1000	-		α			
DRPCHI (α)         8, 50         12, 50         22, 50         13, 50         25, 50         12, 50         25, 50         12,		SAMPLE NO	1-1	6-11	1-3	y-U	n-13	0-14	n-96	1:11	6-11		2-10	D-15	11-27
DRPTH (a)         10.00         20.50         28.50         6.00         13.00         16.00         20.50         12.50         12.50         12.50         15.00			9.50	19.50	29 00	5 50	12.50	13.50	25.50	9.50	19.50	29 00	11, 50	14.50	26.50
NWT DENSITY		DEPTH (m)	10. ⊙	%. %.	29.50	90 90	13.00	14.00	26. ⊙32	10.00 10.00	20.00 00.00	29.50	12.00	15.00	27.00
WET DENSITY         0 . g/cd²         1.735         1.869         2.029         1.843         1.855         1.894         2.660           SPECIFIC GRAVITY         0 . g/cd²         2.684         2.685         2.687         2.601         2.682         2.660           MATU MOIST, CONT.         W. 8         38.1         32.3         24.2         2.687         2.677         2.601         2.682         2.660           SATUM, MOIST, CONT.         W. 8         38.1         32.3         24.2         2.685         2.677         30.2         24.2         2.660           SATUM, MIST, CONT.         S. 8         S. 8         S. 8         S. 8         S. 8         S. 7         S. 7           SAND         (5 Lam ~ 2mm) %         S. 8         S. 7         T. 8         S. 7         S. 7         S. 7           CAAY         (10 der. 5 Lam) %         S. 8         S. 2         T. 18         S. 7         S. 1         A. 3           SAND         (5 Lam, Status)         S. 8         S. 2         T. 18         S. 1         A. 3           CLAY         (10 ulder. 5 Lam) %         S. 8         S. 2         T. 18         S. 1         A. 3         A. 3           LIQUID LIMIT         W. 4		P Ø-	1.275	1.413	1.634					1. 421	1.425	1.606			
SPECIFIC GRAVITY ρ. ε/cal         2. 684         2. 685         2. 667         2. 660			1.735	1.869	2.029		:			1.843	1.855	1.994	1	· . i	
NATU MOIST. CONT.         W, %         36. 1         32. 3         24. 2         6         29. 7         30. 2         24. 2         6           SATURATION         S. %		ا دی	2, 680		2.684		2. 685		2. 657		2.601	2. 682		2.660	
VOID RATIO         E         CACAURATION         S		Wa	36. 1	32.3	24.2					29. 7	30.2	24.2			
SATURATION         S															
GRAVEL         (2—75am)         %         75         73         82         69         57           SAND         (75 μm ~2mm)         %         75         73         82         82         82         82           SILT         (5 ~75 μm)         %         8         25         27         18         82         83         31         43           CLAY         Under 5 μm)         %         8         7         18         8         31         43         8         7         43         8         7         43         8         8         7         43         8         7         43         8         7         43         8         7         8         8         8         7         8         8         7         8         8         7         8         7         8         8         7         8         7         8         8         7         8         8         8         8         8         8         8         7         8         8         8         8         8         8         8         8         8         8         8         8         8         8         8         8         8		Š			- 14										
SAND (75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2mm) %   75 µm → 2m	. '	(2~75mm)		:						:					
SILT (5 ~75 μm) % 31 43 43 43 43 43 43 43 43 43 43 43 43 43							75	73	82				69	29	81
CLAY         (Under 5 μm)         %         CLAY         LIOURGE 10 μm         LIOURGE		(5 ~75 µm)					20	Ç	ç				ć	C Y	0.
UNIFORMITY         UC         CURVATURE         UC         CORNATURE         UC         CURVATURE         UC         CURVATURE         UC         CURVATURE         UC		(Under 5 $\mu$ m)	1				3	12	01				10 	7 F	S I
CURVATURE         U.C.         MAX. GRAIN SIZE         mm         A 5.0         41.0         B         A 6.0           LIQUID LIMIT         W.L.         %         45.0         44.0         52.0         41.0         39.0         46.0           PLASTIC LIMIT         W.P.         %         22.0         24.0         17.0         17.0         22.0         24.0           PLASTICITY INDEX         S         23.0         24.0         24.0         24.0         22.0         24.0           CONSISTENCY INDEX         CLASSIFICATION         S         S         30.0         24.0         22.0         24.0           UNIFIED SOIL CLASS.         S <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>:</td> <td>:</td> <td>- 1 y</td> <td></td> <td>:</td> <td></td> <td>. :</td>									:	:	- 1 y		:		. :
MAX. CRAIN SIZE         nm         A4.0         52.0         41.0         A6.0           LIQUID LIMIT         WL         %         44.0         52.0         41.0         39.0         46.0           PLASTIC LIMIT         WL         %         22.0         24.0         24.0         22.0         22.0           PLASTICITY INDEX         I PLASTICITY INDEX         S.0         24.0         28.0         24.0         22.0         24.0           CONSISTENCY INDEX         CLASSIFICATION         S.0				1			. :								
LIQUID LIMIT         WL         %         45.0         44.0         52.0         41.0         39.0         46.0           PLASTIC LIMIT         WP         %         22.0         24.0         17.0         17.0         22.0         22.0           PLASTICITY INDEX         23.0         24.0         28.0         24.0         28.0         24.0         22.0         24.0           CONSISTENCY INDEX         10.0         24.0         28.0         24.0         28.0         24.0         22.0         24.0           CLASSIFICATION         10.0										- X					
PLASTIC LIMIT         WP.         %         22.0         24.0         17.0         17.0         22.0           PLASTICITY INDEX         1.00         24.0 <td></td> <td>LIQUID LIMIT WL</td> <td>45.0</td> <td>44.0</td> <td>52.0</td> <td>41.0</td> <td></td> <td></td> <td></td> <td>39.0</td> <td>46.0</td> <td>46.0</td> <td></td> <td></td> <td></td>		LIQUID LIMIT WL	45.0	44.0	52.0	41.0				39.0	46.0	46.0			
PLASTICITY INDEX         1 P. CLASSIFICATION         28.0         24.0         28.0         24.0         28.0         24.0		PLASTIC LIMIT WP	22.0	20.0	24.0	17.0		:	- :	17.0	22.0	21.0			
CONSISTENCY INDEX         CONSISTENCY INDEX           CLASSIFICATION         CLASSIFICATION           UNIFIED SOIL CLASS.         0.300           UNCONFINED SOIL CLASS.         0.643           STRENGTH OF ALLURE STRAIN         16           FAILURE STRAIN         16		PLASTICITY INDEX I	23.0	24.0	28.0	24.0				22.0	24.0	25.0			
CLASSIFICATION         CLASS.           UNIFIED SOIL CLASS.         0.300         0.458         1.967         0.643         0.491           STRENGRAD         4         1<										6					
CLASS.  qu kgf/cnf 0.300 0.458 1.967 0.643 0.491 IN % 16 14 10 14 15		CLASSIFICATION													
gu kgf/cm² 0.300 0.458 1.967 0.643 0.491 1N % 16 14 10		UNIFIED SOIL CLASS.													
% 16 14 10 14 15			0.300	0.458	1.967	. 4				0.643	0.491	1, 193	ier Fr		
			16	14	10					14	15	12			

SUMMARY OF LABORATORY TEST (8)

		0-16	15. 50 16. 00														47.0	22.0	25.0				·	
		8-0	7.50 1								54	46	40	:										
	2	9-0	5. 50 6. 00								<del></del>						45.0	19.0	26.0					
	- 6	U-3	28. 50	1,585	1.970	2, 685	24.3							:			48.0	25.0	23.0				1.213	13
		0-2	18. 50 19. 00	***		2.657	23.1				19	39								À				
(6-II)		1-0	9.50	1.610	1.944	2, 659	23.9				7.1	53												
		D-27	26. 50 27. 00														47.0	25.0	22.0					
Chokoria, Chiringa		D-25	24. 50 25. 00					-									57.0	33.0	24.0	12				
Chok		D-17	16, 50	1.541	1.929		25.2				72	-20	07											
	- 1	D-14	13. 50 14. 00								.68	1	77	1.0		: :								
	6	0-3	2.50 3.00								1.1						41.0	18.0	23.0					
		N-3	28.50 29.00	1.643	2,015	2. 684	22. 7										59.0	34.0	25.0				2. 222	10
		N-2	19.50 20.00	1.626	1.985	2. 656	22. 1	.:			83	ı												
:		-1-	9, 50	1, 562	1.938	2, 657	24.1				84	1.0	01											
SITE LOCATION (Site No.)	BORING HOLE No.	SAMPLE No.	DEPTH (m)	DRY DENSITY OA g/cai	WET DENSITY O. g/cm	SPECIFIC GRAVITY O. g/cm	NATU, MOIST, CONT. W. %	VOID RATIO e	SATURATION S. %	GRAVEL (2~75mm) %	SAND (75 μ m ~2mm) %	SILT (5 ~75 µm) %	CLAY (Under 5 µm) %	UNIFORMITY Uc	CURVATURE Uc'	MAX. GRAIN SIZE mm	LIQUID LIMIT W. %	PLASTIC LIMIT WP %	PLASTICITY INDEX I.P.	CONSISTENCY INDEX	CLASSIFICATION	S UNIFIED SOIL CLASS.	STRENGTH ON AU KET/cm	FAILURE STRAIN %
	, .		,			JAS	CEM					321	(S N	LA#D				LIZ REEK	KITT.	1	66 IF	OS AD	NEINED NEINED	ONU ONU

34,40 2.612 19, 23 15.17 1.364 1.768 1, 305 1.860 2,609 42, 42 44.08 25, 38 18.70 10.71 0.234 ¥  $\Xi$ 2 1.332 1.839 2.617 38.00 51.0226.92 24, 10 10.71 0.687 S 8 9 Ī Chokoria, Magnama 36.00 10.55 11.00 D-11 30 23  $\exists$ 5.00° 20, 36 20,62 l. 469 1.768 2.614 37.04 42 8 12 8 ₹ 16. 14 12 06 25.38 1.375 16.68 1.860 2, 585 35, 28 0.597 8 33 8 팢 8.92 1.848 36.85 69, 23 30.76 38.47 1. 222 1.351 ç, 33 25 퓢 SUMMARY OF LABORATORY TEST (9) 21. 42 16.45 1.563 1.959 2,609 25.30 37.87 10 74 16 ¥ 1.846 1.334 11 - 22.617 58.33 38, 39 28.57 29, 77 က 83 15 픛 Ukhia, Jaliaparo (II-11) 1.520 1.909 2. 10 2. 55 95 2,623 25.58 50.95 28, 40 22, 55 4.451 63 12 23 曼 1.414 1.902 2.617 34.50 44.87 24.00 20,87 5 ₹ 1.648 4. 55 55 55 2.051 5, 35 24, 46 51.47 26.92 24.55 2,410 2.609 n-2 8 7 曼 ---1.604 55.46 8.92 2, 569 28.46 26.98 p. g/cm 2.037 kgf/cnf 2, 365 က <u>-</u>1 2 23 Ī D . g/cm d 0 . g/cm E >€ . ⊗ Ωc Š SITE LOCATION (Site No. (5 ~75 µm) (75 mm --2mm) (Under 5 µm) . ≪ ű. × (2~75mm) UNIFIED SOIL CLASS BORING HOLE NO. CONSISTENCY INDEX PLASTICITY INDEX SPECIFIC GRAVITY NATU, MOIST, CONT. MAX. GRAIN SIZE WET DENSITY SAMPLE No. PLASTIC LIMIT CLASSIFICATION DEPTH (m) LIQUID LIMIT DRY DENSITY VOID RATIO UNIFORMITY SATURATION CURVATURE GRAVEL SAND SILT LIMITS ATTERBERG ZZAI) COMPRESS

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SUMMARY OF LABORATORY TEST (10)

			36	20,20	83	31	56	.3				80													
			14 0-26	50 25. 50 00 26. 00	1.620	1.981	2, 656	22.3				78	CC	7		:   		S.	0(	99					
		12 - 2	9-14	14,00			:						-					1 46.00	)- (21.00	25.					
		1	0-3	1.50 .90								-						44.00	19,00	25.00					
1	(71-17)		1-2	19.50	1.632	2,025	2.672	24.1				83	2	76										sel '	
	Khotakhari		1-0	9.50 10.00	1.611	1.996	2, 659	23.9				78	ê	77							_				
<u> </u>	ı		0-27	26.50					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			88	ي	77		:									
-	Chokoria,		0-16	15.50 16.00	1.612	1.971	2.659	22.3																	
אחוראוחחקיי			9-0	6.50 90 90								88	ç	71											
O CHIRALOS OI		12	0-2	1.50 2.00		1	1			:								42.00	18.00	24.00					
2			1-2	19. 50 20. 00	1.620	1. 982	2, 660	22. 4			1	91	č	22											
			1-0	9.50	1.618	1.962	2.658	21.3			6	87	-	51						: .					
V 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	site No.)	No.	,		0 6 8/cm	D . B/cai	٠, ٥	T. W. %	Ð	% ≫	(2~75mm) %		.75 µm) %	(Under 5 µm) %	Uc	nc.	E mm	W. %	W <sub>P</sub> %	EX I .	(DEX		LASS.	qu kgf/cm	
0/ 100101001 001	SITE LUCATION (SITE NO.	BORING HOLE	SAMPLE No.	DEPTH (m)	DRY DENSITY	WET DENSITY	SPECIFIC GRAVITY	NATU, MOIST, CONT.	VOID RATIO	SATURATION	GRAVEL (2~	SAND (75 µ m ~2mm)	SILT (5 ~75 µm)	CLAY (Under	UNIFORMITY	CURVATURE	MAX. GRAIN SIZE	LIQUID LIMIT	PLASTIC LIMIT WP	PLASTICITY INDEX	CONSISTENCY INDEX	CLASSIFICATION	UNIFIED SOIL CLASS	KOCONE LNFDW STRENETH FOW	*********
	2						TVE	CEM			- 1		321	S NI	ASF)				LZ Beig	PIWI VLLEN	1	JIC 227	/10 )S	NETNED PPRESS	ľ

12 19. 23 16. 72 35, 95 I. 304 i. 793 37.52 2,617 0.391 <u>1</u>-2 23 글 67 (II-12) 1.216 44. 18 23. 07 23. 73 0.2128.92 46.80 2, 595 1.754 ດວັ 13 吕 9 Chokoria, Magnama D-15 14. 55 15. 00 22 74 26 89 44.32 48.00 25.92 8 1.846 3.00 1.393 2,579 0-3 ഹ 63 28 금 22. က္က 32.48 5.35 1.786 0.440 7.35 .35 2.668 1.297 N P n-2 69 3 0 ₹, 36. 72 20. 68 16. 04 8.92 37. 73 0.292 6. 10 6. 55 1.313 1.895 2.628 40 22 ∞ 3 SUMMARY OF LABORATORY TEST (11) 37.5 62.5  $11. \ \underline{00} \\ 11. \ \overline{45}$ 2,622 <u>-</u>-11.0 84.0 5.0 22.93 2.639 37.00 14.07 13.-<u>-1</u>-0 물 Chokoria, Chiringa (II-13) 17.5 2.643 81.5 35, 50 21. 11 0.3161.50 1.951.43 30.08 1.86 . --1 물 86.8 33. 2 2.622 0-21 20.00 20.45 13.5 83.5 3.0 13,88 36, 50 22. 62 1. 45 1.00 2.647 뒃 <u>-</u>1 2 45.0 55.0 0.132 2.623 22, 36 1.52 .∺ ‰ <u>-1</u> kgf/cm² 0 . g/cm p. g/cm 0 . g/cm 96 >6 96 뎔 96 Uc. W Ś SITE LOCATION (Site No.  $(5 \sim 75 \,\mu\,\text{m})$ (Under 5 µm) (75 µ m →2nm) . B. W۲ a)  $(2 \sim 75 \text{nm})$ UNIFIED SOIL CLASS. BORING HOLE No. CONSISTENCY INDEX PLASTICITY INDEX SPECIFIC GRAVITY NATU. MOIST. CONT. MAX. CRAIN SIZE FAILURE STRAIN CLASSIFICATION SAMPLE No. (E) PLASTIC LIMIT LIQUID LIMIT WET DENSITY DRY DENSITY SATURATION UNIFORMITY VOID RATIO DEPTH CURVATURE GRAVEL

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1.853 2.623 34.50

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D-13

CLAY

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