LOCATION	Comb	TEST P	POWER NSULTIN I T AN	DEVELO	PMENT COMPAN' EERS) BER HOLE LO), JAPA Y	(SHEET OF 2
CO-ORDINATES	_SAMO	or Project, CAMBODIA 29 km 42 N1,389 km	A.S.	. Pi ci	RE Right	Banl	<u> </u>
DETAILS OF LO	CALITY	. <i>ننتنگ شي طلي</i> و بگرينديد طار د سا نست ساليک		TYPE	OF EXCAVATION to	Pit	1.0m x 1.5m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	
SAND		Medium to fine grained. Bearing few pebbles.	05-10-115-115-11-11-11-11-11-11-11-11-11-11-1				<u>. </u>
		Small ellipse shaped pebble (2cmx3cm dia.), Well rounded.	3.0			59	Base of pit Hole 30m
		Continued	45				
			55— 60— 65—	V			
HOLE MADE BY						4	LOGGED BY <u>I. Suctomi</u> DRAWN BY <u>I. Suctomi</u>

LOCATION	ELECTR (TEST	CONSULTING	DEVELOPME ENGINEERS AUGER	HOLE LOG	F - 4 (SHEET 2
DETAILS OF LOCA	E_009_Km_42_N1.389	<u>Km: 48</u>	R L. GROUN	D	m 1.0m x 1.5m
	SOIL DESCRIPTION GROUP NAME GROUP SMALLESTS		OG OF EXC		enter por nis A
	Medium to Fine grain Bearing few pebble	_			
		60-			
	1	65			
SAND	Coarse grained, Bearing some to little	75		59	
	pebbles.	80—			
		8.5			
		9,0			
	Base of Hole 10.	0m –			

LOCATION CO-ORDINATES:	Sembo	- (CC	POWER	R DEVELO NG ENGIN ID AUG FEATU	DPMENT COMPAN EERS) BER HOLE LO RE RIGHT	Y OG Bank	SHEET LOF
DETAILS OF LOC					U	it 1	m .Om x 1.5m ssive Boring Ø 1
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPU No.	l .
SAND		Fine grained Continued.	25 30 35 40 55 60 65			60	Base of pit Hole :

;

Details of Locality Details of Locality Soil Performed By Soil Description GROUP NAME GEOLOGICAL DESCRIPTION GROUP NAME DESCRIPTION Of Vegitation Of vegitation Soil Performed By Soil Description GROUP NAME COMMENTS Bearing dust of vegitation Cording: Lower layer Somewhat Codrser than upper. 70- Sample Soil Soil Description GROUP NAME Codrser than upper. 70- Sample Soil Performed By Soil Description Name Somewhat Codrser than upper. 70- Soil Type OF EXCAVATION Supple Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Somewhat Codrser than upper. 70- Soil Type OF EXCAVATION Supple Permea Billity Na Comments Bearing dust of vegitation Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF EXCAVATION Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea Billity Na Comments Soil Type OF Excavation Supple Permea	LOCATION	(CON TEST Pi <u>ambor Project. CAMBÓD</u> IA.	OWER DEVELO SULTING ENGINI T AND AUG FEATUR	PMENT COMPAN EERS) EER HOLE LO RE <u>Right I</u>	Y OG Bank	(SHEET 2 o
SOIL TYPE GEOLOGICAL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES HOLE Bearing dust of vegitation Grading: Lower layer as somewhat coarser than uppea. 70— SAND Bearing small size pebbles lom dio Bearing as small size pebbles lom dio Bearing small size pebbles lom dio Be	· ·			ROUND	PIT m	[•Om x 1•5m
Bearing dust of vegitation 55- Grading: Lower layer 65- somewhat coarser than uppen. 70- small size pebbles lam dio 85- 10- 100- 100- 100- 100- 100- 100- 100				EXCAVATION	SAMPLE	An DOLING N
Grading: Lower layer 65— somewhat coarser than upper. 75— small size pebbles 1 cm dia 85— 90— 95— 90— 95— 90— 95— 90— 95— 90— 95— 90— 90— 90— 90— 90— 90— 90— 90— 90— 90		6 ω (LARGEST AND SMALLEST SIZES	HOLE	FERMEA BILLIT	NO	- -
	SAND	Grading; Lower layer somewhat coarser than upper. Bearing small size pebbles 1cm dia	60		60	
		Base of Hole 10.0m				

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	LOCATION		mbor Project, CAN	IRODI	A. FEATU	RE Léft	В	ınk
			11 Km 830 N L 396Km				22	m 350
	DETAILS OF LO	CALITY	DETAILS OF LOCALITY	<u> </u>	YE TYPE		1.0	m x I. 5 m
	GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	SILTY	T	fine grained.	Τ.		, , , , , , , , , , , , , , , , , , , 	 	
	SAND	ML	brown.	-	17			Containing plant roots.
	<u> </u>	-		οs	///			
			silfy clay with sand	=	1111			with lateritic nodules 0.5 cm dia.
j		1	and complately weathered	-		•	<u>:</u>	
			sandstone boulders.	10-			[:]-	shrinkage cracked
	CLAYEY	SC	Mottled yellowish	-				damp in places
	SAND			1.5	1999			
			brown and pale grey.	-	125/1			
İ				=	1911			
	<u> </u>		Constant in the second of	20—				
	•		Completely weathered	_]]			massive,
}	SANDSTONE		yellow	25	• • • •			damp,
	•		to yellowish brown	_				
	,			_	base of	pit, 2.7 m.		
				3.0—		, <u></u> ,		
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LOCATION	C	(CON TEST PI	OWER SULTIN	DEVELOR IG-ENGINE	PMENT COMPAN' ERS) ER HOLE LO	y. O G	LP -2
		bor <u>Project. CAMBO</u> 12 <u>km 540 N 1,396 km 8</u>					m 3 50
		DETAILS OF LOCALITY (m x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION		SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES			EXCAVATION PERMEA BILITY	SAMPLE No.	
CLAYEY SILT	CL	gray, clayey silt Containing few angular sand stone(30 cm dia.)					Containing plant r
SILTY CLAY		reddish yellow, medium plasticity,	0.5				shrinkage crac
SANDSTONE		sedentory soil with weathered sandstone Completely decomposed due to weathering,	10				moistured in pla
		completely weathered yellow.	15	1////			massive stat
			25_	•			
			3.0				
,		1	40				
			45				, consistent
			50				
			55				
			6.5				

* 77° - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	,	OVERSEAS TECHNIC		00DE114T	0-2		SHEET I
		OVERSEAS TECHNIC	POWI	COLEKA! K	OPMENT COMPA	YO, JAF	AN. LP - 3
	• • •	(• CC	NSULT	ING ENGII	VFFRS)	_	· / LP - 3
LOCATION	` Sar	nbor Project CAM		ND AU	GER HOLE	LOG	•
CO-ORDINATES	: E 6	13 Km 280 N 1,397 Km	480		. —————,	II B	
		DETAILS OF LOCALITY			OF EXCAVATION	4.	_m <u>150</u>
SUIL LIPE -	트 리	SOIL DESCRIPTION	DEPT			1.0	m x i.o m
GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME	. OF	1	FEXCAVATION	SAMPL	COMMENTS
	၂ၒ ၯ	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILIT	/ Na	
SILT	ML	pale red, sitt , fine		1/2/2. /		-, -	<u>-</u>
	-	pale red, silty clay	-[.	7//	4		with grass roots.
	İ	tine.		1///	1		
ŀ			Q5_	<u> </u>	1		
	1	yellow, silty clay,	-	7.7			
		with some jutaritic noduk		7 . 191	1		
	1	O. 5 cm dia	110 -	1%	2		
SILTY		and calc nodules 0.5an dia	.) :] .			
CLAY	CL	yellow silty clay	1 5 _		-	ল	đamp.
		yellow silty clay	-	1. /			1
		low to meditum] -			E E	
		plastic, fine,	20_		1	3	ļ
		hard and moist	:	1/1/1/	1		
		in place, with	-]. 6	İ
1		moderately weathered	25				
		sands ton es,]	11.17			
			-	1777			•
			30-	11/1/			
	1 1	medium grained.	-	· · · ·			
j		•	-	•			massive state
SANDSTONE	GW	highly weathered.	3.5 —				damp
		yellaw.] =	• • •			uamp.
	,	yerlow.	40	• •		1 1	
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<u> </u>			-] [
			45		_	† †	
			_	base of	pit, 4.4 m.		
			_				
			5.0—			1 1	
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		_, i	Í	ļ			
HOLE MADE BY JAP		I		•			OGGED BY N.Y

SILTY CLAY CL hard and dry in place Completely weathered Sheeting is spaced Sheeting is spaced Sheeting is spaced Sheeting is spaced To San, in sige. Particily clayer due to strong weathering. With soft limy materials 35 base of plt. 34 m. HOLE MADE BY JAPAN. LOGGED BY N.Y.		`	-	OVERSEAS TECHNIC	AL CO	OPERATIO	N AGENCY TOKY). JAPA	EXCAVATION NUMBER
CONSULTING ENGINEERS) TEST PIT AND AUGER HOLE LOG FEATURE Left Bank CO-ORDINATES. E.6.13 km. 750 N.1,397 km. 750 DETAILS OF LOCALITY OFTAILS. OF LOCALITY.Q-LINE SOIL TYPE OF EXCAVATION SOIL TYPE OF EXCAVATION CESCRIPTION OF SO SOIL DESCRIPTION OF SOIL TYPE OF EXCAVATION CONSULTAND SMALLEST SIZES INCLE SAND M.L. Grayshan brown, 11.00 COMMENTS SAND ALTERITE S.C. Gray LATERITE S.C. Gray LA				ELECTRIC	POWER	R DEVELO	PMENT COMPAN	ν, υπι π Υ	"" LP - 4 - [-
LOCATION Sambor project, C.AMBOO NA CO-ORDINATE S. E. 13 Km. 750 N 1,397 km 750 DETAILS OF LOCALITY DETAILS OF LOCALITY OF THE OF EXCAVATION 1.0m x 1.5 m SOIL TYPE OF EXCAVATION SAME GEOLOGICAN ELSEMPTION 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				(COI	NSULTI	NG ENGIN	EERS)		
CO-GROWATES. E. G. S. KM. T. SON IL SOY M. T. SO. DETAILS OF LOCALITY DETAILS OF LOCALITY O-LINE SOIL TYPE OF EXCAVATION SAMPS GEOLOGICAL DESCRIPTION S. SOIL DESCRIPTION GEOLOGICAL LARGEST AND SMALLEST SIZES WOLE SAND M. L. GROUP NAME LARGEST AND SMALLEST SIZES WOLE SAND M. L. GROUP NAME LARGEST AND SMALLEST SIZES WOLE SAND M. L. GROUP NAME LATERITE S. G. GROY AND STAND STAND STAND STAND STAND STAND SAMPS LATERITE S. G. GROY A STAND STAND STAND STAND STAND STAND STAND SAMPS SAND M. L. GROUP NAME LATERITE S. G. GROY A STAND STAN		LOCATION	Sam	IESI PI	I- AN	ID AUG			
DETAILS OF LOCALITY DETAILS OF LOCALITY Q-LINE TYPE OF EXCAVATION 1.0m x 1.5m SOLUTION SECULOGICAL GROUP NAME COUNTY OF THE COU		1						† -Ba	ink
SOIL TYPE GEOLOGICAL DESCRIPTION SOID SOID SOID SOID SOID SOID SOID SOID									
SAND ML GrayAb brown, Silty sand, fine. OS 0.0. SILTY CLAY						_		7	X 1. J
SAND ML SITY sand, fine. LATERITE SC gray DS 000 SILTY CLAY			38	SOIL DESCRIPTION GROUP NAME	DEPTH	LOG OF	EXCAVATION	SAMPLE	COMMENTS
SAND ML Sitty sand, fine. LATERITE SC 9799 yellowish gray yellowish		DESCRIPTION	S S S	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Nα	
SAND ML Sity and, fine. LATERITE SC 9'ey ysilowish gray ysilowish gray ysilowish gray Sity clay, hard and dry in place CLAY CL			,						
LATERITE SC Gray OS of of laterite additables SILTY CL pationish gray silly etay, hard and dry in place Completely weathered Sheeting is spaced O.S to 15 cm., 's largest debris to 5 cm, in sige. Partially clayer due to 15 inon, with soft limy materials STALE O.S to 15 cm., with soft limy materials STALE O.S to 15 cm., 's largest debris to 5 cm, in sige. Partially clayer due to 5 inong weathering. With soft limy materials STALE O.S to 15 cm., 's largest debris to 5 c		SAND	ML	grayish brown,	-	21.00			
SILTY CLAY CLAY SILTY CLAY CLAY CLAY CLAY Shaeting is spaced O.5 to 15 cm. ' largest debris to 5cm, in sige. Particily clayer due to strong weathering. with soft limy materials Shaet ng Shaeting is spaced O.5 to 15 cm. ' largest debris to 5cm, in sige. Particily clayer due to strong weathering. with soft limy materials Shaet ng Shaeting is spaced O.5 to 15 cm. ' largest debris to 5cm, in sige. Dase of plt, 3.4 m. 40 45 60 65 HOLE MADE BY JAPAN. LOGGED BY N. Y.			"	sifty sand, fine.	=	1/1	1	1	
SILTY CLAY CL yellowish gray silty cloy, hard and dry in place Sheeting is spaced Sheeting is spaced		LATERITE		gray	0.5_	×			1-1-1-105-10
SILTY CLAY CL hard and dry in place Completely weathered Sheeting is spaced 0.5 to 15 cm.			+	vellowish argy	-	, , , ,	1		dia dia
CLAY Description by weathered Shalle O.5 to 15 cm.				1 .	-	1.77	1		
CLAY place complete by weathered Sheling is spaced O.5 to 15 cm. ' largest debris 10 5cm. in sige. Particity clayer due to strong weathering. with soft limy materials 30 45 45 40 HOLE MADE BY, JAPAN. LOGGED BY N. Y.		SILTY	CL	hard and dry in	10-	1/2			egie nadulas
Completely weathered Sheeting is spaced O.5 to 1 5 cm, ' largest debris to 5 cm, in sige. Partially clayer due to strong weathering, with soft limy materials 35 base of pit, 3 4 m. HOLE MADE BY JAPAN. LOGGED BY N.Y.		CLAY	Ĭ	· •	_	11/2/			
SHALE Sheeting is spaced O.5 to 15 cm. I largest debris To 5 cm, in singe. Partially clayed due to strong weathering. with soft limy materials 35 base of plt, 3 4 m. HOLE MADE BY JAPAN. LOGGED BY N. Y.	7	1			-	14.			
Shaeting is spaced O.5 to 15 cm. I largest debris to 5 cm. in sige. Partially clayer due to strong weathering. With soft limy materials 35 base of pit, 3 4 m. 40 HOLE MADE BY JAPAN. LOGGED BY N.Y.			 - -		1.5 _	11/11/		1	
Shaeting is spaced O.5 to 15 cm. I largest debris to 5 cm. in sige. Partially clayery due to strong weathering. with soft limy materials 35 base of pit, 3 4 m. HOLE MADE BY_JAPAN. LOGGED BY N.Y			1	completely weathered	=			İ	
SHALE 0.5 to 15 cm. 1 to see; 1 debris 10 Sem, in sige. Partially clayey due 10 strong weathering. With soft limy materials 35 base of pit, 3 4 m. 45 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60					-				
HOLE MADE BY JAPAN.				Sheeting is spaced	2.0_				Bedding;
to Scm, in sige. Partially clayer due to strong weathering. with soft lumy materials 35 base of pit, 3 4 m. 45 50 50 50 50 50 50 50 50 50 50 50 50 50		SHALE		•	=	•			strike N 25°E,
Partially clayey due to strong weathering. with soft limy materials 35 base of pit, 3 4 m. 45 5 60 60 60 65 60 60 65 60 60 60 60 60 60 60 60 60 60 60 60 60		1		•	-			1	địp 65° NW
to strong weathering. with soft limy materials 35 base of pit, 3 4 m. 45 50 55 60 60 65 65 65 65 65 65 65 65 65 65 65 65 65				to 5 cm, in sige.	25				
3.0— 3.5— base of pit, 3.4 m. 40— 45— 50— 65— HOLE MADE BY_JAPAN,		İ		Partially clayey due] =				İ
35 — base of pit, 34 m. 40 — 45 — 50 — 65 — 65 — 65 — 65 — 65 — 65 — 6				to strong weathering.	1 =				
# HOLE MADE BY_JAPAN				with soft limy	3.0—				
HOLE MADE BY_JAPAN		1		1	=				
HOLE MADE BY_JAPAN									
40					3.5	base of	pit. 3.4 m.		
45					=				
45		1	1		=				
50— 55— 60— 65— HOLE MADE BY_JAPAN					40				
50— 55— 60— 65— HOLE MADE BY_JAPAN] =				
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Iconsence 12 Nov 63 I		1		1					
DRAWN BY H 5		COMMENCED 12.	Nov, 'e	33					DRAWN BY H S.

LOCATION	Sam	(CON	OWER SULTIN	R DEVELO NG ENGINE ID AUG	PMENT, COMPANI ERS) ER HOLE LI	Υ,	LP-5
CO-ORDINATES		14 Km 250 N 1,398Km		R.L. GF			m300
DETAILS OF LO	CALITY	DETAILS OF LOCALITY (D-LIN	E TYPE (OF EXCAVATION	i. O n	n x l.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION'	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		grayish brown.	_	1111	<u>-</u>	·	-
LATERITE	sc	reddish brown.	0.5	• • •		2.73	interitic node
SHALE and SANDSTONE	G C	Strongly weathered and stainted to yellow.	10			C - 47	Sandstone is f grained and join Bedding; strike N 150 dip 500
		in angular.	2.0— 2.5— 3.0— 3.5— 40— 45— 5.0—	base of	pit, 16m		
-			6.5				

SEET NO.134 OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)
TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 614 Km 900 N 1,398 Km 120 R L GROUND 31 m 400 DETAILS OF LOCALITY DETAILS OF LOCALITY O-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m SOIL TYPE GEOLOGICAL SOIL DESCRIPTION GROUP NAME LOG OF EXCAVATION SAMPLE DEPTH OF COMMENTS DESCRIPTION LARGEST AND SMALLEST SIZES HOLE PERMEA BILITY. No. grayish brown, Containing LATERITE SC with grass root. lateritic nodules. dry. yellowsh brown cohesive. SILTY Include s o me calc СН CLAY nodules 2.5 cm dia. dry. . yellowish CLAYEY with CL highly SILT weathered shale fragments. due to highly degreed weathering, SHALE closely jointed base of pit, 28 m. 3.0-35 60-HOLE MADE BY JAPAN LOGGED BY N.Y COMMENCED 16, Nov, 63 DRAWN BY H.S. COMPLETED 19, Nov. '63 CHECKED BY 14.W

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN. LOCATION Sambor Project, CAMBADINA TEST. PIT AND AUGER HOLE LOG: CO-ROBARTS: E.U.S EM. 50.0 N. J. 598 Em. 480. CO-ROBARTS: E.U.S EM. 50.0 N. J. 598 Em. 480. CO-ROBARTS: E.U.S EM. 50.0 N. J. 598 Em. 480. CO-ROBARTS: E.U.S EM. 50.0 N. J. 598 Em. 480. COULTYPE CONCLINT DETAILS OF LOCATIVE OF CONCLINT OF LARGEST AND SMALLEST SIZES HOLE COULTYPE COECUMENT OF LARGEST AND SMALLEST SIZES HOLE COULTYPE COECUMENT OF LARGEST AND SMALLEST SIZES HOLE SOIL TYPE COECUMENT OF LARGEST AND SMALLEST SIZES HOLE SILTY CLAY CL COMMENTS CL CL COMMENTS CL CL COMMENTS CL CL COMMENTS CL CL COMMENTS CL CL COMMENTS CL CL CL CL CL CL CL CL CL CL CL CL CL C			- ji taji k	OVERSEAS TECHNICA	L: CO	OPERATION	AGENCY TORY). JΔΡΔ	N. EXCAVATION NUMBER
TEST PIT AND AUGER HOLE LOG CO-ORDINATES E 615 SM 50.0 N 398 Km 480 RL GROUND 35 m 300 DETAILS OF LOCALITY DETAILS OF LOCALITY OF LAISE SOLD ESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE GEOLOGICAL SOLD ESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE DESCRIPTION SO IN LESCRIPTION DEPTH LOG OF EXCAVATION NO COMMENTS SILTY: SAND ML 11ee. SILTY: SAND ML 11ee. SILTY: CLAY CL yellow. CL yellow. CL yellow. CL yellow. CL yellow. CL yellow. CL yellow. GE Sounderly weathered. Perticity. clayey due to high degreed. Ferminately: weathering. Bearing lim, nodules 15 to 3m. Irrogest site of rock Fragment to Scm. SOL DESCRIPTION DO FOR MAN A00°E, dip 75° NW Seeding is specied 1 to 2 tm. HOLE MADE BY LA PAN. LOGGED BY N. Y. LO	•		37: Z	ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	Υ	````.、LP7-
LOCATION Sambor Project. CAMBODIA FEATURE Left Bank CO-OHMANTES E 615 KM 500 N 1 398 KM 480 R L GROUND 35 m 300 DETAILS OF LOCALITY DETAILS OF LOCALITY O'LINE "TYPE OF EXCAVATION 1.0 m x 1.5 m SOLL TYPE GEOLOGICAL S G SOLL DESCRIPTION OFFINE CO. OF EXCAVATION SWAPE OF DESCRIPTION OF LOCALITY O'LINE TYPE OF EXCAVATION SWAPE OF DESCRIPTION OF LOCALITY O'LINE COMMENTS SILTY CLAY CL Yellow. CL Yellow. CL Yellow. CL Yellow. CL Yellow. CL Yellow. CL Yellow. SHALE SC die. to 0.5 cm, or so. 10 0 0 0 Searing lim/ nodules 15 15 3 m. 15 15 3 m. 15 16 3 m. 15 17 2 m. 15 17 2 m. 16 18 18 18 18 18 18 18 18 18 18 18 18 18		* =	, .					, , , , , , , , , , , , , , , , , , ,	
CO-ORDINATES E 615 MILSON N 1398 KM 480 RL GROUND 35 m 300 DETAILS OF LOCALITY DETAILS OF LOCALITY OF LOG OF EXCAVATION LOG OF EXCAVATION SOFT LOG OF LOG OF EXCAVATION SOFT LOG OF EX	1.1.	LOCATION							n dagan a da a da a da a da a da a da a
DETAILS OF LOCALITY DETAILS OF LOCALITY Q-LINE TYPE OF EXCAVATION LO m x 1.5 m SOLL DESCRIPTION OF THE COLOR OF EXCAVATION SAMPLE OF PRINCE BILLY NO COMMENTS SILTY SAND ML Grayin brown. SILTY CLAY CL Feddish brown. CL Yellow. CL Cay to to high degreed. SHALE SC wine their degreed. SHALE SC wine their degreed. SHALE SC wine their degreed. For wine their degreed. Shale SC wine to Scm. Shale SC wine to Scm. Shale SC wine to Scm. Soll Description Log of Excavation Sample Comments Sample Comments Sample Comments Sample Comments. SHALE SC wine their degreed. Shale Sc wine their degreed. Shale SC wine their degreed. Shale SC wine their degreed. Shale Sc wine their degreed. Shale SC wine their degreed. Sha	14 14 14 14 14 14 14 14 14 14 14 14 14 1					=			
SOIL TYPE GEOLOGICAL GEOUPY NAME GROUP									
SILTY. SAND ML (fine.) SILTY CLAY CL reddish brown. CLAY CL compilely westhered. Particular clayer due to high degreed. Reacheding. Bearing limy nedules 15 to 3am. 16 quest size of race 25 fragment to 55m. SOULTMADE BY LAPAN. Note that the state of th								-	
SILTY. SAND ML (fine.) SILTY CLAY CL reddish brown. CLAY CL compilely westhered. Particular clayer due to high degreed. Reacheding. Bearing limy nedules 15 to 3am. 16 quest size of race 25 fragment to 55m. SOULTMADE BY LAPAN. Note that the state of th		GEOLOGICAL	Page Mark	GROUP NAME	OF	200_01		- -	COMMENTS
SILTY: SAND ML fine. fine. CLAY CLAY CLAY CLAY CLAY CLAY CLAY CLA	;	~.	0 0	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	<u> </u>	1	, , , , , ,
SAND Intervention SILTY CLAY CL reddish brown, dia. to 0.5 cm, or so. 10 0 0 0 O 0 O 0 Redding; strike N40°E, dip 75°NW Sheeting is spaced I to 2 cm. Shale CC reddish brown, o 0 0 O 0 O 0 O 0 Redding; strike N40°E, dip 75°NW Sheeting is spaced I to 2 cm. Sharing timy nodules Is to 3 cm. largest size of rock 25- fragment to 5 cm. So 0 O 0 O 0 O 0 O 0 O 0 O 0 O 0	_		-	grayish brown,		7777			<u></u>
SLTY CLAY CL reddish brown, dia. to 0.5 cm, or so. CL yellow, compicially: weathered. Partially, clayey due to high degreed. SHALE CC weathering. Bearing limy nodules is to 3 cm. iargest site of rock fragment to 5 cm. 30 base of pli, 2.8 m. CL Shale COGGED BY N.Y			ML		_				with roots.
LATERITE SC data brown, data to 0.5 cm, or so. CL yellow, compicially weathered. Pertially clayey due to high degreed. Searing limp nodules is to 3 cm, i argest size of rock fragment to 5 cm. 30 base of plit, 2.8 m. COGGED BY N.Y		SILTY	,		Ξ	1777	-	1: -	,
LATERITE SC dia. to 0.5cm, or so. 10 - 0		CL'AY,	CL	:	0.5	11/1/1/			
CL yellow, completely weathered. Particulty clayey due to high degreed. SHALE GC weathering. Searing limy nodules is to 3 am. I largest size of rock frogment to 5 cm. 30 base of pit, 2.9 m. 35 - 50 - 55 - 50 - 60 - 65 - 65 - 65 - 6		_	-	reddish brown,	1 =	1 "			
CL veilox, compilety weathered. Partially, clayey due to high degreed. Weathering, Bearing limy nodules is to 3am. largest size of rock 25		LATERITE	sc-	did. to 0.5cm or so.	-	, 0		1	dry,
Partially. clayey due to high degreed. Weathering. Bearing limy nodules 15 to 3m. largest size of rock fragment to 5cm. 30 base of pit, 2.8 m. 40 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	_				-	, 0			
Partially. clayey due to high degreed. Weathering. Bearing limy nodules 15 to 3m. largest size of rock fragment to 5cm. 30 base of pit, 2.8 m. 40 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	- 1		1	yellow,] =			3	
SHALE GC GC GC GC GC GC GC GC GC G			L	complately weathered.	15 -			3	1
SHALE GC weathering Searing lim; nodules 15 to 3am. larges1 size of rock fragment to 5cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm. Sheefing is spaced 1 to 2cm.]	Partially clayey	_				_
SHALE GC weathering. Bearing flmy nodules 15 to 3am. 1 trogest size of rock fragment to 5cm. 30 base of pil. 2.8 m. 40		=	<u>-</u> -	due to high degreed.	-				
Bearing 11my nodules 15 to 3am. 1argest size of rock fragment to 5cm. 30— 40— 45— 50— 60— 65— HOLE MADE BY_LAPAN	-	SHALE	G C	weathering.	20_			13.4	
largest size of rock 25				Bearing limy nodules] [I to 2 cm.
10 Scm. 30 base of pill, 2.8 m. 40 50 50 50 50 50 50 50 50 50 50 50 50 50				15 to 3 cm.] [3	
30— base of pit, 2.8 m. 35— 40— 45— 50— 60— 65— HOLE MADE BY_LAPAN				largest size of rock	25				
30— 35— 40— 45— 50— 55— 60— 60— 65— HOLE MADE BY JAPAN—		_		fragment to 5cm.	=				
35— 40— 45— 55— 60— 65— HOLE MADE BY JAPAN—				. <u>-</u>	-	base of	pit, 2.8 m.		
40					30-	1			
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40					35 —	1			
45————————————————————————————————————					-	-			
45————————————————————————————————————		_			-	}			
50— 55— 60— 65— HOLE MADE BY_LAPAN				•	40_	1	1		
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50— 55— 60— 65— HOLE MADE BY_IA_PAN					-	1			
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HOLE MADE BY_LAPAN					5.0	1		ļ	
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HOLE MADE BY_LAPAN					35	-			
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HOLE MADE BY LA PAN LOGGED BY N Y.		-			-	1			
HOLE MADE BY LA PAN LOGGED BY N Y.					-]			
HOLE MADE BY LA PAN LOGGED BY N Y.					6.5 —	1		1	
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		HOLE MADE BY_L	a P.AN						LOGGED BY N Y.
		1							DRAWN BY H.S

EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TORYO, JAPAN LP - 8 ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)
TEST PIT AND AUGER HOLE LOG
AMBODIA FEATURE Left Bank LOCATION Sambor Project, CAMBODIA. R.L GROUND 42 m 900 --CO-ORDINATES: E 616 Km 080 N 1,398 Km 670 DETAILS OF LOCALITY DETAILS OF LOCALITY THE TYPE OF EXCAVATION 1.0m x 1.5m SOIL TYPE GEOLOGICAL DEPTH LOG OF EXCAVATION SOIL DESCRIPTION SAMPLE COMMENTS GROUP- NAME PERMEA BILITY No DESCRIPTION LARGEST AND SMALLEST SIZES SILTY SAND ML grayish' black. with grass roots reddish brown. 05 almost LATERITE In cluding laterite SC nodule 2.5 cm dia. 10 reddish yellow, SILTY CL CLAY completely weathared. damp. sha le silty clay. dark grey. grey with soft limy moterials in part. pit. 3 5 m 40. 45 50-55 60. 6,5 LOGGED BY N.Y. HOLE MADE BY JA PAN DRAWN BY H.S COMMENCED 17, NOV, '63 CHECKED BY K. W. COMPLETED 21, NOV, '63

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 	LOCATION	Samb	or Project, CAMBODIA	T-A!	VD AUG	ER-HOLE L		_ * - : :	
= =			Km N Km		i	ROUNDB	<u>onk.</u> - 42	m 600	
	DETAILS OF LOC	ALITY	DETAILS OF LOCALITY	<u>0-li</u>	NE TYPE	OF EXCAVATION	1. O r	n xl. 5 m	
	SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	- I	EXCAVATION PERMEA BILITY	SAMPLE Na	COMMENTS	
- 	SILTY SAND	ML	gray, silty sand		7///		· · · · ·	many roots.	
-		-	reddish brown.	\ 	,,,,,,,,		-	dried.	-
^	CL AYEY	-	with weathered shale fragments A gravels 5am dia, (conglomerate)	05-				dried.	-
	GR AV E L	G C	pate brown, Including weathered pebble of limestane and sandstone. (20 and i.a.i.) Bearing plenty of limy powder - tike materials and nodules in greyish rellow matrix.				<u> </u>	damp.	
				3.5 — 40 — 4.5 — 555 — 60 — 65 — 65 — 65 — 65 — 65 —	base of	pli, 3.2 m			

2,

SHEET, NO.138 OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS) TEST PIT AND AUGER HOLE LOG Sambor Project, CAMBODIA LOCATION FEATURE Left Bank CO-ORDINATES: E 61 6 Km 470 N 1,399 Km 560 R L GROUND 44 M 000 DETAILS OF LOCALITY DETAILS OF LOCALITY THE TYPE OF EXCAVATION 1.0 m x 1.5 m SOIL TYPE GEOLOGICAL SOIL DESCRIPTION GROUP NAME LOG OF EXCAVATION DEPTH SAMPLE OF DESCRIPTION COMMENTS PERMEA BILITY LARGEST AND SMALLEST SIZES No. HOLE SILTY gray МL SAND roots. reddish brown. α5 dried. S C LATERITE reddish brown, - with dried. shale fragments. -yellowish CLAYEY sulf_ with clayey SILT weathered shale CL fragments. completely weathered. damp. clayey in 20 SHALE hardiy jointed. grey yellow. Bedding; with some weathered strike limy nodules, 70°E, ? d i p 2.7 m. 3.0 3.5 50 55 60 65 HOLE MADE BYJAPAN LOGGED BY NY. COMMENCED 20, NOV, 63 DRAWN BY H. S. COMPLETED 24, NOV, '63 CHECKED BY K.W.

			OVERSEAS TECHNICA	L CO	OPERATION	N AGENCY, TOKY), JAP	SHEET NO.139 EXCAVATION NUMBER
· · ·			ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	Υ	"
			(.60%) TFST PI	ISULTI T AN	NG ENGINE	ERS) ER HOLE L		الني المستعلقية المعاراتي
	LOCATION -	Samb	or Project, CAMBOD	i Ai	FEATUI	RES Left	JG B/	. nb
			6 Km 630N1,399Km					m 300
		-	DETAILS OF LOCALITY (-				
- 1							SAMPLE	1
1.	GEOLDGICAL DESCRIPTION	GROUP SYMBOL	GROUP NAME	OF		PERMEA BILITY	7	COMMENTS
		១ភ	LARGEST AND SMALLEST SIZES	HOLE	L	TEMBER BIETT	1,110	
_	LATERITE	sc	grayish & dark grayish		0 0	<u> </u>	<u></u>	
		30,	laterite zone.		0 0 0	, ^= -		mony_nodules (0.5 cm dia.).
	- 3		pale yellow.		1///			1 7
ı	CLAY	-	=with weathered -	0.5 —		-	a .	molstured
s		CL	shale fragments,	-		-	1 -	to dried.
-	-	_	, -		1/2	-	<i>z</i> =	
İ	-		completely weathered.	10 -			2 6	compact and dry.
-	CHALE		with some quartz	-			芦苇	Bedding planes are
-	SHALE -	-	veinlets I to 2cm thick	15 —		-	e e	spaced 4 to 6 cm in-
Ì	-		on bedding planes.	']		= -	strike of N 65°W and
ŀ			<u> </u>				ļ	dip of 65° NE.
- 1	_	~-	- · ·	2.0	base of	pit , I.8m.	,	
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ļ,	HOLE MARS DV. I A	DAN.						LOCCED BY N Y
	HOLE MADE BY JA							LOGGED BY N. Y
								DRAWN BY H. S
	COMPLETED 21, N	OV (6	3				[CHECKED BY 14.W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER LP:-12-ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS) TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project CAMBODIA FEATURE Left Bank CO-ORDINATES . E 617 Km 380 N 1,40 Cm 260 R L GROUND 41 m 20 DETAILS OF LOCALITY DETAILS OF LOCALITY - TYPE OF EXCAVATION I. O m x 1.5 m SOIL TYPE SOIL DESCRIPTION DEPTH LOG OF EXCAVATION GEOLOGICAL SAMPLE GROUP NAME OF COMMENTS DESCRIPTION LARGEST AND SMALLEST SIZES HOLE PERMEA BILITY Nα Bearing plenty of CLAY with plant weathered and ferrugino-us shale fragments. with few and fine yellow. plant roots. SHALE Highly weathered and damp, and clayey due to weathering sheeted in part. **SANOSTONE** Bedding; N 20° W, strike yellow to pale grey, dip 60° NE 1.5 m 20 2.5 45 50 55 60 6.5 HOLE MADE BY JA PAN LOGGED BY N.Y. COMMENCED 22, NOV, '63 DRAWN BY H S COMPLETED 23, NOV, '63 CHECKED BY A.W

			(_CON	POWE F	R DEVELO	PMENT COMPAN ERS)	Y :	L P - 13
٠٠ <u>٠</u>	LOCATION	am ho	TEST PI			ER HOLE L	OG . Bank	
	1 1 2		17 Km 750 N1,400 Km					m 50
I	- AT		DETAILS OF LOCALITY (DF EXCAVATION) m x 1.5 m
	SOIL-TYPE GEOLOGICAL DESCRIPTION	SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	-				-	_	1	<u>. : : : : : : : : : : : : : : : : : : :</u>
		-	dark grayish brown.		0 *			much roots,
	LATERITE	sc	laterite zone.	-	٠,		ļ.	Including nodules (O 5cm di
			red brown laterite zone.	α5 <u></u>	. 0	6	3 E	many nodules (0.5 cm dia).
			Clayey due to	=			7 -	dried
	SHALE	 	yellow.	<u>-</u>	(0		∯ A.	dried. Sheefed in part.
		ļ <u>.</u>	ye (10w.	10	===			compact.
				_	base of	pit, l.im.		Bedding:
	,			15				strike N20°E, dip 80° SE.
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	HOLE MADE BYJ							LOGGED BY N. Y
	COMMENCED 22,	NOV,	<u>′63</u>					DRAWN BY H. S.
ł	COMPLETED 23,	NOV	63					CHECKED BY K.W.

LOCATION		TEST PI	POWEI ISULTII T AN	R DEVELO NG ENGINI ND AUG	PMENT COMPANI EERS:). ER HOLE LI	Y OG <u>-</u> .	EXCAVATION NUMBER
ا ساسه		Project CAMBODI 18 km 300 N 1,400km		_	RE <u>Left B</u>		
	-	DETAILS OF LOCALITY			ROUND		m 50
SOIL TYPE						, :	
GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME	OF -	[-	EXCAVATION - PERMEA BILITY	Sample Na	COMMENTS
	1001	LARGEST AND SMALLEST SIZES	IUNTE	<u>.</u>		_ ···	<u> </u>
	T	dark grayish brown.	1	. 0		, 	<u> </u>
LATE RITE	sc	reddish brown.] =	, ,			many nodules.
	<u> </u>			0,5		a	್ತ್ರ್ನ (0.5 cm dia)
] .	completely weathered,	05				partially sheeted
		clayey in part.					compact.
SHALE	}	yellow.	=				Bedding;
			10-				strike N 35°E,
			-				dip 80° SE.
			, -	base of	pit, 13 m		
			15—				
			=			1	
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			3.0—		•		
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DLE MADE BYJ						ļ	LOGGED BY N Y
		1					
MMENCED 25.1	100, 6	<u>3_</u>				į	DRAWN BY H S.

				POWE NSULT	R DEVELO	PMENT COMPAN EERS)	Ý.	SHEET NO:143 EXCAVATION NUMBER L. P - 15	
, , ,	LOCATION	Sam b	OF Project, CAMPON	ΙΛ 🤄	FEATU	ER HOLE L	. 1. "	· · · · · · · · · · · · · · · · · · ·	
* 1	CO-ORDINATES	E_6	18 _{Km} 750 _N 1,400 _{km}	720	ŘL. G	ROUND TO BUT	3.7	m00	
	DETAILS OF LO	CĀLITY	DETAILS OF LOCALITY	<u> Մ</u> -ևո	IE TYPE	OF EXCAVATION		m v l 5 m	*
	SOIL TYPE-	्रिडू	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTI	LOG OF	·	SAMPLE		
-	DESCRIPTION	GR(LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	-	COMMENTS	٠ -
· -		`					<u>.</u>		
			grayish yellow laterite.	-	0 ,	_		many nodules,	+
	LATERITE			վ :	- , ·	-	÷	(05~2cm dia)	_ _
		s c	yel lowish laterite.	0.5			<u></u>		
C			yellowish fat clay,	:	1226				
	CLAY			:	11/2/				
		CH		10-	1977		j.		
				_	10/0		3 2		_
٠ -			Highly weathered	15 —				<u> </u>	
			with clay films	-	F-X/-				
	SHALE	Ì	on bedding planes	-			[}		-
			yellow,	20-	<u> </u>		直		
			_	-				jointed. compact.	\
				- - -	base of	pit. 23 m	 		- ``
				25_		, , , , , , , , , , , , , , , , , , ,		Bedding; strike N 10°E,	
				-				dip 70° SE.	
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	HOLE MADE BY JA						ļŧ	OGGED BY N. Y	
ļ	COMMENCED 25,1	10V, '6	3					DRAWN BY H. S.	
	COMPLETED 28,							CHECKED BY 14.W.	

LOCATION	OVERSEAS TECHNICA ELECTRIC P (CON TEST PI Sambar Project, CAMBODA	OWER DEVELO	PMENT COMPANY	LP - 16	
CO-OPDINATES	Sambor Project. <u>CAMBODIA</u> : <u>E 619 km 370 и 1,400 km</u>	FEATU	RE Left B	<u>ank</u>	
DETAILS OF LO	CALITY DETAILS OF LOCALITY (DILLING TYPE	ROUND	36 m Q Q	
SOIL TYPE	A SOL PECCHIPTION	DEPTH LOG OF		1.0m x 1.5m-	
GEOLOGICAL DESCRIPTION	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	PERMEA BILITY	COMMENTS	_
SILT	dark gray silt.	-1/1/2		top soil.	
	Clayer due to completely decomposition for weathering greyish	05		with fine pla	ant roof
SHALE	yellow.	<u> </u>		compact. Bedding plan	0.
	Clayey in part Bighly weathered	10		spaced 15 to	4 cm in
		base of		dip of 70° S	Ε
		1,5	pif, 12 m.		
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		60_			
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		35—			
DLE MADE BY JA I	L I	I ļ		LOGGED BY N. Y.	
MMENCED 25, N				DRAWN BY H S	

Jan Barrell

	, 1	OVERSEAS TECHNICA ELECTRIC P	OWE	R DEVELO	PMENT COMPAN		EXCAVATION NUMBER
LOCATION (3)	u gf	TEST PI'	T AI	NDAUG	ER HOLE LO		-
		ir-Project, CAMBODIA 20 km 350 n 1,401 km (n k m 00
	- 40	DETAILS OF LOCALITY (*		
				_			1
GEOLOGICAL DESCRIPTION	GROU	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	LUG OF	PERMEA BILITY	Sample No	COMMENTS
		7'-, ' ' '- <u>-</u> ' <u>'</u> '- '-	<u> </u>	122223		r	1
GRAVELLY		grayish' black silt.	-				Including gravels (2,5 cm dia
SILT	GĊ	pale brown sandy silt.	-				lucluding gravels. (5cm dia,)
,		-	0.5—			# 	(Sem Bid.)
	-	somewhat weathered pebbles, cobbles and	-	0 / /			Pebbles and cobbles ar
		boulders in a yellow		6/,/		·	subangular to subround
CONGLOMERATE		ctay matrix.	-	6/6/6			and sort of them are quartz slate, shile
		forgest boulder, 25cm in dia	-	6/18			sandstone and quartzos
		:	i 5	base of	pit, I.4m.	 	boulden
			-	1		ĺ	(40 cm dla)
			-]			on bace of pit
			20	1		1	
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				1			
			6.5	<u> </u>			
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	11_5	- OVERSEAS - TECHNIC	ΛΙ <u></u>	OPERÁTIO	N ACENCÝ TOICE		SHEET NO.146 EXCAVATION NUMBER
-	ب	ELECTRIC CON	POWE VSULTI	R#DEVELO NG_ENGIN	PMENT COMPAN EERS)	Ý	LP 18
LOCATION	Som b	TEST PI or Project . CAMBOD	T Al	VD_AUC	ER HOLE L	OG.	
CO-ORDINATES	: <u>€_6</u>	20 кm 850 N 1,401 кm	320	R.L. G	ROUND	43	m 50
DETAILS OF LO	CALITY	DETAILS OF LOCALITY (D-LIN	E TYPE	OF EXCAVATION	1.0	m x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	PERMEA BILITY		COMMENTS
				- - ·		<u> </u>	- x
		grayish brown.	_			<u> </u>	many roots.
ATERITE		red brown.	1 -				
AICRITE	sc		0.5				nodules, (0.5cm dia,)
CLAY	СН	yellowish gray clay.	-	11/1/			
	CL	with limy nodules i to 15 cm in dia, cohesive.	10	1////			
SILT		yellow.		1////			
		Bearing completely	15 —	1////			Including
		weathered debris and fragments of	-	/////			Including gravels.
		shale.	20-				(3 cm dia)
				base of	pit, 20 m.		hard,
			25_				
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			30—				
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E MADE BYJLA.		-				և	OGGED BY NY
MENCED 28, N	OV, '63	<u>-</u>				D	RAWN BY H S.
PLETED 29,N	OV. '63						HECKED BY M.W.

	,			4- 1				SHEET NO.147
			OVERSEAS TECHNIC	AL. CO	OPERATION	AGENCY, TOKYC), JAPA	N. LP - 19
			e e e e e e e e e e e e e e e e e e e	NSULTII	NG ENGINE	PMENT COMPAN' ERS)	,	
	LOCATION'S		TEST P	IT AN	ID AUG	ER HOLE LO		
	COCATION	<u>sam t</u>	or Project CAMBO	DIA _	FEATUR		Ba	
	1 - / /	- •	21:km 390 N 1,401 Km			,	_43_	
, ,	SOIL TYPE		DETAILS OF LOCALITY					<u> </u>
	GEOLOGICAL	GROUP	SOIL DESCRIPTION SE	· OF	 roe o		SAMPLE	COMMENTS
-`.	DESCRIPTION	ច្រ	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY.	No	
			The state of the state of		1///			- u,
	SILT	ML.	grayish brown silt.	」 □	////	-		
	- '-	_	red brown laterite.		· ·	-		nodules. (1,0 cm dla.)
	-	^		Q5	,			
			with plenty of laterite nodules to 0.5 cm	-	• "	-		damp
-	LATERITE	sc	in dia, reddish brown,	` ₀ _	,		1	-
	 :		· · · · · · · · · · · · · · · · · · ·	- -	, , , ,	-	_	·
		, .	Mottled dark grey and yellow.	=				Ï
	CLAY	_	Bearing, white to light	15			<u></u> 6	
	,		pink filmy nodules of round to subround or	=	1011			Some (imy nodules
-			irregular shape.	=	1000		5	c- are: to 50m.
		_	· ·	20	base of	pit, 2 m O		in length,
				-		F., 2 5		
		İ		2.5	j			
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	HOLE MADE BY JA	PA N		-	•	•	•	LOGGED BY N -Y .
	COMMENCED 28,1		53					DRAWN BY H.S.
,	1 .							CHECKED BY N.W.
	COMPLETED 29, 1	104,	22					CHECKED BY THE W

		(CON TEST PI	POWER ISULTH T_AN	R DEVELONG ENGINI	PMENT COMPANI EERS) ER HOLE LO	Y , ,	SHEET NO IN. EXCAVATION NUM LP - 25
		or Project, CAMBODIA		FEATU			
		3 Km 104 N 1,392 Km 3 Line & LO2 Qua	-	=	ROUND OF EXCAVATION		m. 5
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP D		DEPTH OF		EXCAVATION PERMEA BILITY	SAMPLE No.	
1	1	-	1			<u> </u>	<u> </u>
SAND		fine grained. pole greyish yellow	_				plant roots.
SILTY		Bearing completely decomposed sandstone fragments. Light yellaw.	05				few tolerite nodules, to Scattering unsolidified laterite patches, 1,5 co
SANDSTONE		Highly wealhehered & decomposed. Bearing sholy patches.	10 -	. A. ⊙			massive state.
		pale yellow.	15				
			_	Base of	pit, 1.5 m.]
			_				5
	-		20				
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			TEST Poor Project. CAMBO	POWE NSULTI IT AI DIA	R DEVELO ING ENGINE ND AUG FEATU	PPMENT COMPAN EERS) EER HOLE L RE LETT	Ý O G Ban	к
~ -			3 Km 010 N 1 391Km 3 Line & L02 Qua		~ _~ ~		58	
	SOIL TYPE			7		OF EXCAVATION		
-	GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	1-	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	SAND	<u></u>	Francisco Contract	-	19.23 A 13		1	- ,
	SAND	 	fine grained+ yellow?		7777	 -		plant roots.
	SILTY	-	Containing completely weathered sandstone debris	-			1	lew laterite nadule, 05 cm.
	SAND		and small limy nodules,	0.5—		-	34	
			(dia, (mm) in a little. yellow.	-	1///		34	
•		 		10-	7///		13	
			Completely weathered & decomposed.	-				massive state
	SANDSTONE		pale yellowish brown.	-	• • • • • • • • • • • • • • • • • • •			
				15 —]			
	,			_	Bose of	pit, 16 m.		
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				2.0—	1 .		ĺ	
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. [OVERSEAS TECHNIC	AL CC	OPERATIO	AGENCY TOKY	0, JAPA	N. EXCAVATION NUMBE	R
1	-	ELECTRIC /	POWE	R DEVELO	PMENT COMPAN	Y -::	LP - 27	
1		TEST PI	NSULII IT AN	NG ENGINE	EERS) ER HOLE L	 OG -	- ^ -	
LOCATION	Samb	OF Project, CAMBOD	<u>) [A.</u>	FEATU	RELeft		(
CO-ORDINATE	S· <u>Ε 6</u>	13 Km 590 N 1,391 Km	530	_ RLGŘ		29		٠.
		<u>③ - Line</u>	·	TYPE (OF EXCAVATION		m x 1.5 m	
SOIL TYPE GEOLOGICAL	3UP BOL	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE		_
DESCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	l r	PERMEA BILITY	No	COMMENTS	
		-	1	<u> </u>		<u> </u>		-
CLAYEY		unsolidified yellow	T _	17:77				<u>-</u>
SILT		lateritic nadules	_			1	plant roots	-
ļ		in dark brown matriz,	05_	717			organic smell	~
		Highly weathered & jointed, with closely	_				Bedding spacing;	
SHALE		jointed clayey parts.	-				2-4 cm,	-
1		yellow - dult yellow	10				strike N 15°E,	
	_] =				dip 60° SE.	
				Bose of	pit, 12 m.			
		:	1,5 -					
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OLE MADE STATE		<u> </u>	ı	İ	1		92 1	1
OLE MADE BY HA						LO	GGED BY <u>H. J.</u>	
OMMENCED <u>28</u>						DR	AWN BYH. S	
OMPLETED 29	. Nov., 63	3				СН	ECKED BY . 7. 14	

		OVERSEAS TECHNIC	- , .				SHEET NO. I
		FI FOT DIC	POWE	OOPERATIO	ON AGENCY, TO	KYO, JAP	EXCAVATION NUME
	- 6 -	ELECTRIC	NSUIT	ING ENGIN	OPMENT COMP NEERS)_	ANY :	LP - 28
LOCATION -		- IESI P	ΙΙ Δ	NII) AII/		LOG	
	San	iooi filolool. Namina		- 6571		ft B	ante
CO-ORDINATES	E6	13 Km 610 N 1 391 Km	340	RLG	ROUND		m
DETAILS OF LO	CALITY	<u> 3 - Line</u>	• •		OF EXCAVATION		
SOIL TYPE GEOLOGICAL	물호	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEBT	1 100 101	- EVENINE	<u>'</u>	O m x 1.5 m
DESCRIPTION	5 %	GROUP NAME	OF] [06 0			COMPENSO
 -	100	LARGEST AND SMALLEST SIZES	HOLE	,	PERMEA BILIT	Υ Να	COMMENTS
- · · · ·	_			<u>-</u>			-
CLAY -	-	Completely weathered shale fragments. dark grey.	-			- \·	plant roots
				1111	1	- 1	organic smell-
		Completely weathered.				<i>3</i> 5	Bedding specing;
SHALE		soft, -clayey in part.	0.5_	<u> </u>	j	ii ii	1.5 - 3 cm
	.	dull yellow.	-	<u> </u>	· -	2	i
		-		===	1	1	and interculates
		-	10-	Base of	pit, 09 m.		clay frim on each
[•	=			1	bedding plans
		_	-	_		1.	strike NIO°E,
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MADE BY HAZAN	4A , Co.]	•		1		70 0
NCED 5.Dec		J ,				LO	GGED BY H. S.
LETED 5 Dec						DR	AWN BY H S.

		 	OVERSEAS TECHNICA ELECTRIC F	CONE	OPERATION R DEVELO	AGENCY, TOKYO	, JAPA Y	LP - 29
			(CON	SULTII	NG ENGINE	ERS)		:
	LOCATION	Sam	bor Project, CAMB		PEATUR	ER HOLE L	υς Et F	 Bonk
			4 Km 290 N 1390 Km					
			3 + Line			F EXCAVATION		· ·
	SOIL TYPE GEOLOGICAL DESCRIPTION	ROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF		EXCAVATIONPERMEA BILITY	SAMPLE	
}		100	LARGEST AND SMALLEST SIZES	INOLE	<u> </u>			
		T	no coarse grains.		(////			plant roots
	CLAYEY		dark brown.	-	//// //		ŀ	organic smell
	SILT		laterite nodules, to 0.5 cm,	05_	1///			
		ļ	in plenty.	03_				slightly domp
İ			completely weathered	_	$F \times 2$		}	fine plant roots
			debris cemented with	10 —)	
			clay	-				
			Highly weathered, and] =	71		36	
	SHALE		clayey in part.	15 _	 -\		20	
			Bearing limy nadules	_	-/-			
			derived from calcite	-	- /			
			veins in some-	2.0—				
			slightly damp. yattow-dork brown	=	Z			
		1	,					sheeled and jointed
	<u> </u>	1		25_	0			Bedding ;
				-	Base of	pit, 25m		strike N5°E, dip 70° SE.
				30-	<u> </u>			
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Ì	HOLE MADE BY HA	ΖΔΜΛ	Co	•	•	•	•	LOGGED BY H. &

	7, 	OVERSEAS, TECHNICA		OPERATIO	N AGENICY TOKY		- EXCA	EET NO.153 ATION NUMBER
		ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	J, UAI А Y	L	P - 30
		'.	isulti	ng engini	EERS) 1 - 1 - 1	-1,		
LOCATION	نىد خاتە	TEST PI		ND AUG				
	3011	<u>nbor Project, САМВ</u> 14 км 24 - N 1,390 км	<u>UDIA</u>	PEALU	Left	Bg		
			24 -			26_		
SOIL TYPE		3 - Line			OF EXCAVATION	1.0	m x 1.5 m	
GEOLOGICAL DESCRIPTION	GROUF	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	LOG OF	PERMEA BILITY	SAMPLE No.	СОММЕ	NTS
* .			•	· 4				
	T	laterite nodules, O.5cm	_	1111				
	-	readish brown. weak laterization.	-	11/1/			plant	roots.
CLAY		weathered shale fragment		11/			Bedding	spacing,
		in some: cohesive. yellow	0.5 —	1/				
	-		-	 				I - 2 cm.
		Clayey due to high degree					Sheeting	ın general,
	}	of weathering,	10 —	<u> </u>				0
		Remaining some sound	_]	strike	N 5°E,
SHALE		fragments or layers,	=				dip	70° SE.
		yellow.	15					
]		_					
1			1 =	Base	of pit, I8m.	 		
•			20-	5 436	or pit, 18m,			
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OLE MADE BY HA	_					ļ	LOGGED BY	H. 11.
OMMENCED _Z_	Dec., (53				[6	DRAWN BY	H.S
OMPLETED _9_	Dec 's	33						1.14
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» - 1	 35- <u>-</u> 3	OVERSEAS TECHNICA	AL CO	OPERATION	AGENCY, TOKY	D, JAPA	SHEET NO 154  EXCAVATION NUMBER
	<u>-</u>	- ELECTRIC -	OWF	K DEVETO	PMENT COMPAN	Υ	""
		(CON TEST PI	JSULTI T At	NG ENGIN	ERS) ER HOLE L	<u> </u>	
OCATION	Sam	bor Project, CAMBO	DIA:	FEATU	RE Left	Bar	
O-ORDINATES .	ξ <u>6</u>	<u>5 km 07 ν 1,389km</u>	75	R.L G	ROUND	39	
ETAILS OF LO	CALITY	<u>3 - Line</u>	<u> </u>	TYPE	OF EXCAVATION	- I. C	) m x l.5 m
OIL TYPE EOLOGICAL	흘렸	SOIL DESCRIPTION		LOG OF	EXCAVATION	SAMPLE	
ESCRIPTION	GROUP	GROUP NAME  LARGEST AND SMALLEST SIZES	HOLE	- 1	PERMEA BILITY	No	COMMENTS
<del></del>					<u>-                                </u>	<del></del>	
		dark_brown,	<u> </u>	11/1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		The State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of State of
SILTY		laterite nodules, 05 cm, in plenty and small	-		_ :	1	- plant roots
CLAY		quantity of shale debris	a5_			-	fine plant rocts
OLAT		and round quartz pebbles,				}	
		icm, yellowish brown,	] [			1	in a little.
		Completely weathered.	10-				
		Some of shale remain	_	<u> </u>			
SHALE		orlginal feature and	=	<u>-</u>			some timy nodules
		athers became to clay	1.5	<b>L</b> = = =			in part
		cohesive in clayey		<b> </b>			-
		part yellow.	-				
		· , -···· · · · · · · · · · · · · · · ·	2.0-				
	f f		-	Base of	plt, 19 m		
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MENCED 12, D							
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-			- : OVERS				N AGENCY, TOKY			том номвек Р - 32
, - - ,		·		ELECTRIC F		R DEVELO	PMENT COMPAN	Υ		
				TEST PI	T- AN	JD ALIG	FR HOLF L	റദ		_ · _ ·
	LOCATION	Son	nbor Proje	ct . CAMB	ODIA	- FEATU	RE Left	Ban	ı k	
	CO-ORDINATES	<u>E 6</u>	14 Km 95	N 1389Km	56			- 39		<del></del>
' . l	DETAILS OF LO					,	OF EXCAVATION	_		
	SOIL TYPE				DEBTH		EXCAVATION	<del>T</del>	7	
`	GEOLOGICAL DESCRIPTION -	58	GROUP	SCRIPTION NAME SMALLEST SIZES	OF.	200 0	r	SAMPLE	- COMME	VTS .
`	DESCRIPTION		LARGEST AND	SMALLEST SIZES	HOLE	<u></u>	PERMEA BILITY	No.		-
- }	· · · · · · · · · · · · · · · · · · ·	-,	la la tarita andul	s to O 3 cm	<u> </u>	-	<u> </u>	<u> </u>		-
-		į ,	Bearing Hoods	itle.	1 -		-		plant ro	ot s
			few coarse	grain s.	- =	1111				
- 1	CLAY		completely	70.100.1	05_	15//	-			- '
·			· ·	wearnerea s and frag –	-	11/1/			completely	weathered
			ments comen		_					shale,
L			clay.	yellow.	₁₀ _			j	Sheeted	spacing
	-		Highty wed	<del></del> Ithered.	-	<u> </u>	1	1	l	- 15cm
	0.1.4.		bedding w	th clay film.	_				strike	N 25° E ,
- 1	SHALE		d ecompose d	limy veins	1.5 —				dip	75° SE.
ŀ	<u>.</u>		in part,	yellow.	-	- <u>-</u>		ľ	Clossia	sheeted or
-	·	<u> </u>	· 					<u> </u>	1	
- 1	- 1		4		20-	Bose	of pit, 18m.		foliated	parts show
			-		-				clayey,	
	-	.				İ				
- 1					25_					
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		<b>!</b>			6.5 —					
				1	1	i	ļ l	-	· · ·	70 0
i	OLE MADE BY HAT		5						LOGGED BY _	
α	OMMENCED 15. [	<u>)ec., '(</u>	5 <u>3</u>						DRAWN BY _	
	OMPLETED 16,								CHECKED BY.	

			- 3 -				SHEET NO.156
	,	OVERSEAS TECHNIC	POWE	R DEVELO	PMENT COMPAN	O, JAP IY	
		TEST PI	VSULTI	ING ENGIN VD AUG	EERS) SER HOLE L	7 -	
LOCATION -	<u>Sar</u>	<u> DDOL Project, CAMBO</u>	DIA.	FEATU	RE Left	Bank	
DETAILS OF LOC		<u>15 кm 95 N [389кm]</u> ③ - Line	9				<u>m 5</u>
SOIL TYPE		SOIL DESCRIPTION	DEETL		OF EXCAVATION  EXCAVATION		<u>m x 1.5 m</u>
GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	SAMPLE No.	COMMENTS
CLAYEY SILT r		organic smell, dark brown.	· -	<u> </u>			plant roots
		laterite nodules, 0 5 cm	] =	777			cohesive.
CLAY		with shale fragments.	\				weathered fragments
		Highly weathered and	05—				weamered Tragmants
		decomposed to clay	-	1/2000			
		in part.	10-	$-V_{B/B}$			
SHALE			=	1- Y			
]	İ	ctayey.	_			i i	slightly damp
	ļ	cohesive.	1.5 —			37	
			=	\ ⁴		团	
		yellowish brown					
	ľ	•	2.0—				Sheeting spacing,
							i - 15 cm.
			25	Base	of pit, 22cm.		strike N70°E,
			_				đip 30°SE.
				,			
	ļ		3.0				slightly damp
	İ						
1	ļ		$\Box$				
ĺ	İ		3.5 —				
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İ	Ī		$\exists$	1	1		
		le	3.5				
	- 1	!	]	ł	Ī		
<u> </u>		I	1	ļ	I	L	
OLE MADE BY HAZA		- I				إد	OGGED BY H. S.
OMMENCED 12, De	<u>c,63</u>	<u>3</u>				i	RAWN BY H. S
OMPLETED 15,De	<u>c., </u> 63	3.					HECKED BY J. 14
		<u>- I</u>			<del> </del>		TICONED BIS JALT

		OVERSEAS TECHNICA	ČO	OPERATION	J. AGENCY, TOKY	O, JAPA	N. EXCAVATION NUMBER
		ELECTRIC F	POWE	r develò	PMENT COMPAN	Υ	"\$35 LP - 34 ° 35
					ERS ) ER HOLE L	ne -	Tangaharan Kabupatèn
LOCATION	S	<u>mbor Project - CA MB</u>	ODIA	FEATU	Erv. HOLL- L RE Lef	t Ba	ınk
	.ε6	15 Km 83 N 1389Km (	01	R L. GF			m 8
DETAILS OF LO	ALITY	3 Line	·."	TYPE	OF EXCAVATION	<u></u>	m x 1.5m
SOIL TYPE GEOLOGICAL	흘렸	SOIL DESCRIPTION		LOG OF	EXCAVATION.	SAMPLE	2
DESCRIPTION	G ROUP SYMBÓL	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	1	PERMEA BILITY		COMMENTS
<u>,                                  </u>		- *	·			,	
SILTY CLAY		organic smelt, dark brown		1///	*		plant roots.
	,	interite nodules to	=	11/11			
		lom and completely weathered debis or	a5		-		
CLAY		fragments of shale and					
		siltstone.		1111			
		light brown.	10 -				
		Highly weathered and	1 =	(6/2			
		clayey in part,	<u> </u>				damp.
SHALE		Some parts remain	t.5				
		originat feature.	_	<u> </u>			
		yellow 10 yellowish grey	20—				
	<del> </del>		-				Sheeted and foliated,
			=	Base of	pit, 2.1 m.		in part.
	İ		25_	1			Bedding;
			=				÷ - •
		`	_				strike N80° W, dip 40° SW,
			30-	<b>,</b>			damp,
F		•	_				
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			3.5				
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			6.5				
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OLE MADE BY <u>HA</u>	ZA MA	<u>.c</u> o.					LOGGED BY <i>H. S.</i>
MMENCED 15.1	Dec ,6	<u>53.</u>				j,	DRAWN BYH.S
	Dec., e	i				- 1	CHECKED BY J. H.

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		OVEDSEAS TESTAS	<u> </u>	005	. A destact with		SHEET NO 15
	- }	OVERSEAS TECHNIC	AL CO POWE	OPERATION R DEVELO	N AGENCY, TOKYO PMENT COMPAN'	), JAPA Y	N. LP 35
		: ( COI	<b>NSULTI</b>	NG ENGIN	EERS )	·	
OCATION	C n m	IEST PI bor Project, CAMBO	אותו (א	ND AUG	SER HOLE LO		
		1 6 km 77 N 1388 km				- 38	<u>k² ∜</u> m 5
		<u> 3 - Line</u>					
OIL TYPE					- 525 (1115)		
SEOLOGICAL DESCRIPTION	I ROL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	Sample No.	COMMENTS
	100	LARGEST AND SMALLEST SIZES	Inore	<u>L</u>		[ ,,,,	
SILTY	1	some laterite nodules,	T _	1///			<u> </u>
CLAY		0, 3 -0,5 cm	-	1111			plant roots.
		plenty of laterite	0.5	11/1/			
		nodules, O 5 cm.,	U5	199			
		in reddish brown	-	11/1			
		cla y,	10-	11/1/			_
CLAY			-	166			few plant roots
		with completely	] =	11/1/			
		weathered shale frag - ments & yellow spats in	15				
		grey matrix.	_	11/11			
		cohesive, damp.	] =				
SHALE		Weathered and decomposed	2.0—	-44			
SHALE		in part, damp, yellow – pale grey,	=				Bedding;
				Base of	pi1, 23m.		strike N60°W,
			25		, , , , , , , , , , , , , , , , , , , ,		dip 50°SW-
			=	}			
			30				
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			6.5 —	İ		1	
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E MADE BY HA	ZAMA	co.	·	•		Ţ,	OGGED BY H. S.
MENCED 16. D		1				- 1	DRAWN BY H. S.
		3					CHECKED BY J. 14

		- J			* **		- 2,1	SHEET NO.15
			OVERSEAS TECHNICA	AL CO	PERATIO	N AGENCY, TOKYO	), JAPA	N. EXCAVATION NUMBE
پ د پر حی⊷			ELECTRIC F	OWER	DEVELO	PMENT COMPAN	Y	36.
			CON	ISULTIN T AN	NG ENGIN	ERS) ER HOLE LO	1 1 1	
	LOCATION	- <u>`</u> \$an	n bor Project, CAMB	ODIA	. FEATU	RE Left	∵. Bai	nk -
	CO-ORDINATE	S E 6	I 6 кm 77 N 1388 кm	50	- R L. GI	ROUND	-30	
, - ` <u>-</u>	DETAILS OF					OF EXCAVATION		
	SOIL TYPE		SOIL DESCRIPTION	DEPTH			SAMPLE	r :
-	GEOLOGICAL DESCRIPTION	GROUP SYMBOL	TO GROUP NAME! 4 TO	.OF.	- Y	PERMEA BILITY	No.	COMMENTS
		10 %	LARGEST AND SMALLEST SIZES	Inore I	-	*		_ 1
	SAND	·	laterite nodules 0.5cm, and	<u> </u>				<u> </u>
	``	-	few debris of shale brown no coarse grains	l ∃	<del>,,,,,</del> ,			plant roots.
	CLAY	,	cohesive, yellow.		11/1/			organic smell.
-	·	-	completely weathered.	05	~ /</td <td></td> <td></td> <td></td>			
	,	-	Some of layer decomposed	-				
	SHALE	•   •	to_clay	=			Î	
	-,	<u> </u>	highly weathered. Remaining		<del></del>		38	
		3	ariginal feature.	1 -	_Z		13	
-			greyish yellow				ļ	
			,	1.5	B a se	of pit, 14m.		Stratified shate.
			-	╽╶╡	-			Spacing of beds;
				20_				L5-4 cm,
				-				strike N25°E,
	*	ļ						dip 25° SE.
				25_				
	i			l H				
				3.0				
				-				
		}		J				
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<u> </u> 	OLE MADE BY	ΑΖΔ ΜΔ	Co.		•		[	LOGGED BY <u>H. S.</u>

<del>"</del> -		·	( CON	ISULTING ENGIN	N AGENCY, TOKYO DPMENT COMPAN JEERS ) GER HOLE LI		AN. EXCAVATION NUMBER
	LOCATION	Sam	bor Project, CAMB	ODIA. FEATU	IRE Left		- T
			17 km 71 N 1,388 km				m δ -
	DETAILS OF LOC			TYPE	OF EXCAVATION	<u> 1.0</u>	<u>m x 15 m</u>
	SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	PERMEA BILITY	SAMPLE Na	COMMENTS
	SANDY		1	-		-	
	SILT	<u> </u>	laterite nodules, 0.5cm & weathered debris of sand - stone and dioritic rock				plant roots.
	CLAY		Scattering black laterite nodules in some quantity		1	1	
	CCAT		and few debris of sand stone, cohesive.	0.5	;		weak lateritization.
			yellow.	1 4200	4		Wedn Idleriii Zdiion.
	DIORITE ?	ļ	Completely weathered, much white spots in greyish yellow matrix.	10-122	[]		shrinkage crack to im de
	SHALE	<del> </del>	Completely weathered.				a boundant feldspar,
	8 SANDSTONE		greyish yellow,		Ì		
				15 - Base of	pit, 1.5 m.	1	jointed
							Bedding; obscure.
		1		2.0—			strike N80°E,
							dep 65°SE.
		1		_			
				25			<u> </u>
				30—			
				‡			
				1 1			
				3.5			
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				6.5		•	
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, 4,			OVERSEAS TECHNICA	AL CO	OPERATIO	N AGENCY, TOKY	) JAPA	N. EXCAVATION NUMBER
٠. ا			ELLOTRIO I	CAAC	K DEVELL	JEMEN I LUMPAN	<b>Y</b> "	"γεη ο <b>υπ :- 38</b> γ
	ڂڂؠ؈ٚڗۣۼٷۣٷڝۄٙڝۣڎ؞ ڂڂؠ؈ؿٳۼٷٷڝۄٙڝڎڰ	·	TFST PI	ISULTI T AN	NG ENGIN	EERS ) SER HOLE L	``. ∩	
	LOCATION	Sa	mbor Project. CAMBO	DIA	FEATU	RE Left	Bank	
	CO-ORDINATES:	E_6	17 Km 69 N 1388 Km	00	R.L. G	ROUND	37.	
-	DETAILS OF LOC			. ,		OF EXCAVATION		m x 1.5 m
_ [	SOIL TYPE GEOLOGICAL	을 없	- SOIL DESCRIPTION	DEPTH				
` -	DESCRIPTION	GROUP SYMBOL	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	1	PERMEA BILITY	SAMPLE No.	COMMENTS
-			TENTOCOT AIRD SMACLEST SIZES	INOLE	<u> </u>		1 110	
_	~		with few coarse-materials.		1777		,	
ı	CLAYEY	、	deep brown. laterite nodules,05cm, and	- }	11/1	•		plant roots
ı	SILT	_	few quartz round pebbles, 3cm.		11/1	_	·	
Ī			with weathered debris	Ω5— –	1111		-	
١			and pebbles or cobbles	-	11/1			_
ı	CLAY		of shale and diorite,	10-	1111	-		_
ı			cohesive.	-	1111			-
1		-	yel to w.		11/1/			
ł	-	*†*	-	15 —	200			
١		-	Completely decomposed		x x x x		]	massive.
ı		-	due to extreme	=	<b>X                                    </b>		39	Matrix shows
1			wed thering.	20	× × × ×		37	assemblage of
ı	DIORITE		weathered dioritic		××××			small rock
l			cobbles or boulders of submound to sub-		XXXX			particles,
			angeler in sedentary	25	××××			į
١			soily matrix,		XXXX		ľ	
1				3.0-				
l	ł			, o –	Base	of pit, 29m.		
				7			1	:
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н	DLE MADE BYHAZ	ΑΜΔ 1	, ,	•	ı	Į	<u> </u>	70 0
Ł	MMENCED 19,1		Į.					OGGED BY H. S.
ı								RAWN BY H.S.
C	OMPLETED 23,	٠, د	<del></del>				CH	ECKED BY J. 14.

~ =			OVERSEAS TECHNIC	AL. CO	OPERATIO	N AGENCY, TOKY	JAΡΔ	N EXCAVATION NUMBI
= :	1		ELECTRIC I	POWE	R DEVELO	PMENT COMPAN	Υ	LP - 39
		=	( COM TEST DI	VSULT!	NG ENGIN	EERS) SER HOLE L	00	
	LOCATION	s	ambor Project, CA	MBOD	ND AUC IΔ FEATU	RE Left	OG Ban	
	CO-ORDINATES :	£6	<u> 18 кm- 22-и - 1387 кm</u>	35	 R.L Gi	ROUND		m <u>65</u>
	DETAILS OF LOC	-	<u> </u>	= _		OF EXCAVATION		n x l. 5 m
	SOIL TYPE GEOLOGICAL	들点	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	- /
	DESCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Na	COMMENTS
	<u> </u>	1		JAOCE	-	=		-
			fine to medium grained.	Π.	<u></u>			
	SAND		pinkish brown:- tine medium grained	-	1			plant mots
			yeslow in dry pinkish brown in wet	05_				
			few coarse grain	- us	11/11			
				-	1///			
			cohesive.	10-	1/1/2			
			Ogla arawah inglian	-			,	
	SILTY		pale greyish yetlow	] [	11/1	1	40	
	CLAY		laterite nodules to lan.	1,5	1///			Ţ
			weak lateriti zation.	-	1111	]		Bearing completely
			Spotted black unsolidi -	-	17.17			weathered yellow
			fied laterite nodules	2.0_	1/1/			sand stone debris
		1	in yellow matrix. cohesive.	=	1/1	<u>,</u>		in some quantity
			Completely decomposed	┨ -	////			<del></del>
			due to weathering.	2.5_				m a ssive.
			compact residual	=				sandy silt in powde
	04110570115		sand in situ with	=				damp,
	SANDSTONE		fine grained sandstone	30—				
			de bris.	-	· · · · · · ·			
			purple,					
-				35				
]				=	Base of	pit, 3.6 m.		
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ŀ	OLE MADE BY HAZ	AMA	<u>C</u> o.				Լ	OGGED BY <u>H. S.</u>
ļ	COMMENCED 19 D	<u>ec , '6</u>	<u>i3</u>				D	RAWN BY H.S.
1.	COMPLETED 26. D	ec. '6	3					HECKED BY _ 1. 14
11	COMPLETED TT.		~ ₁				Ir.	HECKED BY- / /O

	LOCATION		TEST PI	POWE VSULTI T. Al	r develo Ing engini VD AUG	PMENT COMPAN' EERS ) ER HOLE LO	/ <u>-</u> DG	,
ī. š.	1	<u> </u>	anbor Project, CAN	(BODI		- : <del></del>		
	1 .		18 Km 07 N 1,387 Km	_12	,	ROUND	- 41	
· -	DETAILS OF LOC				TYPE	OF EXCAVATION	1.0	<u>) m x I 5 m</u>
* =	SOIL TYPE GEOLOGICAL DESCRIPTION	SYMBO	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OEPTI OF HOLE	LOG OF	PERMEA BILITY	SAMPLE Na	COMMENTS
		1		<u></u>	·	<u>-</u> , <u>, , , , , , , , , , , , , , , , , ,</u>		**
-	SAND	ę - 	fine grained. light yellow - yellow. laterite nodules to	0.5		_,	-	plant roots
			-ed quartz pebbes, 1-3 cm.	-	1111	_		fine-plant roots
	- CLAY		few coarse grams.	10-				-
,	CLAT		cohesive.	15		-		
			orange to brown.	2.0-		-		
i			due to weathering in situ.	_			:	massive state.
	SANDSTONE		with some hard part in sandy matrix. fine grained, purple,	25				silty clay in powder.
				-				
				30-	Base of	pit, 2.8m.		
				35 —				
			r	4.0	,			
				-				
				45 - - -	,			•
				50 <u> </u>		ļ		
				55		-		
	į			60—				
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- '	;	OVERSEAS TECHNIC	ΔI C	OPERATIO	NI- ACENICY TÓIR	O -14 C	SHEET NO. 164 EXCAVATION NUMBER
		ELECTRIC	POWE	R ⁻ DEVELO	PMENT COMPAN	O, JAP/ IV.	LP - 41
		i - (* CO	NSULT	ing engin	EERS )	·	
LOCATION	S	IESI P ambor Project, CAN	t BOD	VD AUG	ER HOLE L		
- • CO-ORDINATES		20 кm 07 N 1,386 кm	1000	A. FEAIU	Lef	† Ba	
ETAILS OF LOC			_ <del>3</del> 0_	. 5		37	
OIL TYPE			<del></del>		OF EXCAVATION		1 x 1 5 m
EOLOGICAL	GROUP	SOIL DESCRIPTION - GROUP NAME	DEPT	LOG OF	EXCAVATION.	SAMPLE	COMMENTS
ESCRIPTION	रु छ	LARGEST AND SMALLEST SIZES			PERMEA BILITY	Na	OOMMEN13
		<u> </u>	- -,	-		_	
SAND	ĺ	fine grained,	-			:	plant roots.
		greyish yellow -yellow rounded quartz peobles		1	·		pidiri 100/5.
	hП	02-05cm and few [laterite nodules.	0.5_				
:		Completely decomposed	-	122		<b>[</b>	
CLAY		sandstone boulder.	-	122			i i
		cohesive, purpte in yellowish brown	10-	11/1/			
			┪ -				
		fine grained sond-	-	····×			
		stone with few decomposed calcite	1.5 —	<b>}</b>			massive. Able to dig by hand hoe.
ANDSTONE		veinlets.	-	• • • • • •			Able to dig by hand hoe.
ANDSTONE		Remains some	-				some clay in powder,
	· •	hard part	20—				
ļ	ļ		] =				slightly damp,
		purple					
ļ			25_	Base of	pit, 2.4 m		
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MADE BY HAZ	<u> 4 M A C</u>	o.				L	OGGED BY H. S.
MENCED 24, Dec		ł .				Į.	RAWN BY H.S.
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			OVERSEAS TECHN	ICAL COOPERA	ATION AGENCY VELOPMENT CO	TOKYO, JAP	SHEET NO. I EXCAVATION NUMBER AN. LP 42	R-
	LOCATION		TECT	DIT AND	NGINEERS )		•	-
	1 3.5 Page 13.5 A	- <u>-</u> -Ξ-6	mbor Project, CA	IMOVULA, F	ATURE -			- ·
`-	DETAILS OF LO	CALITY	3 - Line	<u>ш_ту</u> - к	L. GROUND (PE OF EXCAVA	- 36	<u>m 7</u>	-
-	SOIL TYPE GEOLOGICAL	글절	SOIL DESCRIPTION	DEPTH LOG	OF EXCAVAT	ION SAMPLE		
-	DESCRIPTION -	GROUP SYMBOL	GROUP NAME LARGEST AND SMALLEST SIZE	- 1 DF 1	PERMEA E		COMMENTS	-
-	11-1-	7						
	s -		very fine grained pale grayish brown.	17/	11/2		plant roots.	
^			few coarse materials				<u></u>	
	SILTY		thin lens shaped weak	05-7///		l	sand gram; fine	
	SAND		laterifized 3 layers from 80cm to Im20 deep	1 3//		-	in general,	
-			light yellow.	10-1//				
ŀ		<u> </u>	8 round quarty pebbles I-3c1	1 1 1 <i>1 7 7</i> .	4		weak lateritization.	]
	CANDOTONE:		fine_grained. Completely decomposed due to		<u> </u>	- 8 41	thin lens.	긔
	SANDSTONE	]	weathenny, in situ	15		, the	massive.	
			coffee color.	-   -			limy loose materials in a little,	
-	<del></del>			20			silty sand in powder	.
		<b>;</b>	±	Has	e of pit, 2	Om.	slightly damp.	
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luo.	E MADE BY HAZ A	MA Co	7	· •	I	·	GGED BY K. S.	
JHOI	TIME DIJIAZI		-1			I.	' <i>W</i> V	•

		· · · · · · · · · · · · · · · · · · ·			·		SPEEL NO. 166
		OVERSEAS TECHNICA	L CO	OPERATION	AGENCY, TOKY	O. JAPA	IN EXCAVATION NUMBER _
		ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	Y	LP - 43
		( CON	ISULTI	NG ENGIN	EERS )		
LOS ATION	_	TEST PI	Ţ AN	ND AUG	ER HOLE L	OG	
LOCATION		mbor Project, CAMBO				Ba	nk
CO-ORDINATES .	<u>ε_ 6</u>	20 km 88 N 1386 Km 4	14	_ RLGF	ROUND	_43_	m 34
DETAILS OF LO	CALITY	<u> ③ - Line</u>		_ TYPE (	OF EXCAVATION	1.0π	n x 1.5m
SOIL TYPE	급덕	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	L	
GEOLOGICAL DESCRIPTION	8 8	GROUP NAME	OF		PERMEA BILITY	SAMPLE	COMMENTS
DESCRIPTION	ပ လ	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILLIT	Nα	<u> </u>
	1	·	,	<del>, , . , . , . , . , . , . , .</del>			
SILTY SAND	-	fine grained pala grey	] -				plant roots
		laterite nodules to 03cm	1 =	11/1		1	
		unsolidified limy nodules to icm. Spotting orange	05_	1111		}	
		yellow in white matrix	03 <u>-</u>				weak lateritization
	-		<del>-</del> −			42	
		laterate nadules to 1 cm,	=			42	
		in plenty	10			122	
CLAY	1	reddish brown	-				
			_	1/1/			
		with white Ilmy nodules,	15	1.7.		1	
		icm, in a little.		111,1		1	
		cohesive damp,	-				
		Spotting yellow in grey	20-	11/1/			
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			-	11/11			
			25	1/1/			
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•			30-	11/1			
	<del> </del>			<del>////</del>		-	
			_	Base of	pit, 3.2m.		
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HOLE MADE BY HA	ZAMA	<u>c</u> ω.					LOGGED BY H.J.
COMMENCED 27		- · · I					
i		_					DRAWN BY H S.
COMPLETED 31.	Dec	63 I					CHECKED BY J. 14

SHEET NO 167

		_	0)/55			<del></del>	<del></del>	SHEET NO.	
		÷	OVERSEAS TECHNIC	CAL CO	OOPERATI	ON AGENCY, TO	OKYO, JAP	PAN EXCAVATION NUMBER	R
	_		ELECTRIC	POWE	R DEVEL	OPMENT COM	PANY.	LP - 44	
	*, *-		TFST D	NSULT IT A	ING ENGI	NEERS )			
	LOCATION	<u></u> S				GER HOLE			
	CO-ORDINATES .	E6	320km 77 N 1386 km	22	<u>A.</u> , cai		<u>ett Ba</u>	<u>nk</u>	
	DETAILS OF LOC	CALITY	3-Line		R.L. (	SROUND			_
	SOIL TYPE		SOIL DESCRIPTION		TYPE	OF EXCAVATION		m x 1.5 m	
ı	GEOLOGICAL DESCRIPTION	IS A	GROUP NAME	DEPTI	I LOG O	F EXCAVATION	SAMPLE		Ξ
ŀ	7.50(1) 1,01	ပ က	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILI	TY Na	COMMENTS	
- 1	<del></del>	<del></del> -					<del></del>		
ı	SAND		fine grained.			T		<del></del>	
ŀ		<u> </u>	light pink,	] :		_{	ĺ	plant roots.	
- 1-	SILT		low cohesive.	0.5_	<i>\////</i>	7		Piuni toats.	
1	-		few unsolidified black	7 -	7777	1	-		
	SILTY		laterité nodules & patches	-	1111	]			
	CAY		yellow.	-	1/1/	7	1	Ì	
	, ,		unsaildifred black laterite nodules to 0.5 cm & fe w pehbls.	1 -	177	1	1	pebbles round to 3 cm	
		Ţ	cohe si ve .	1 ]	11/11	1	İ	quartz.	
F			yellow.  Completely docomposed	1,5	4//				
- 1	J	ļ	purple sand stane	¨``	<i>!/&gt;</i> >>	ļ			ı
- 1	SILTY	ļ	fragments & boulders	1 1	7///	ļ			
	SAND		in yellow matrix.	20_	////		]	sand; medium grained.	ľ
L			purple.	-			ĺ		
					2777				
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HOLE	MADE BY HAZAM	1 A.Co.		-	'		' <u> </u>	70 0	
	ENCED 27, Nov.						i	GGED BY _ H_ J	
J								WN BY HS.	
COM	PLETED 29. Nov.	,63					CHF	CKED BY 7 16	

-			(· CO)	POWER (	DEVELO ENGINI	PMENT COMPAN	Y	N EXCAVATION NUMBER	
	LOCATION	OG † Bank							
	1	: E6	iambor <u>Project, CAN</u> 521 km 87 N 1386 km		R L GROUND 48 m 8				
	DETAILS OF LO		<del></del>	<del></del>		OF_ EXCAVATION	<del>,</del>	n x l.5 m	
	GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	OG OF	PERMEA BILITY	SAMPLE No.	COMMENTS	
	<u></u>	<del></del>	organic small,	1 1,7,		•		,	
	CLAY		grey to yellow, no coarse grains, cohgsive, brown,	0.5				plant roots.	
			laterite nodules, 03cm 8 few quartz pebbles.	1/2	1/1/2				
			Completely decomposed.  plenty of limy nodules	10				Bedding;	
	SHALE		05–15cm slightly damp greyish brown.	15				strike N 80°E, drp 35°SE,	
					se of	pit, 15 m.			
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			TEST PI	POWE ISULTI T Al	R DEVELO NG ENGINI ND AUG	PMENT COMPAN EERS ) JER HOLE L	Y OG	-: -:	ATION NUMBER	R
	LOCATION	S a	<u>mbor Project, CAMB</u>	ODIA	. FEATU	RE-Lef	Bonk	ζ		.
1	CO-ORDINATES :	E_0_	21 кm 89 и 1,38 5 кm	<del></del>						-
	SOIL TYPE		3 - Line		<del>-                                    </del>	OF EXCAVATION	<u>- 1.0 j</u>	m x 1.5 m		
	GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF-		EXCAVATION PERMEA BILITY	SAMPLE No	СОММЕ		•
	SILTY CLAY		organic smell, dark brown,		: 12					-
	CLAY		wheathered, red & flat shale fragments in plenty,	-				plant	root s	-
,		<u> </u>	Completely weathered and	0.5_	<u> </u>		172	ļ- <u>-</u>	<del> </del>	<del></del>
	SHALE		clayey in part, damp.  Redding 8 joint planes	<u>-</u>			43	Bedding; strike dip	N 50°E. 60°SE.	
			are yellow.	10 —						
	<u> </u>	<u> </u>	. pale grey,	<u> </u>				_		
1 1.81				15 —	Base of	pit, l.4 m.				
-	•		•	- 20	]					
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OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN EXCAVA	ET NO.			· · · · · · · · · · · · · · · · · · ·					
ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS) TEST PIT AND AUGER HOLE LOG LOCATION South Project CAMBODIA  CO-ORDINATES E 522km 72 N. 1386km 07 R. R. GROUND DETAILS OF LOCALITY SOIL TYPE GEOLOGICAL DESCRIPTION GEOUP NAME GEOLOGICAL DESCRIPTION GEOUP NAME GEOLOGICAL DESCRIPTION GEOUP NAME GEOLOGICAL DESCRIPTION GEOUP NAME GEOLOGICAL DESCRIPTION GEOUP NAME GEOLOGICAL DESCRIPTION GEOLOGICAL THE COMMENT GEOLOGICAL GEOLOGICAL THE COMMENT GEOLOGICAL GEOLOGICAL THE COMMENT GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICA GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICA GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICA GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICAL GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGICA GEOLOGI	- 47	NI	ΙΛΩΛΙ	AGENICY TOKYO	RATION	L COC	- OVERSEAS TECHNICA	- 5 - 1- g= 1	,
LOCATION Sambor Project, CAMBODIA FEATURE Left Bonk.  CO-ORDINATES & S22KM 72 N 1386KM 07 RL GROUND 38 M 3  DETAILS OF LOCALITY 3 Line TYPE OF EXCAVATION 1.0 M x 1.5 m  SOIL TYPE GEOLOGICAL 5 C C C C C C C C C C C C C C C C C C		LP	, on, n	MENT: COMPANY	<b>EVELOF</b>	OWER	ELECTRIC F	-īī	=,
CO-ORDINATES E 622 km 72 N 1386 km 07 R L GROUND 48 m 3  DETAILS OF LOCALITY 30-Line TYPE OF EXCAVATION 1.0 m x 1.5 m  SOIL TYPE GEOLOGICAL DESCRIPTION COMPANDE OF THE COMPAND SAMPLE OF PERMEA BILITY NO COMMEN DESCRIPTION S GEORGE STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE OF COMMEN STATE O			ີ່ - ເ	RS) PHOLEIC	ENGINE - Al IGI	SULTIN T AN	TFST PI		-
DETAILS OF LOCALITY  SOIL TYPE GEOLOGICAL DESCRIPTION OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF COUP NAME OF		ık.	Ban	Left	FEATUR	DIA	mbor Project, CAMB		
SOIL TYPE GEOLOGICAL DESCRIPTION OF SOUL PAME OF PERMEABILITY  SILTY CLAY    organic smell grey,   laterite nodules, 0.5   0.5     so i o cm   yellow - reddish brown,   10     classified decemposed darks of this grained sandstone, medium grained, clayer in part, damp, yellow to grey,   0.5     SHALE 8   SANDSTONE   clayer in part, damp, yellow to grey,   0.5     so i o cm   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin Bedding,   0.5     shale; sin		n 3 -	48° r	UND	R L GR	<u> </u>			
SILTY  plenty of laterite nodules, 0.5 05 to 10 cm  yellow - reddish brown.  GLAY  few liny nodules, 2 cm 8 completely decomposed davris of fine grained sandstone 8 shale, ad mp, yellow.  SHALE 8 sandstone, medium grained, clayey in part, damp, yellow in grey.  Base of pit, 27 m.  Base of pit, 27 m.	<u>n</u>	m x 1.5 n	1.0	EXCAVATION	TYPE O		(3) - Line		
SILTY  plenty of laterite nodules, 0.5 05 to 10 cm  yellow - reddish brown.  GLAY  few liny nodules, 2 cm 8 completely decomposed davris of fine grained sandstone 8 shale, ad mp, yellow.  SHALE 8 sandstone, medium grained, clayey in part, damp, yellow in grey.  Base of pit, 27 m.  Base of pit, 27 m.	: ute	COMME	SAMPLE		OG OF			MBO:	GEOLOGICAL
SILTY CLAY  pienty of interrite nodules, 0.5 to 1 0 cm  yellow - reddish brown.  few iliny nodules, 2 cm a completely decomposed dabris of fine grained sandstane B shale, damp, yellow.  SHALE 8  SANDSTONE  SHALE 8  SANDSTONE  A completely decomposed grained. clayer in port, damp, yellow to grey.  B ase of pil, 2 7 m.  40  45  40  45  50  40  45  50  40  45  50  40  4	···		Na	PERMEA BILITY	-		I	SY	DESCRIPTION
SILTY CLAY  pienty of interrite nodules, 0.5 to 1 0 cm  yellow - reddish brown.  few iliny nodules, 2 cm a completely decomposed dabris of fine grained sandstane B shale, damp, yellow.  SHALE 8  SANDSTONE  SHALE 8  SANDSTONE  A completely decomposed grained. clayer in port, damp, yellow to grey.  B ase of pil, 2 7 m.  40  45  40  45  50  40  45  50  40  45  50  40  4			-		-		I lorganic smell nrev	1	<u>-</u>
CLAY    laterite nodules, 0.5   0.5   0.5   0.5   0.5   0.5   0.1 0 cm     yelkw - reddish brown   10   10   10   10   10   10   10   1	pots	plant re	-						
CLAY  few timy nodules, 2cm	nt roots,	few pla			24		plenty of		
CLAY  few liny nodules, 2cm a completely decomposed debris of fine grained sandstane & shale, damp, yellow.  SHALE & SANDSTONE  SHALE & SANDSTONE  righty weathered. clayey in part, damp, yellow to grey.  Base of pit, 27 m.  40  45  50  50  55  50  50  55  50  50				_		0.5			CLAY
B completely decomposed dabris of fine grained sandstone & shale. damp. yellow.  SHALE & SANDSTONE  SHALE & Sandstone, medium grained. clayer in part. damp. yellow to grey.  Base of pit, 27 m.  30—  40—  45—  50—  55—  50—  55—			THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S		1//				
B completely decomposed dabris of fine grained sandstone B shale. damp. yellow.  SHALE B SANDSTONE  SHALE B SANDSTONE  Clayey in part. damp. yellow To grey.  Base of pit, 27 m.  30  40  45  50  50  55  50  55  65  66  67  68  68  68  68  68  68  68  68			44		//	10-	y ellow - reddish brown.		
B completely decomposed dabris of fine grained sandstone B shale. damp. yellow.  SHALE B SANDSTONE  SHALE B SANDSTONE  Clayey in part. damp. yellow To grey.  Base of pit, 27 m.  30  40  45  50  50  55  50  55  65  66  67  68  68  68  68  68  68  68  68					//				CLAV
dabris of fine grained sandstone & shale, damp, yellow.  SHALE 8 SANDSTONE  SHOULD B grained clayey in part. damp, yellow to gray.  SHALE 8 SANDSTONE  Shale; sh Bedding, strike dip			1		$\times$		few linny nodules, 2cm		CLAT
SHALE 8 SANDSTONE  SHALE 8 SANDSTONE  Shale; sandstone, medium grained. clayey in part. damp. yellow to grey.  8 ase of pit, 27 m.  30  40  45  50				_		15			
SHALE & sandstone, medium grained. clayey in part, damp. yellow to grey.  Base of pit, 27 m.  30  45  45  55  55  55  55  55  55  55  5				-	23	∃			
SHALE 8 SANDSTONE  Sandstone, medium grained. clayey in part, damp, yellow to grey.  Base of pit, 27m.  30  45  45  50  55  55  65  75  75  75  75  75  75  75					20	20-	damp, yellow.		
SANDSTONE  qrained. clayey in part. damp. yellow to grey.  Base of pit, 27 m.  35— 40— 45— 55— 55—					4//	1	· ·	] [	SHALE &
clayey in part. damp. yellow To grey.  Base of pit, 27 m.  30—  40—  45—  55—  55—  55—  55—  55—  6 and pit, 27 m.  8 strike dip	eeted.	shale; sh	-		-[]	1	-		
30— 35— 40— 55— 55— 55—					_	25			
30————————————————————————————————————	E - W ,	strike		2.7 m	e of		yerion is yeey.	<del>                                     </del>	
35— 40— 45— 50— 55— 	75°S .	dip		,		႕			•
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		OVERSEAS, TECHNIC	AL COOF	ERATIO	N AGENCY, TOKYO	, JAPA	N EXCAVATION NU
The same of the same		ELECTRIC -	POWER-	DEVELO	PMENT COMPANY	• ·	LP - 48
LOCATION .			17 A & 115	~ ^ ^ 1	\	· - ·	
LOCATION	Sam	DOT Project, CAMB	ODIA.	FEATU	RE left	· Pa	onk
CO-OKDINATES:		75 KW 19 N 1989 KW	83	- R L. GI	ROUND	<u>45</u>	m - 9
SOIL TYPE		3 -Line	<u></u>	TYPE	OF EXCAVATION	<u>. 1. C</u>	<u>) m x l, 5 m</u>
GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	1 00 1 "	LOG OF	PERMEA BILITY		COMMENTS
			INOUE  -			- VV -	
SILTY		plenty of laterite		777		-	
CLAY _	-	nodules to 12cm	] : : : : [	1/2		-	promt roots.
	.	Spotting reddish brown in white matrix with completely weather	0.5		·		
	4	with completely weather— ed sandstone fragments, canesive, damp, yellow	1 -16		-		
		dighly weathered	1 7/	//X			
SANDSTONE		very fine grained	10-7.				slightly dam'p
or SILTS TONE		clayey in part	] = -1				few fine plant
SILISTONE		clayey, in part	1. ==:				root
			15		·		Bedding;
		yellow,	‡…	1//	- }		strike N 60°E
			20-	ise of			dip 90°
			🚽"	156 01	pit, 19m.	Ì	
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OLE MADE BY HAZ	AMA.Co		•	1	'		ogged by <u>H</u>

	1-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	`	OVERSEAS TECHNIC	A1 CO		U SACENCIA TOIA		EXCAVATION NUMBER
`		:	OVERSEAS TECHNIC	AL CO	OPERATIO	PMENT COMPAN	Ų, JĄPA √	N LP - 49
-			- COI	VSULTI	NG ENGIN	PMENT COMPAN EERS )	Y. 👺 .	
			TEST P	IT AN	ND AUG	ER HOLE L	OG -	
	LOCATION	<u>Sa m</u>	bor Project CAM	BODIA	FEATUR		Bank	
	CO-ORDINATES	٤_٤	23 Km 75 N 1386 Km	47.	_ R.L. GI	ROUND	4 2	m 9
	DETAILS OF LO			~, _		OF EXCAVATION		
	SOIL TYPE			DEPTH				
	GEOLOGICAL	ğ ğ	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	1.00	EXCAVATION	1 - 1	COMMENTS
	DESCRIPTION	လ် လ	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	- PERMEA BILITY	Na	
	-		,		: -		-	
	- SILTY CLAY		weak lateritization. pale grey.	-	1/17	-		-
1	<u>CL#1</u>	-		-1 -	1111			plant roots.
- 1		ļ	flat ferruginous			,		
		1	shate fragments in	Q5	11/1/	1		
	CLAY		white matrix.	-	11/1/			few plant roots
	CLAI		<u> </u>	_	1990			
		1	cohesive.	10-	11/11			
- 1		İ	white - orange.	-				
t			Completely wenthered and	1 [	<del></del>			
	61141 =		Completely weathered and partially clayey due to	-				sheated, spacing of
1	SHALE		decomposition	15	[./ \			0 5 - 1cm,
		İ	yellow 10 pale gvey,	-	- i-			Bedding;
ľ		- <del> </del>		<u> </u>			1	strike N30°E,
1				20	Base	of pit, 18m.		•
		1		1 =		1		dip 70°SE,
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H	IOLE MADE BY HA	ZAMA.	.Co.				I,	OGGED BY I I
	IOLE MADE BY HA						- 1	ogged by <i>H. S.</i>
c		Nov., '(	53				ľ	OGGED BY <u>J. J.</u> DRAWN BY <u>H. S.</u> CHECKED BY J. /4

			OVEDSEAS TECHNICA					
		`				AGENCY, TOKY		IN L P - 5 0
, 1			ELECTRIC F	OWE!	R DEVELO: NG ENGINE	PMENT COMPAN	IY"	
T			TEST PI	T AI	ID AUG	ER HOLE L	.OG	· · · · · · · · · · · · · · · · · · ·
	LOCATION		<u>ambor . Project , CAN</u>	IBOD	A FEATUR	RE Left	Ba	nk
`` [ <del>\</del> \	CO-ORDINATES	E_6	23 Km 91 N 1,386 Km	29_	R L. GF	ROUND	-45	m
`	DETAILS OF LO	CALITY	<u> 3 - Line                                   </u>		TYPE	OF EXCAVATION	<u> </u>	) m x 1.5 m
	SOIL TYPE	구성	SOIL DESCRIPTION -	DEPTH	LOG OF	EXCAVATION -	SAMPLE	
	GEOLOGICAL DESCRIPTION	8 %	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	]: ` -[	PERMEA BILITY	<b>-1</b>	COMMENTS
	5 -37 5 78 4	.100	LARGEST AND SWALLEST SIZES	THOLE	<u> </u>		1	<u> </u>
			pole grey	- r	V:777			<u>,-</u> : ,
	SILTY		laterite nodules to				1	
	° CL AY		0.5 cm, reddish brown	=	1///		3	plant roots.
			lv	0.5		-		
	CLAY		cohesive. somewhat damp,	_			·	
		ļ	reddish brown -yellow	_	12/1		45	
j			Highly weathered, and	10.	$\mathbb{N}^{2}$		<b>(</b>	
			partially clayey due to	=	[X///]		9	white limy nodules
-	SHALE	1	decomposition damp	=				subangular, 1-3 cm &
-	-			15 —				weathered shale debris- coarted with lime.
-	*		yellow.	-	H{//			Total and ame,
Ť		1		-	Base of	pit, 1.8 m.	-	Bedding;
	•			20—				strike N85°W.
				_				dip. 75°SW.
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ŀ	IOLE HARRING		<u> </u>	r I	' '		•	70 P
	OLE MADE BY H		F					LOGGED BY <i>H. J.</i>
	COMPLETED 27							DRAWN BY H.S.

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		OVERSEAS TECHNICA	L CO	OPERATIO	N AGENCY, TOKY	O, JAPA	IN. EXCAVATION NUMBER
		ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	ÌΥ	-RP ( ;
		( CON TEST DI	ISULTI T AN	NG ENGIN	eers)- ER HOLE L	ne i	
LOCATION	5amb	or Project, CAMBO	DIA.	FEATU	RE <u>Right</u>		ank.
CO-ORDINATES :	E_ 6	08 Km 915 N 1.393 Km	023	R.L. GI	ROUND		m 20
DETAILS OF LOC		CREST OF SPILLWAY (C) L			OF EXCAVATION	1.0	) m X 1.5 m
SOIL TYPE GEOLOGICAL-	3 점	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG OF	EXCAVATION	SAMPLE	· · · · · _
DESCRIPTION	GRC	LARGEST AND SMALLEST SIZES	HOLE	- 1 -	PERMEA BÎLITY	Nα	COMMENTS _
	-		- ` `	:		- ,	V 1 - 1 - 1 - 1
		SOUD Ore include	-	1/1/	•		
		SAND grains are very fine.	=	1///			with much plant roots,
SILTY SAND	_	111-	0.5				- <u>-</u>
		yellow.					
		very poor lateritization.	-	1/1/	-		
		Very Poor Internitation.	10-		' -	-	with plant noots.
		with no coarse grains.	-	1///	-		-
-			_				
	- 1	bluish yellow.	15	///	- -		-
SILTY CLAY		with well nouned QUARTZ Pebbles, dia. 1 cm.	] =	1/1/			
-	- ;	:	20		-		
		-	-	////	-		•
-			=	1///	-		-
		- -	25			1	i
			=	///	-		'
-		-	1 =				<b>◆</b> WATER LEVEL. 7.8m.
-		-	3.0			1	
		-	-				
SANDSTONE		Highly weathered.		• •	•		
Į	Ī	yellow.	35 —				
			_				
			40_	Base of	pit, 3.9 m	<del>  </del>	
	1			0.000	p.1., 0. 1 //.		
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OLE MADE BY HAZ	PAMA		1	i		' <u> </u>	LOGGED BY H.S.
						'	PI I
COMMENCED 4.1							DRAWN BY H. S.
COMPLETED 9, 1	6 6	<u> </u>				lo	CHECKED BY J. 14.

	o —am il Sulfamoria	OVERSEAS: TECHNICA	L CO	OPERATION	AGENCY, TOKY	), JAPA	N. EXCAVATION NUMBER
a _x ;		્રે_ે-ં_('.CON	ISÜLTI	NG ENGINE	PMENT COMPAN ERS)	٠,	
LOCATION	Sam	TEST Pl	T,AN	ND: AUG 7. FEATÜR	ER HOLE LO		
		08 Km 8/5 N 1,392 Km		R.L. GF			Bank m 89
		CREST OF SPILLWAY (C)		_ <u>'</u> E) ТҮРЕ (	OF EXCAVATION		
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF UNIT	LOG OF	EXCAVATION PERMEA BILLITY	SAMPLE Na	COMMENTS
-	[0 0	LARGEST AND SMALLEST SIZES	TIOGE				
SAND	l -	very fine grained. with-	-		* *	<u> </u>	I
	<b> </b>	much laterate modules, dia tolom and few well		777	, <del>-</del>	:	with plant roots.
	-	nounded QUARTZ pebbles, dia. 2 to 3cm.	0.5			-	shrinkage cracks
					-		reach to 1.5m deep.
_	-		10 -				
	-				_	• •	-
SILTY SAND		greenish yellow.	1,5 -			-	
			_		-	. "	=
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	_ = = =					:	- 🛶 -
		- <u> </u>	25		ž		_
	-	with white limy patches.	] =		-		
<u> </u>		C 1-1-1	3.0		- '-		-
<b>60</b> 1	-	Completely decomposed,	- <u>-</u>				
SANDSTONE	-	fine gnained.					
:	-		3.5		-		
			40_	Base of	pit, 2.8m		-
*	-	-	-		-	<b>!</b>	<u>^</u>
•		·	_	<u> </u>			
	-	•	45_		-		
	-		-				
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·			=	<b> </b> ` '		·	
			55_	]			-
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-			60				
		-	_	1	-		
			6.5 —				
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HOLE MADE BY HAZ	AMA	ca.	•	• -	,		LOGGED BY H. S
COMMENCED 4,1	1, 16	<u>'3</u>					DRAWN BY <u>JL S.</u>
COMPLETED 13,1	1, 36	<u>3 · </u>					CHECKED BY 7.14

2, 24,			er er	Market.			SHEETIN	0.17
		OVERSEAS TECH	NICAL, CO	OPERATIO	N AGENCY TOKY		EXCAVATION N	UMBER
		- CLEUIKI	C POWER	₹ DEVELO	DPMENT COMPAI	VY	W RP	3
-	`	· · · · · · · · · · · · · · · · · · ·	CONSULTIN	JG -FNGIN	FFDC-\	. *	-	-
LOCATION	Sam	bon Project, CA	ELL AN	ID AUG	ER HOLE L	-OG		
CO-ORDINATES :	F 6	08 Km 275 N 1,392	m 665				Bank.	
		CREST OF SPILLWAY (			ROUND		m 91	<u>-</u>
SOIL TYPE		T		<u> </u>	OF EXCAVATION		2m-x-1.5m	 
GEOLOGICAL"	GROUP	SOIL DESCRIPTION GROUP NAME	DEPTH	LOG OF	EXCAVATION	SAMPLE		
DESCRIPTION -	3 8	LARGEST AND SMALLEST SIZ	ZES HOLE		PERMEA BILITY	No	COMMENTS +	
<u> </u>			<u></u>	-		<del></del>	<u> </u>	-
	]-	grey.		77.7	<u> </u>	T `-		<del></del>
SILTY SAND			+	////	-1-1	- 1	with plant noon	łe _
	. : =	greyish yellow.		////	_			,
<del></del>	ļ		Q5				shainhage cra	L
`	}		-[		-	Ī 1	neach to Im	-RS
		_		///				оеер.
SILTY CLAY		greyish yellow.	10-		- :			,
-		arithmy fellow.	1 7		-  -	1 1		
LATERITE :- '- nodules layer:		l'aterite layer is come ed with pale grey clar	荊 弌	///	-			
		SO WITH PARE HEEY ELAY.	1.5					·
-	-	· -	1 7	///	-	]	Aldonen i musi	
	.	-	1 1			i	<b>4</b> WATER LEVEL, 1 2, Dec., •	$\cdot n$
-			20	///		<del>  </del>	-, <i>Dec.</i> ,	<b>6</b> ⊃.
-		•		Base of	pit, 2.0m		-	
i		•						
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E MADE BY HAZA						LO	GGED BY H.S.	
MENCED 4, 11	<u>, '63</u>					00	AWN BY Le. S.	
MPLETED 8, 11	, 'Z.3					IUR	AWN BY Jue BL.	[
		· I				CH	ECKED BY 7. 14	- 1

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ELECTRIC POWER DEVELOPMENT COMPANY  (CONSULTING ENGINEERS)  TEST PIT AND AUGER HOLE LOG  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  CO-ORDINATES: E 608 Km 045 N 1.392 Km 512  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.L. GROUND Z3 m 37  R.		72 - <u>*</u> *	OVERSEAS TECHNICA	<u>γ</u> τυ 	OPÉRATION	L AGENCY TO		SHE ET NOIT
DOCATION Sambor Paject Cangedry Feature Right Gank  DOCADNATES: E 608 km 045 N / 372 km 512  RIALS OF LOCALITY GREST OF SPILLWAY (G. LINE) TYPE OF EXCAVATION 1.0 m x 1.5 m  FOLITYPE COLOGICA SOLUTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTION OF SECRIPTIO		-	ELECTRIC F	POWE ISULTI	R DEVELO	PMENT COMP	ANY	AN. RP-4
DO-ORDINATES: E. 608 km.045, N. 1372 km.512  FRAILS OF LOCALITY CREST OF SPILLINGY (C) LINES TYPE OF EXCAVATION 1, 0, m, x 1.5 m  FOLL TYPE CHOCKICAL COMMENTS  SECRETION COMMENTS  SECRETION COMMENTS  SECRETION COMMENTS  SECRETION COMMENTS  FIRE gaained.  Yellow.  15  Query clay with yellow sitt.  Bearing limy materials.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  16  Bearing free limy modules.  17  Bearing free limy modules.  18  Bearing free limy modules.  19  Bearing free limy modules.  10  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modules.  15  Bearing free limy modul	LOCATION	Sami	TEST PI	T AN	ND AUG	ER HOLE		Bank
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pink.  fine gasined. yellow.  grey clay with yellow sitt.  Bearing limy materials.  25  Bearing few limy nodules, dia. 2 to 3cm.  Bear pit, 5, 0 m.  LEMADE BY. HAZAMA Co.								0 m × 1.5 m
pink.  fine gasined. yellow.  grey clay with yellow sitt.  Bearing limy materials.  25  Bearing few limy nodules, dia. 2 to 3cm.  Bear pit, 5, 0 m.  LEMADE BY. HAZAMA Co.	GEOLOGICAL DESCRIPTION	GROUP SYMBO	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	LOG OF			COMMENTS
SAND. five grained. Yellow.  1.5  Quey clay with Yellow sitt.  Bearing limy materials.  2.5  Bearing few limy nodules, dia. 2 to 3cm.  Bear of pit, 5.0m.  1.5  1.5  1.5  1.5  1.5  1.5  1.5  1	-	<u>-</u>	* <u></u> :					
THE MADE BY HAZAMA CO	-	_		=			_	with grass nosts.
gray clay with yellow sitt.  Bearing limy materials.  Bearing few limy nodules, dia. 2 to 3cm.  Bearing few limy nodules, 35  40  Base of pit, 5, 0m.  LEMADE BY HAZAMA Ca.  LOGGED BY J. S.	SAND.	-	•	05_			-	
gney clay with yellow sitt.  Bearing limy materials.  Bearing few limy nodules, dia. 2 to 3cm.  Boaring few limy nodules, dia. 2 to 3cm.  Boaring few limy nodules, dia. 2 to 3cm.  LEMACE BY HAZAMA CA  LOGGED BY A. S.				=	7777	_	-	
Anery clay with yellow silt.  Bearing limy materials,  Bearing few limy nodules, dia. 2 to 3cm.  Bear of pit, 5.0m.  LEMADE BY MAZAMA CO.  LOGGED BY JL. &	SILTY SAND	-	With Industrial Hodales.	10 -			<b>Q</b>	1
Anery clay with yellow silt.  Bearing limy materials,  Bearing few limy nodules, dia. 2 to 3cm.  Bear of pit, 5.0m.  LEMADE BY MAZAMA CO.  LOGGED BY JL. &	·			-			Name of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last o	-
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Bearing few limy nodules, dia. 2 to 3cm.  Bearing few limy nodules, dia. 2 to 3cm.  50  Base of pit, 5, 0m.  55  60  65  LEMADE BY HAZAMA CA				]_ =				-
Bearing few limy nodules, dia. 2 to 3cm.  50  Base of pit, 5, 0m.  55  60  65  LEMADE BY HAZAMA CO.	YAJO, YTAI			-				-
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LE MADE BY HAZAMA CA.  LOGGED BY Jl. S				50— -	Base of	pit, 5.0 m	.	
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,	-		TEST PI <i>در Project، CAMBot</i>	T AN	ID AUG FEATUR	ER HOLE L	<u>ight</u>	BanK
-	•		09 Km 295 N 1.392 Km . FLOODWAY OF SPILLWAY ((		_	OUND		m 85 m x 1.5 m
-	SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No	COMMENTS
			\	` `				
	SAND		fine grained.	-			-	
				05	7.7.7.7	-		with plant zoots.
			pale yellow SAND with heddish brown patches of weak latentization:	10 -		-		Shrinkage cracks reach to 1.2m deep.
<u>.</u>	EUTY COUR		yellow silty sanc	  1.5		-		-
_	SILTY SAND	-	with white limy patches.			-		- 1
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				25			er in the contract of	
4			-	3.0—	• • •	-		- ,
		-	Completely weathered.	=	• • •			
			nedium grained.	3.5	•			
	SANDSTONE		yellow to	=				
		j !	pale yellowish gney.	40—				
				45				
				5.0-	Base of	pit, 4.8 m	<del> </del>	-
				-			l i	
y k				55 —				
* «				60				
		}		-				,
				65				<u> </u>
	HOLE MADE BY HE			'	ı	I	i	LOGGED BY H. S.
	COMMENCED 91							DRAWN BY H. S.
	COMPLETED 12.	11, %.	3					CHECKED BY 1/4

	1000年 - 1211年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 1212年 - 121212年 - 12124 - 12124 - 12124 - 12124 - 12124 - 12124 - 12124 - 12	Enderg.	THE RESIDENCE PROPERTY.		est in Light Acres	Albert yt.	Andrew Colors	ida yang. Dalam da		EET NO.179
- (*)		* 7**	DVERSE 45	FCTPIC :	AL∯CC	OPERATIO	N AGENCY, TOKY	Ó, JAP/	1 N	ANTON NOWBER -
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	LOCATION	د د شرک		EST PI	TA	ND AHG	ER HOLE L			
*	'	- 6	or Project, 109 km 150 N	CAMBODI	504 ·	-		t Bo		
			FLOOD WAY.						<u>m 23</u>	
	SOIL TYPE ~-			<del></del>	DEPTH		EXCAVATION		I Om x I	.5 m
	GEOLOGICAL DESCRIPTION	GROUP	GROUP N	AME .	lor	1	PERMEA BILITY	SAMPLE No.	СОММЕ	ENTS
į		100	LARGEST AND SMA	LLEST SIZES	HOLE	<u> </u>	PERMIEN BILLT	l Mar	L	
	SAND	- ;	fine grained.	grey,	Τ -			T ==		
	SILT	_ ;-	with poor la			17/7		- ' -	organic with plan	smeti i roots
	311.1	-	- nodujes yellow.		05	177		-	7 - 7	
	SILTY ·		Containing com	pletely	-	11/12	- ' , -	-		la teritic"
	CLAY		weathered tragm	nents		1999	-		nodules	(dua. 05-07cm)
	SILT		of sandstone,	-	10 -	11/1	- <u>-</u> -	1	x.	<del>-</del> .
	INTERPEDE SANDSTONE B SHALF	-	shalerichf		] =	<u>=====</u>		<u> </u>	Bedd ing	
-	- SHALE	-			_ =	Base of	,12m _د ااع	*	Strike	- N18°E
	* 1			- "	1.5    -	·	<del>-</del>		dìp,	60° SE
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L	<u> </u>			}	[	}				
н	OLE MADE BY HAZ	AMA.	<u>c</u> o.	·	•	ι	ľ	ļ,	OGGED BY	H. S
	OMMENCED 9 No		<del></del>						RAWN BY	- 1
	OMPLETED 11. No		1						HECKED BY	
		<u></u> =,	<del>-</del>   '					IC.	DECUNED BY	~~~~~

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-	:	( COI	nsulti	NG ENGINE	PMENT COMPANI ERS )		
LOCATION - S	saml	IEST P bon Project, CAMI	IT AN	ND AUG	ER HOLE L		
CO-ORDINATES:	E	08 Km 885 N 1,392 Km	552		OUNDK		<u>Bank</u> m 9/
		FLOOD WAY OF SPILLWAY ((					0 m × 1,5m
SOIL TYPE GEOLOGICAL	공절	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	0EPTH	LOG OF	EXCAVATION	SAMPLE	
DESCRIPTION	SR.	LARGEST AND SMALLEST SIZES	HOLE	`	PERMEA BILITY	No	COMMENTS
-	,				-		
	, <u>j</u> -	1 ,57	_				- <u> </u>
SILTY CLAY		greyish brown.	-	1/1/	-[],		
			0.5				
<del>-</del> I			┤		·	-	
- 		yellowish brown.	10-		<u> </u>		•_
	-	Highly weathered		• •		ļ ⁻	`
interbedding	-	banded SHALE		• • •			-  -
SANDSTONE and		and massive	1,5				
SHALE		SANDSTONE.	- =	• •			-
			20-		<u> </u>	-	
- ^				Base of	pit, 2.0m.		
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		_	3.0			-	
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	-	·	6.5				•
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OLE MADE DE MO	20142	7	<b>!</b>	ļ	I	·  -	90 V
OLE MADE BY HAT					•	ļ	OGGED BY H.S.
						C	DRAWN BY H. S.
COMPLETED 11.1	<u>4, 6.</u>	<u>-</u>				c	HECKED BY 7.14

( ) p			OVERSEAS, TECHNICA	AL CC	OPERATIO	N AGEN	VCY-TOKY		EXCAVATION NUMBER
,,,,		7.	ELECTRIC	OWE	R DEVELO	PMENT	COMPAN	J, UM: -	RP-8
				ISULTI	NG ENGIN	EERS )			
-	LOCATION 5	ambo	TEST PI	I AI	ND : AUG	PEK'. I			à
_	CO-ORDINATES :	έ 60	8 Km 635 N 1,392 Km	565		ROUND		1905	Bank. m 46
		-,-	LOOD WAY OF SPILLWAY (				AVATION		
	SOILTYPE		SOIL DESCRIPTION	DEPTI			VATION	T -	0 m × 1.5 m
i	GEOLOGICAL - DESCRIPTION	GROUP	GROUP NAME	l of				SAMPLE	COMMENTS
-		<u>  ο ο  </u>	LARGEST AND SMALLEST SIZES	HOLE	:	PERM	EA BILITY	Nα	
1			Dappled neddish brown spots	ı .				- <u>-</u> -	
			wappea.neaaisn alaun spais	_	: : : : : :		_		with plant roots.
1	SAND,"	-	time grained.	-	::::::::::::::::::::::::::::::::::::::				
٠	1		pake yellow.	0.5				_	
ı	- :		with late of the	] -	111	-	-		•
	SILT.		with laterite nodules.	-		- \- `			
	•		-yellow · ;	10			-	]	
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ı		-			1/1/	_			
ı		-	Dappled white clayer	1.5		,	- -	-, -	
l	CLAYEY SILT		spots.	=			-		
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				-		\$ ] - <u>-</u>			
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Γ		<u> </u>		25_	////	- ,-	-	ŀ	<u>-</u>
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l	- [ 	` 	مانسالدد.	-		_	-	-	<u>.</u> .
l			with shaly fragments	3.0		· ' 	-		
l			in some-little			-	*	-	-
	SILTY SAND		_ amount	` <u> </u>					
١			pale yellow	3.5		-	- `		
		-	to yellow.	· ~			-	`	
l		1				` .	-		•
ı			with yellow	40			`	1	
			SANDSTONE boulder, dia, 50 cm, of						
L			, dia. 50 cm, of subrounded shape.	45_				1	•
		ļ			Base of	pit,	4.5m		<
l					` ]				
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н	DLE MADE BY HAZA	MA C	<u>,</u>		ı		ı	<u> </u>	20 P
	MMENCED 13, 11				•				OGGED BY H. S
						` .			RAWN BY EL. S.
C	OMPLETED 17, 14	<u>, 63</u>						· lo	HECKED BY 7/6

			AND WAY	TAP CENT	<u> </u>	SHEE T: NO 182
-	OVERSEAS TECHNIC	AL CO	PERATIO	V. AGENCY TORV	) IAD	EXCAVATION NUMBER
	ELECTRIC	POWER	DEVELO	PMENT COMPAN	J, JAPA V	an, RP-9.
	· ( COI	VSULTIN	ig Engini	EERS )		
LOCATION Sambe	TEST P	T AN	D AUG	ER HOLE L	OG -	
	Thoject, CAMBOD	NA.	FEATU			Bank
CO-ORDINATES : E	608 Km 440 N 1,392 Km	<u> 555                                  </u>	R.L. G			m 38
DETAILS OF LOCALITY	FLOOD WAY OF SPILLWAY (	C) LINE	) TYPE	OF EXCAVATION	. 1.	0 m × 1.5m
		DEPTH		EXCAVATION		T
SOIL TYPE GEOLOGICAL - OWN DESCRIPTION BY	GROUP NAME	OF ]		PERMEA BILITY	SAMPLE	COMMENTS '
100	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BICHT	Na	<u> </u>
<del></del>		-			-	
SAND	fine grained. grey,	<b>∄</b> ⊢		- !		with plant noots.
	yellow.	┨ - 📑	<del>````</del>			Bearing laterite
		05_		- -		nodules, dia, to lom.
	· _	- <b> </b>	////	-	-	
	pale yellow.					
		₁₀ _	///	-	`	,
-	. <u>.</u>	``` →		-		Jh
		1 📑		-		Sittinkage Chocks
	with white limy	15 —	///		1	shrinkage cracks reached to 2m deep.
	spots and patches.		///	-		to 2m deep,
SILTY CLAY	, , , , , , , , , , , , , , , , , , , ,	-	////			
SILIT CLAI	-	<b> </b> →	////	-	[ .	-
		2.0				
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	yellow.	-	////			
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•	•	3.0-	9/51	,		-
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		<del> </del>	$\div$			
interbedding		40_				
SANDSTONE	completely	」士			-	
and SHALE	weathered.	I - ₋	• •	İ	ŀ	
) ,,,,,,,,,		45	• • •			
		+;	Base of	pit, 4.6m		
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HOLE MADE BY HAZAMA C	a.				L	OGGED BY <u>H.S.</u>
COMMENCED 13, 11, 16.	<u> </u>					DRAWN BY JL. S.
COMPLETED 19. 11, 16.					اً	4 1.1
COMPLETED CALLO	<u> </u>				[0	HECKED BY 7/6

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	LOCATION		TEST∉PI	VSULTI T⊉AN	NG ENGINE	EERS () ER HOLE L	)G		
	1	_ 20 <u>m</u> 0	por Project: CAMBO B km   56 N   392 km	<u>DIA.</u> 290	FEATUI		<u>1В</u>	ank -	
,		-	RAINING WALL OF SE			ROUND		m 20	,
- 1	SOIL TYPE	<u> </u>	SOU - DESCRIPTION	ILL YV	AI TIPE I		1.0 1	1/ X 1.5 M	٠
-	GEOLOGICAL DESCRIPTION	S S S S S S S S S S S S S S S S S S S	SOIL TOESCRIPTION GROUP NAME ARGEST AND SMALLEST SIZES	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS	
	DESCRIPTION	<u>ଅଟି   ୮</u>	ARGEST AND SMALLEST SIZES	HOLE	<u> </u>	PERMEA BILITY	No.		-
	<del></del>	<del>- }</del> -			- <del>जिस्सार क्रिकेट</del>				_
	SILTY	-	ery fine grained.	.	17:5		-		
-	SAND	- L	pale yellow.				2.5	plant roots	
	-	-	reddish brown spots -	Q5	17.7	-			_
1			in pale grey matrix.		1/1/2	- J	-	-	-
	SILT				14.2				_
1	-	-   ]	very poor	10-	1/1/	_	*	laterite nodules, 05cm	
1			lateritization, _ = =		1511	-	:	-	
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1		,	with no coarse grains,		1999	-		w	
			damp	25_	922	j		-	
1					499	-		-	
	SILTY	I	Notified yellowish brown	7			-	-	
1	-	İ	and white.	3.0	11/1		.		١
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L				5.0	4//		i	•	l
ı	1		-	$\Box$	Base of	pit, 5.0 m.			l
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<u>ا</u>	NEMADE DOLLAR	<u></u>	ן '	1	1	1	$\vdash$	70 0	
	DLE MADE BY H AZAI		<u> </u>	i.			- 1	OGGED BY R.S.	ĺ
	MMENCED 13. Nov.		Î		•			RAWN BY - H. S.	İ
C	OMPLETED 20 Nov.	63	-				c	HECKED BY 7./4	:

ب الانجامان و والواقع و ماياها

- ,			*	re i jūgija			TO STATE OF STREET STATE OF STREET
	• .	OVERSEAS TECHNIC	CAL C	DOPERATIO	N AGENCY:TOKY	O: JAPA	AN, EXCAVATION NUMBER
		ELECTRIC	POWE	R DEVELO	PMENT COMPAN	IY -	
· .	. =	TEST P	IT A	ING ENGIN	EERS )	വര -	
LOCATION	Sam	TEST P	DIA.	FEATU	RE Righ	it Bai	nk
CO-ORDINATES:	ε_ 6	08 km 270 и 1,392 km	046	 RL.G	ROUND		m 42
		TRAINING WALL OF SE					
SOIL TYPE	라형	- SOIL DESCRIPTION	DEPT	H LOG OF	EXCAVATION	7	1
GEOLOGICAL DESCRIPTION	S.M.	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	_SAMPLE No.	COMMENTS- *
<del></del>	100	LARGEST MAIN SWALLEST SIZES	nole			1	
-			Ī	1///	<del></del>	<del></del>	
SILT		no warse gran.		<del>4/////</del>	-		plant roots.
		pale yellow	_  :	1/1/1			
		brown spots in pale	0.5				-
		purple matrix	-				
SILTY				1111		]	
CLAY		pebbles; round or sub-	-10-	1/1/2	-		Most of pebbles are
		round, dia 2-4cm	-	1///			quartz
			- :	10/1/			
		4,	15 _	1999			-
		<u>.</u>	-	133		Ī	-
		cohesive .					
CLAY			2.0	1////			-
			-	1000			
	-	pale yellow - yellow.		1///	ľ		
			25_				
			_	1/1/2		<u> </u>	
		weathered and soft,	· -	<del></del>	:		-
ļ	ļ	Able to dig by hand	3.0-				•
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		ye How .	35				
SHALE		-	33-	]			
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			45_	Base of	pit, 44 m.	1	
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LE MADE BY <u>HAZ</u>	ΔΜΔ	<u>C</u> o	•				.ogged by <u>H. S.</u>
MMENCED 15, No	ov <u>, 63</u>	<u> </u>					DRAWN BY H. S.
MPLETED 21. No	v., 63						HECKED BY J. 14
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1_		: ``	ELECTRIC,	POWE	R DEVELO	PMENT COMPAN	y, JAFA Y	N. RP - 12	1
				ISULȚII	NG ENGIN	EERS )	ż		1
-	LOCATION	Sam	bor Project, CAMBO	I-AI	ID AUG	ER HOLE L		V-1	1
			bor Project, CAMBC	101A.2 845	- ·		Banl		1
			TRAINING WALL OF SPI			ROUND		m6	1
	SOIL TYPE						1.0	m x 1.5 m	_
	GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION -	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS	
	PCZOVILLIOIA	10 W	LARGEST AND SMALLEST SIZES	HOLE	-	PERMEA BILITY	Na		
	· · ·	<del></del>		ì	<del>, , , , ,</del>	- , <u></u>	<del>,</del>	<u>. 1- *                               </u>	ሷ∙
-		-	greyish brown,	] =					7
``	SANDY SILT-		very fine grained		110)	[ · · ·		plant toots,	
			y e ll ow	05				-	-
-	<u>-</u>	-	laterite nodules (dia 0.5cm), yetlawish brown	` =	1999	- ,		-	`
			Mottled white and yellowish -	]	1717	- `	<u>.</u>		
		-	brown, due to decomposition of limy materials	10 -	12/2	-	١.		
	CLAY -	• -	with weathered shale	-	1255		AT .		1
_		_	with weathered shale fragments.	1.5	1111				
L			yellov,	.3 -	1///		A 4	-	
			Highly weathered.			-	<u> </u>	Bedding spacing; 3-5cm.	-
١	· -			20		,		bedding spacing 3-5cm,	
1	011015		Able to dig by hand	=			-	strke, N2O ^O E -	
	SHALE	2 -	hae,					- dip 80°SE.	1
-	_		y el low	25	<del>-</del> :				
1	÷		<del>-</del> -			·		-	
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		-	- ·	30—	Base of	pit, 2.9m.			
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Н	OLE MADE BY_HAZ	AMA C	0.	- 1	•	•	· [	OGGED BY HS.	
	DAMENCED 15. No	_					i	DRAWN BY H.S.	
1	DMPLETED 21 No		, 1 ⁻					CHECKED BY J. A	
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SHEET NO 186

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-			ELECTRIC	POWE	OPERATION	Y AGENCY, TOKYO PMENT COMPAN	O.JAPA	EXCAVATION NUMBER AN. RP - 13
	LOCATION	- Sai	TEST PI	T A	ND AUG	ER HOLE L		
-	CO-ORDINATES	: E 6	08 km 4 90 N I 391 km	620			ht <u>F</u> 23	m 30
i	DETAILS OF LO	CALITY	TRAINING WALL OF SPI	ILLWA	ያ TYPE (			) m x l 5 m
ı	SOIL TYPE GEOLOGICAL					EXCAVATION	SAMPLE	
ĺ	DESCRIPTION	SYM	SOIL DESCRIPTION - GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	Na	COMMENTS
							<u> </u>	
ı	SILT		light greyish brown	=-			T -	plant roots,
- [			light yellow,	]			ĺ	
l	-		lateritized, reddish brown,	0.5		-		tateritic nodutes, (dia.0,3-0.5cm).
	-		-		KA			Poorly Intentized.
١			with no coarse material	10 -	17.7		1	
ı	CLAY		except few white limy	- =		i.		
	-		nodules, (dia, 1 -25cm), yellow,	1.5	1///	_	5	
1			, , , , , , , , , , , , , , , , , , , ,		111	-		
	-		·	_	12.7	-		
	-	•	-	20			Ð	·
-			Highly weathered and	_				_
ŀ	SHALE		decomposed. yellow.	25			[ ]	
			-	-	Base of	pit, 2.5 m		·
	-			-	3			
l	·			3.0				
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НС	OLE MADE BY HAZ	AMA Co	, ,	1	I	i	l.	OGGED BY H. S.
	MMENCED 20, N		<del>-</del> 1		•			~ 4
	DMPLETED 26, N							PRAWN BY St. S.
··(	JIVIPLE IEU						C	HECKED BY 14 B.

							SHEET N	O IR7
STATE STATE STATE	materials materials	TO POOL A DITTOUNION	<b>高級</b>				EVCM/ATION AND	A contract designation
			OWE	R DEVELO	PMENT COMPANY	=	RP -14	*-************************************
		TEST PU	TAN		ER HOLE LO			-5
LOCATION		n bor Project; CAMBO 08 km 820 N 1,390 km 5	- 7.	_			Bank m	<u>-</u> -
DETAILS OF LOCAL	7	TRAINING WALL OF SPIL	.ZWA	Y	OF EXCAVATION			· <b></b> -
	SWBOL	SOIL DESCRIPTION GROUP NAME	DEPTH	· ·		SAMPLE		<u>-</u>
DESCRIPTION	38.68	LARGEST AND SMALLEST SIZES			PERMEA BILITY	Nα	OUBLINES	
-CUTV OLAV		grey.	<u>.</u>	17.74	3 T	,	<u>-</u>	
-SILTY CLAY	= \	with plant roots.	_			_		
-:		dark brown spots	05_					
CLAY		moderate cohesion.			·		-	<del></del>
-	-	no coarse grains.	1.0			6	domp.	-
		with few plant roots.	-		r - ~ -	3	<b> </b>	
			1.5	1//	- 		water level, 1 20 Dec	-
	1.		-	Base of	pit, 1.5m			- ,
	-		2.0		-			·
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			25_	<u> </u>	-			-
	-		-	] - , ',		- : -		-
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		, ,	-	]		,		
	•		6.5	- - -	}			
1		" <b>.</b> I						
HOLE MADE BY_HAZ	<u>'AMA</u>	Co.	•	•	1	•	LOGGED BY H.	S.,_
COMMENCED 1 De							DRAWN BY H.	<u>\$.</u>
COMPLETED 2, De	.c. 6	3		-	•	٠	CHECKED BY 14	<u>z.                                    </u>

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							SHEET NO 188
	- ,2 [*]	OVERSEAS TECHNICA	L CO	OPERATION	V AGENCY, TOKÝC	JAPA	N RP - 15
-	. : 			NG ENGINE	PMENT COMPAN	Y .	i i vie - in ii
_ :		TEST PI	T AN	ID AUG	ER-HOLE L	-	
LOCATION	<u>.</u> S:	ombor Project, CAM	BOD!	<u>Δ</u> . FEATUR R L. GF			Bank m 62
DETAILS OF LOC	≃ــــــ ALITY	0 8 km 580 N 1,39 2 Km FLOOD WAY OF SPILLU	VÄŸ	TYPE	OF EXCAVATION		Om x l.5 m
SOIL TYPE GEOLOGICAL		SOIL DESCRIPTION	DEPTH		EXCAVATION	SAMPLE	
DESCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	- , , , , ,	PERMEA BILITY	No	COMMENTS
		<b>1</b>		- <del></del>			
	- ~	with fine grained sond,	-2-			-	plant roots,
SILT	-	lateritic nodule s			* -:	-	
-		well round quartz pepbies	05		<u>-</u>		
<u> </u>		idia 2 - 3 cm).	-		-	ļ	- . <del>.</del>
		soft, black (dla 0.5cm)	10-	11/1	-	1	-
-		high cohesion.			-		, -
CLAY	-		15			Į .	, , ,
		pale grey yellow.	=				-
- 			20	1111			
, ,		with some debris of				-	
SILT		weathered sand	=				-
	ļ	stone: yellaw	2.5		-		
	ļ		<u> </u>			ļ	
			30-	Base of	pit, 2.8 m		-
<b> </b>	}		=	Ξ			
			3.5				-
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		· -	6.5 —		] .		·
			) }				
HOLE MADE BY HA	ZAMA	Co.			· .		LOGGED BY <u>L. J.</u>
COMMENCED 20.1		[					DRAWN BY H. S.
COMPLETED 26.1	<u>ь</u> v., (	<u>33</u>					CHECKED BY_[d_&

を選びた。			OVERSEAS TECHNICA ELECTRICAS (LCON	POWE	R: DEVELO	N AGENCY, TOKYO	JAP/	EXCAVATION NUMBER
,	LOCATION	S'à m	TEST PI	T∄Al	VD AUG FEATU	ER HOLE L		<u> </u>
	CO-ORDINATES:	÷ε (	608 km 732- N 1: 3 92 km	470	<del>-</del> .		ht .B 24	m 45, :
	DETAILS OF LO	ALITY	FLOOD WAY, OF SPILLWAY		-	OF EXCAVATION		.Om x 1.5 m
-	SOIL TYPE			DEPTH		EXCAVATION .	T-	T
	GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME	OF		PERMEA BILITY	Sample Na -	1 COMMENTS
-		10.0	LARGEST AND SMALLEST SIZES	HOLE		FERNICA DICTIT	, Nu	
	Little A	T		<del></del>	11/11			- · · · · · · · · · · · · · · · · · · ·
-		- <u>:</u> 	clayey	-			-	plant roots.
1	- 1		graded giravel _	0.5_	1/1/			
- [	SILŢ		(dia 2-4 cm) on the		1/1/			with white limy
			bottom of lateritic-	-	1/1/1			amali spats.
I	-	<u> </u>	layer.	10~	17.14		_	In Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of
			pale yellaw - grey,	- =		- 1		lateritic nodules. (dia 0.6cm or so ).
Ì				    1.5 —	100		-	few small round or
-			limy spots, nodutes	.5				flat quartz pebbles,
١	-		(dia.2-3cm) and few	_		*		(dia 1 - 2 cm)
I		•-	black soft lateritized	20_	19:31		Ì.	
1	CLAY -		nodules (dia 07 cm).  high cohesion.	-		· -		Containing shale
١	CLAT		grey spots in brown	-		-	f	small fragments &
1	`		matrix -	25_	1777	~ .		completely weathered
١		[		_			-	- sandstone boulder.
l		1		-	1/1/2	• * -		rather sondy than
l	-		yellow.	3.0				upper layer.
ľ				_		-		,
l			- -		Base of	pit, 3.lm	. `	-
l			· _	3.5				-
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Ŀ	OLE MADE BY H AZ		== 1					LOGGED BY <u>H. S.</u>
C	OMMENCED 20,	Nov., 6	.3					DRAWN BY H. S.
c	OMPLETED 26,	Nav., 6	3			•		CHECKED BY 14-8.

	٠.	- OVERSEAS LEGINIVIE	T -000	JECKAI WY	REAGENCY, TURY	), JAPA	N: RP - 17
				R DEVELO NG ENGINE	PMENT COMPAN	( 	
LOCATION		TEST PI	T AN	ID AUG	ER HOLE LO		
CO-ORDINATES :		r Project, CAMBOD D8 km 8 00 N 1,392 km		-	ROUND	ight. 23	
DETAILS OF LOC		1.0 m x l.5 m					
SOIL TYPE	90 P	SOIL DESCRIPTION	DEPTH		EXCAVATION EXCAVATION	SAMPLE	
GEOLOGICAL DESCRIPTION .	SYME	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	:	PERMEA BILITY	Na	COMMENTS
j =				:			
		fine grained.	[				
		small brown spots	_ =				plant roots.
SAND		(dia. 1-2cm) in gray	0.5	-, -,,			
JA NO		motrix.	=-	,	- <del>-</del> - ~		few fine plant roots.
			10 -		, '		
			=		-	1	lateratic nodules,
	<u> </u>	-	-	7.77	-		(dia. 03-04 cm),
		high cohesion.	1,5			[	limy nodules
-	ļ	illyi conesion.		11.91			(dia, 3 - 5 cm) and
CLAY		white and yellow	20—			}	few well rounded
J. CEAT		spots in grey matrix.	-~ . <u>_</u>	1771		`-	quartz pebbles,
		-	-	144		,	(dia , 3 – 4 cm).
-	j .		25_	1119			damp
-		<u>-</u>			- :	-	
SILTY	-	contains some sand.	3.0—	11/1	* -		with weathered debris of
CLAY		yellow.					sandstone (dia, 10 - 20 cm),
-			Ė		•		damp,
			3.5 —	Base of	pit, 3.2 m	ľ	
			_	}	~	ļ	-
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<u>}</u>			-	}		}	
-			-				
	-		6.5 —		İ		
]			i )			}	,
HOLE MADE BYHAZ	AMALO	·. ·	•	•	•		LOGGED BY H. S.
COMMENCED 20,							DRAWN BY H. S.
COMPLETED 26		3		-		•	CHECKED BY 14.8.
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									SHEET NO 191
			OVERSE	AS TECHNICA	CO COME	OPERATIO	N-AGENCY, TOKYO	), JAP/	RP - 18
					ISULTII	NG ENGIN	EERS ) SER-HOLE L	*	- ~ <del>~</del> ~ ·
ine	<u>1</u> 1 : 12:11	# 7		CAM BODI	<u>A ·      </u>	- FEATU	RE Rig	<u>ĥ†"</u>	Bank
	CO-ORDINATES:	ALITY	FLOOD WAY	NI,331 KM OF SPILLW	AY		ROUND OF EXCAVATION	_ <u>23</u>	m92 Om x 1.5 m
	SOIL TYPE	을 <u>함</u>	SOIL DES	CRIPTION	DEPTH			SAMPLE	<del></del>
·	DESCRIPTION	[g.g.]	LÁRGEST AND S	CRIPTION NAME MALLEST SIZES	HOLE		PERMEA BILITY	Nα	
·			with laterit	e nodules	<u> </u>		, , , , , , , , , , , , , , , , , , ,	-	plant roots.
;	SILT		pale yello	in plenty.			- · · · · ·	-	laterite_nodule,
	- ,			<del></del>	0.5		 		dia, 0.4 -06cm.
*	CLAY	~ }	high cohe		_			-	<u>.</u>
,			red spots. : - vet	in Iow matrix	10	11/1/		-	
-		_	· · · · · · · · · · · · · · · · · · ·			<u> </u>		-	
		_	Completely in	weathered and	1.5 —			-	Stratified.
·- · · ·	SHALE		pale grey	yellow.	20—		*, *	-	10cm or so
				<u>- ;</u>			-	: -	d ip 200 NE
					25_	Base of ,	pit, 2.2 m	: .	
- -		** _{**} ** :							
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-  -	OLE MADE BY HAZ	AMA C	<u>o</u> .		1		-	ŀ	OGGED BY H. S.
j	COMMENCED 19, N		~		=	-		. [0	DRAWN BY H. S.
lo	COMPLETED 23, N	ov., 63	.					lo	CHECKED BY 14-8

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		OVERSEAS TECHNICA	L CO	OPERÁTION	AGENCÝ, TOKYC	, JAPA	N. EXCAVATION NUMBER -
		ELECTRIC P	OWER	R DEVELO	PMENT COMPANY		RP-19
	1	TEST PI	T AN	NG ENGINE	ER HOLE LO	OG	
LOCATION	Saml	bor Project, CAMBOD	IA	FEÁTÙI		t B	
CO-ORDINATES :	E_6(	OB KM 890 N1,392 KM ( FLOOD WAY OF SPILLWA	<u> </u>	_ R.L. Gf	ROUND OF EXCAVATION		<u>m 78</u>
DETAILS OF LOC			DEPTH				Om x 1. 5 m
GEOLOGICAL DESCRIPTION	ROU	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF.		PERMEA BILITY	sample No	COMMENTS
	0 is-	LARGEST AND SMALLEST SIZES	HOLE	<u></u>			
	T -	very fine grained.		14 54			plant roots
SILTY SAND		with few quartz round pebbles, (dia, 3cm).		2223		-	lateritic nodules
	-	medium cohesion.	0.5			_	with completely
SILTY CLAY		palē yellow.	=	17.11	-		weathered shale debris 8 fragments.
·	<b></b>	Hardly weathered and partially clayey.	=	<u> </u>	- -		
SHALE.		pale yellow.	10-	Base	of pit, I.Om		space.
			-	]		<u> </u>	strike N5 ⁰ E, dip 85 ⁰ SE.
		_	15 —	<u> </u>		_	-
			_		- :	<u> </u>	-
			2.0	·			
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			=				
			6.5 —	1			
	<u>L</u>		i			j	
HOLE MADE BY HA	<u>ZAMA</u>	<u>Co.</u>					LOGGED BY H. S.
COMMENCED 19.1	ا ـ س لاهاد	63.					DRAWN BY H. S.
COMPLETED 21, N	10½.	63.			•		CHECKED BY_(14_8
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LOCATION		TEST PI	OWER ISULTIN T ANI	DEVELO G ENGINE D AUG	PMENT CÓMPAN ERS ) ER HOLE LO	'∵ ÒG	,RF - 20
· · · · —		bor Project, CAMBO 29 km 052 vil,392 km (		FEATUR	RE Rig		Bank m.81
DETAILS OF LOC	ALITY	FLOOD WAY OF SPILLWA	Υ	-	OF EXCAVATION		
SOIL TYPE		SOIL DESCRIPTION	ОΈΡΤΗ		EXCAVATION	SAMPLE	
GEOLOGICAL DESCRIPTION	GROUP SYMBÖL	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	Na	COMMENTS
SAND		fine, partially sifty or granule, with round pebbles, brown,					plant roots.  pobbles; quartz and shale. (dia. 05cm).
SILT	-	clayey, pale yellow,	<u>α</u> 5—)	99			
CLAY	-	silty high cohesion,				. =	with much tateritic; nodules. (dia.02-lcm).
SANDSTONE		Completely weathered.	1.5			-	intercatating shale band 5cm thick
WEATHERED		medium grained, pale yellow,	""	<u>//</u>			strike N-S, dip 85°E.
	* ) -		20-	Base of	pit, l.7 m		
. *** -	<u>.</u>		25			,	,
		; - -					
•	_		3.0	-	_ *		
			35	-	-	] ' `	
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		,	60-				† † 
	_		6.5				,
HOLE MADE BY HA	1 7ΔΜΛ	Col	1 1		1	• .	LOGGED BY H. S.

·	<u> </u>					7= 7=1	SHEET NO. 194
	- :	OVERSEAS TECHNIC	777 00	OF FIXALIO	AGENOT, TOKE	U, JAPA	EXCAVATION NUMBER
					THE THE CONTRACT	iY	RP - 21
<b>-</b> -	-	( CC	INSULTI	NG ENGIÑ	EERS )		
LOCATION	٥,	Project	II AI	ND YOU	ER HOLE L		
-	<u> </u>	mbor Project, CAN	IBODIA	L. FEATU	RE		Bank
CO-ORDINATES .	£_ 5	08 Km 700 N 1,392 Km	<u> 136</u>				m 18
		FLOOD WAY OF SPILLWA		TYPE	OF EXCAVATION -		.O m x l 5 m
SOIL TYPE GEOLOGICAL	글	SQIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTI	LOG OF	EXCAVATION	SAMPLE	
DESCRIPTION	RC ₹	GROUP NAME	OF		PERMEA BILITY		COMMENTS
· · · · · · · · · · · · · · · · · · ·	100	ILANGEST AND SMALLEST SIZES	HULL	<u> </u>	T ENIMER DIETT	110	+5.2
<del></del>			<del></del>	17 6 6			
-	]	-		1. 11/2	-		few plant mots.
SILTY SAND	Ī .	very fine grained.			-		
-		pale grey	0.5_	1111	-	-	
		pare grey.	-	<b>1</b> /1.5			·
			1 -	<b>1</b> 2.4.2		1	
			-			}	Interitic modules,
		-	_ 10	1 y		1	(dea. 05 - 1cm), 1
		•	-	17.77	-	1	Scattering well round
	] .	high cohesion.	-	1//3/	-	1	-ed quart pebbles.
		yellow	1.5	<b>]</b> [2. (*		1	(dia 3-4 cm) -
SILTY CLAY	li	yeriow.	-				
			_				shrinkage crack
·		-	- 20-	11/1		Ì	to 2m in depth.
		-"	_	1.150		-	
		•	-   -	12.77			few limy-grams and
		high cohesion.				1	Interitic nodules.
			25_	177		1	(dia, icm or so),
CLAY			-				
	li	Mottled grey	-			.	
• •		and yellow.	30				boulders (dla.15- 50cm ) of
			-	· / ,,, · ·			weathered medium
	i		1 =				grained sandstone on
			-   35	' ' '			base.
		-	133 —	Base of	pit, 3.5m.	1	
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DLE MADE BY HAZ	AMA.	<u>c</u> o.				Į,	OGGED BY H. S.
MMENCED 21, N	-						
		- _}					DRAWN BY H.S.
OMPLETED 26, N	ov., 63	· ·				ا	CHECKED BY 10-8.

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OVERSE AS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER RP - 22 ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS ).
TEST PIT AND AUGER HOLE LOG
Sambor Project. CAMBODIA. FEATURE! Right Bank CO-ORDINATES: E 608 Km 61.5 N 1,391 Km 79 2
DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY ____ R.L. GROUND ______ 23 m 60 TYPE OF EXCAVATION 1.0 m x 1.5 m SOIL TYPE GEOLOGICAL SOIL DESCRIPTION GROUP, NAME LOG OF EXCAVATION DEPTH SAMPLE COMMENTS OF. PERMEA BILITY DESCRIPTION ARGEST AND SMALLEST SIZES silty, plant SA ND_ taterite nodules, (dia. 03 - 07 cm). pebbles, (dia 2-3 cm). without coarse grains except unconsolidified black lateritized few plant nodules . (dia. 0.4cm , brownish CLAY Bearing fragments of shale in some quentity, SHALE completely weathered. pale grey to yellow. 35 5.0 55 60-LOGGED BY _ HOLE MADE BYHAZAMA Co. COMMENCED 20. Nov. 63 DRAWN BY COMPLETED 25, Nov., 63. CHECKED BY_14_05

	` <u>.</u> -	OVERSEAS TECHNICA	iL CO	OPERATIO	V AGENCY, TOKY	), JAPA	N. RP - 23
	٠.	Ŷ	- KM - 25 (_ 3				
	_	TEST PI	T AN	NG ENGIN	ERS ) ER-HOLE L	ėe.	
LOCATION -	Sar	n bor Project. CAME					n k
CO-ORDINATES :	F 60	08 km 810 N L 391 km	8 18		ROUND	21	
DETAILS OF LOC	ALITY	FLOOD WAY OF SPILL W	/HT 	TYPE	OF EXCAVATION	1.0	m x l. 5 m
SOIL TYPE	글ద	SOIL DESCRIPTION	ĎEĪPTĤ	LOG OF	EXCAVATION	SAMPLE	
DESCRIPTION	GRC	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Ñα	- COMMENTS -
: '		2 2 2	-	<u> </u>	· -	1	
SILT.		humusdark / brown	<u>-</u>	1/1/			plant roots.
	-	with laterite nadule 8 petble.	] =	12/1	-1 - 1 11-		laterite nodule:dia.
CLAY	-	silty, medium	0.5				IZ cm
		canes ion.	_			7	-Bearing weathered - debris of shale and
	<del>-</del> -	yellow to grey	` -	111		<u> </u>	s and stone.
SHALE &	Ì	Bedding spacing locm. completely weathered.	10-				sandstone occurs in boulder state.
SANDSTONE		yellow to grey.	<u> </u>			<u> </u>	Bedding:
			_	Base of	pit, I.2 m		strike N.50°E
-			15 —	-			dip 80° NW.
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HOLE MADE BY HA							LOGGED BY H.S.
COMMENCED 2, De		• '			-		DRAWN BY H. S.
COMPLETED 3. De	c., 6	33	=				CHECKED BY 14 8.

		ELECTRIC	AL CO POWER	OPERATION R. DEVELO VG ENGINI	PMENT COMPAÑ	O, JAPA Y	N. RP - 24	
LOCATION		nbor Project, CAN	BODI	A. FEATU		light		Ì
-50		09- km 040 N-1,391 km FLOOD WAY OF SPILLW C.Y LINE.	846. AY	R L. GI	,	20	m	`.='
DETAILS OF LO	~ ,				OF EXCAVATION		m x l.5 m	
GEOLOGICAL DESCRIPTION	GROU	SOIL DESCRIPTION GROUP, NAME LARGEST AND SMALLEST SIZES	OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No	COMMENTS	-
<u> </u>	-		[]	7 2 2 2		, :_ ·		] -
SILT	<u> </u>	dull brown.		11:50			plant, roots	
			α5		* * _	-		_
			α3-					
		Scattering - Limy -					well graded round quartz	-
CLAY	-	i in a little	10-	122	- -		pebbles (dia 2-3 cm) on	-
		damp./			-		the base of layer.	
		greyish - brown	1.5 —					-
	-		] : =					-
SILTY		with_very_few_lateritiz =		///	- ''	- : "	latentized. particles	
CLAY:		ed particles.	20-				coated with limy materials	- 7
		with decomposed limy_ materials, weathered	1 7	11/17		: [4		-
CLAY-		shale and samastone	25		- 1		some plant_roots,	-
	-` -	debris. damp, yellow.		200	, <u>*</u>	<b>&gt;</b> .		Ţ
	- !		30	Base of	pit, 2.9 m			
	· - ,				- <b>, , , , , , , , , , , , , , , , , , ,</b>	.		
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	- - •	OVERSEAS TECHNICA ELECTRIC F	OWER	AL'EUNITO!	PMENT COMPAN	J, JAFA	N. RP 25
LOCATION	c	TEST PI	T AN	ID AUG	ER HOLE L		Bank
1	r 6	n <u>bor Project, CAME</u> 08 _{Km} 890 <u>N 1,391 Km</u>	970	-	OUND	20	
DETAILS OF LOC	ALITY	FLOOD WAY OF SPILLW	AY		OF EXCAVATION		
SOIL TYPE GEOLOGICAL	OUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION'	8 %	LARGEST AND SMALLEST SIZES	HOLE	-	PERMEA BILITY	Na -	
	I	'dark brown.		- , ; 1		· ·	
SILT -		organic smell.	-	, - <u></u>	- :		
		high cohesian.	α5		-		with plant roots,
		damp <u>,</u> dark brown.	] =				,
6147	-	Š					-
CLAY			=				
		somewhat sandy, with lateritic nodules	1 =	<i>*</i> .	-		pebbles; quartz and
-		(dia, O 5 cm), rounded	5	,	-	-	few shale.
		pebbles and large boulders.	- =		·		boulders; sandstone,
		00014613.	2.0				-
		-	=	Base of	pit, 2,0 m		
			25			Ì	
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			3.5 —				-
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			65—				
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HOLE MADE BY HÅ	7 AM A	Col	1	ı	I	'	LOGGED BY <i>H. S.</i>
COMMENCED 2,						İ	DRAWN BY H. S.
COMPLETED 3. I							CHECKED BY 14.8

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ā			OVERSEAS TECHNICA	ŽĘ, CO	OPERATIO	AGENCY, TOKY	D, JAPA	EXCAVATION NUMBER
, ,		^ - [*] -		ISULŢI	NG₹ENGIN	PMENT COMPAN EERS?)		NF 20
,	LOCATION	Sami	÷÷÷÷EST®PI	T≓AN	ND AUG	ER HOLE L		
			09 Km 434 N 1,391 Km	900	_ RL.G		23 -	Bank m 0
	DETAILS OF LOC	ALĮTY				OF EXCAVATION		m x 1.5 m
	SOIL, TYPE 3	GROUP	SOIL DESCRIPTION -	DEPTH	L'OG OF	EXCAVATION	SÄMPLE	
ı	DESCRIPTION	88	L'ARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	No	COMMENTS
٠	<u> </u>					-		
	- <u>L</u> -							,
ı	-			_ =		- 4 (	-	-
İ			- `-	05 <u>—</u>	120			plont roots.
ı		-		-		-		
	· ~	-		10 —	11/1/			
		,		=	1.67	-	-	
l				1.5 —	1111	-	].  -	; <del>*</del>
١			ho mogenous layer.	=	11/1			
ı	- <u>-</u>		with no coarse		1.79			
ł	SILTY	ī	grains.	20	11/1	'		
l	CLAY	, ,	-	=		- 、 、		few and fine
l	*		brown.	25				plant roots.
١		-		-	293		-	
	- 1			_				
l	-		·	3.0	200			
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l			-	35 —	111		ना	
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			-	40	11/1		952	•
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L				5.0				
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1	OLE MADE BY HAZA						ι	.0GGED BY <u>J. J.</u>
ı	OMMENCED 4.D		[ ·					PRAWN BY H. S.
c	OMPLETED 8. De	s., 63	3_					HECKED BY 14-8

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	. *	OVERSEAS TECHNIC	AL C	OOPERATIO	λ√÷ÅG	ENCY, TO	YO, JAF	AN EXCAVATION	NUMBER
		ELECTRIC	POWE	R DEVEL	OPMEN	ìT≍CÓWB\	ŊŊŶ	-	. ( ) - <u></u> -
		TEST P	ΤΔ	ND ALI	SFR	HOLE	LOG		,
OCATION -		CHOPELL, CAN		A. FEATL	RE	R		Bank	-
		08 Km 5 25 NI,391 Km	<u>99</u> 2	RL.	ROUN	·		5 m	
ETAILS OF LO				TYPE	OF EX	CAVATION	<u> </u>	Om x 1.5 m	
OIL TYPE EOLOGICAL	돌절	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPT	H LOG O	EXC	AVATION	SAMPI		
ESCRIPTION	SR SN	LARGEST AND SMALLEST SIZES	HOLE		PER	MEA BILIT	_	COMMENTS	-
		_	<del>'</del>	-				<u> </u>	
SANDY SILT		very fine sand grains.	Τ.	11/37				T	
		-	1 :	199	1	, -			
	:-;	yellow spots in light	0.5_	1757	1			plant roots.	-
SILT		greyish purpte matrix,	45_		1			-	
	ļi	Bearing laterite	-		,		.		-
	İ	nodules (diaO3-07cm)		1/1/11	1		-	-	- [
		in plenty,	-	17			ļ	1	
		without coarse grains			-		·   -		
		except unconsolidified	1,5 -		-	_	.   _		- 1
CLAY	!- 	laterite nodules (dia	-						j
·		0.3 cm ± ), black	-	100					-
_	-	high cohesion	20_						-
		pale yellow .	-						į
		Sedentary soily state	i -		-	-			
ANDSTONE	Ì	due to weathering of	2.5_						
TINDSTONE		fine - medium groined					·	1	1
<del></del>		sandstone. yellow,	_						1
NOSTONE	1	completely weathered.	3.0:-						
OULDER ?		ye I low.		$\mathbb{D}$ ::()				massive.	*
	İ			Base of	Pit.	3.3 m			
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MADE BY HAZ		⁻ 1						LOGGED BY <u>H.    </u>	<u>d</u>
IENCED 4_Dc		1						DRAWN BY H.	<i>,</i> 1

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٠.	LOCATION	Sai	mbor Project. CAME	30D I	A. FEATUR	EK NOLE LI ₹ERight		nk -
	CO-ORDINATES:	÷ξ:60	09 Km 245 N1; 892 Km C	)52 [*]	R.L. GF		21	m
-	DETAILS OF LOO	ĀLITŶ	FLOOD WAY OF SPILLW		TYPE	OF EXCAVATION	1.0	m x 1.5 m
,	SOIL TYPE GEOLOGICAL DESCRIPTION	GRO JP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	PERMEA BILITY	SAMPLE No.	COMMENTS
		·	X Y	-				
			reddish brown spots	_	1/1/			with rice plant roots.
1	CLAYEY		in-white matrix.	=	14/1	-		
	SILT.	-		α5	1/2/2	-	:	· · · · · · · · · · · · · · · · · · ·
l		<del></del>	Mottled white and reddish	, <u> </u>		-		medium cohesion.
		-	¿brown, lean - damp	-	11/2	-		
1	CLAY	-	Bearing, shale fragments	10 —	15/6	-		•
			ın lower part,		Z-21			
1	SHALE		completely, weathered.			-		poorly lateritized and
	<u>-</u>		yel low,	1.5	<u>\</u>			bearing small quartz pebbles in "a," littie,
۱				_	Base of	pit, 1.6 m		Bedding of Shale;
	·			20	-			strike NI5°E, dip 40°SE.
l								- 40- 5E.
ı	_ ``	,				-		· ·
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			Je	5.5	ĺ	ĺ		
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-	OLE MADE 5: 4 4.7			1	1	·	-	90 0
ı	OLE MADE BY HAZ OMMENCED 4. DE							ogged by <u>J. J.</u> Rawn by <u>Jl. J.</u>
ı	OMPLETED 5. Do						اً	HECKED BY 14. B.
Ľ	OMPLETED 3- DO	<u> 0</u>	·				lo	HECKED BY 19:10

	- / -		4			7 - I	SHEET NO. 20	Υ)."
	-,	OVERSEAS TECHNIC	At. ČĆ	OPERATIO	N. ACENICY TOW	/OT 14D	EXCAVATION NUMBER	
		ELECTRIC	POWE	R DEVELO	PMENT COMPAI	NA NA ńwy	RP - 29	. 5, 12.
· · · ·		- (-CO	NSULTI	NG. ENGIN	EERS.). BER HOLE I			
OCATION	San	TOUT Project, CAME	BUDIA .	FEATU	RE Rig	LOG_ ht B	<del>_ </del> <del></del>	Æ
	_	9 Km 445 N 1,392 Km	052	_ R.L. G	ROUND			-
ETAILS OF LO				TYPE	OF EXCAVATION	1.0	m_x   5 m	
EOLOGICAL -	ME.	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS -	7
ESCRIPTION	<u>  5 6</u>	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	PERMEA BILITY	No	COMMENTS -	
<u> </u>	7	<u> </u>	1 1 2	1777		<del></del>		]
SANDY	-	very fine grained.	=				-	7
SILT	1	dull brown.	-	14:17	-	-	plant roots.	_ "   -
	1	,	0.5	$\mathbb{Z}/\mathbb{Z}$	-	=	-	
		damp uncompletely	7 -	11.1			Scattering few round	- -
SILTY		laterifized, with	10 -	19/11	•	-	quartz peobles and.	_
CLAY		yellow lateritic grains and nodules (dia 0.7 to	_				weathered - boulder	-
-		0,5 cm),		10,2	- -		or debris of	
<del></del>		brownish yellow. highly weathered.	15-	12.1	:		511 ts tone.	
ILTSTONE		duit yellow.	=		-	1 1	massive state. Badding; strike E - W.	-
			20-	Base of	hole, 1.9 m		dip 75°N.	-
		<u>.</u>			-		;	
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		OVERSE AS TECHNICA	7F≠CO	OPERATIO	N-AGENCY, TOKYO	), JAPA	N. EXCAVATION NUMBER
	- [	ELECTRIC	OWE	R DEVELO	PMENT COMPAN	Ý	R P - 30
		TEST PI	TAN	NG FNGINI	EERS ) SER HOLE L	). ).	
LOCATION:		ibor Project, - CAME	BODIA	A. FEATU	RE Right	Bai	nk
CO-ORDINATES :		08 km 8 54 N 1,392 km l		R L. GI	ROUND	24	
DETAILS OF LOC				_ TYPE	OF EXCAVATION	<u>l. 0</u>	<u>m x l. 5 m</u>
SOIL TYPE GEOLOGICAL	음력	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION	8 8 8	LARGEST AND SMALLEST SIZES	HOLE	-	PERMEA BILITY	Na	COMMENTS
					-	-	
SAND	<b>-</b>	fine grained, yellow Containing much lateritic		7777			with plant roots
SILT		nodules and few round pebbles of quartz.			, -	, ,	tateritic nodules,
	_	yellowish brown	0.5				dia. 0.7 cm. pebbles-, dia. 0.5 - 3 cm.
SILTY -		with weathered debris	-	11:1	-		SHALE : completely
CLAY	`	of shale and samdstone. moderlate cohesive.	=	/://			weathered, hardly
	-	yel lowish brown	10 —	//	_	· -	jointed 8 brittied."- pale yellow.
SHALE	_			Base of	pit, 1,2 m	= =	Bedding;
	-	. <u> </u>	1.5			_	strike_ N = S.
%	, , -	in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	] =	-			dip 50°E
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HOLE MADE BY HAZ		<b>I</b>					OGGED BY H.S.
COMMENCED 8. No		- 1					DRAWN BY <u>II. S.</u>
COMPLETED 19. N	ov., 63	<u>.                                    </u>				c	HECKED BY_14-18

SHEET NO 204 OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER R P - 31 ELECTRIC POWER DEVELOPMENT COMPANY
( CONSULTING ENGINEERS )
TEST PIT AND AUGER HOLE LOG, CAMBODIA. FEATURE RIGHT B Sambor Project, FEATURE Right Bank CO-ORDINATES : E 609 Km 152 N 1,392 Km 630 R.L. GROUND 23 m 67 FLOOD WAY OF SPILLWAY DETAILS OF LOCALITY TYPE OF EXCAVATION-1. 0m x 1.5 m SOIL TYPE SOIL - DESCRIPTION DEPTH LOG: OF EXCAVATION SAMPLE GEOLOGICAL GROUP NAME COMMENTS OF DESCRIPTION. PERMEA BILITY Nα LARGEST AND SMALLEST SIZES HOLE fine grained. SANDY plant roots. light. brown. SILT 9 Scattering limy nodules SILTY (dia 15-2cm). CLAY Bearing. completely sands tone debris in a little, with Limy spots and 10 nodules (dia 15-3cm). CLAY -SANDSTONE Completely decomposed with decomposed Limy & SHALE due to weathering, yellow, materials -Base of pit, stone boulder Bedding; strike N 20° 2.2 m N 20°E, dip 90°. 30 45 5.0 55 60 65 HOLE MADE BY HAZAMA, Co. LOGGED BY DRAWN BY H. S. COMMENCED 5. Dec., 63 CHECKED BY_L4_ COMPLETED 8. Dec., 63

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LOCATION	Sam	TEST PI	T. AN	ID AUGINE	er. Hole Lo		Ban k
CO-OPDINATES	_ 60	8-Km 925 N 1 390 Km	737_	- RLGR			<u>m</u>
DETAILS OF LOCA	LITY-	TRAINING WALL OF SPIL	LWAT	TYPE C	F EXCAVATION	<u>: I.O</u>	m x 1.5 m
SOILSTYPE GEOLOGICAL DESCRIPTION	ROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE		EXCAVATION ' PERMEA BILITY	SAMPLE No.	COMMENTS
	<u> </u>	CANOLS I AITS SISPELLOT SIZES	-	-			
SILTY CLAY				1///	-		plant roots.
-		na coarse grain.		1353	i en en en		shrinkage crack to 06
	_	dark brown small spots	0.5		-	3	z*
-	`	in deep brown matrix.	_	1///			demp
CLAY	-	moderate cohesion.			-	¥	few plant roots.
OLA I			10-	5352	=	11	-
-	-	_	-	17/		- E	-
	-		15	166			
	-,	· · · · · · · · · · · · · · · · · · ·	-	1///	-		woter level, 17m
			-  ₋	1111			4, Dec., 63
	-		2.0	Base of	pit, 1.6 m.		
			] =		-	1	
			:		- ,	-	-
	-	-	2.5_	1	,	-	
		<u>-</u>	1 :	_		-	
			30-	<u> </u>			_
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EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN, RP - 33 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ) TEST PIT AND AUGER HOLE LOG Project, CAMBODIA FEATURE Right Bank Sambor CO-ORDINATES : E 609 km 394 N L 392 Km 684. R.L. GROUND _____ 22 - m 5 TYPE OF EXCAVATION 1.0 m x 1.5 m DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY SOIL TYPE DEPTH LOG OF EXCAVATION SOIL DESCRIPTION SAMPLE GEOLOGICAL GROUP NAME COMMENTS OF PERMEA BILITY Nα DESCRIPTION ARGEST AND SMALLEST SIZES HOLE with few animal holes plant roots. {dia. 0.5-1cm}, SANDY with fine "plant" roots. dull_greyish brown. SILT lateritic nodules (dia, 03flat quartz pebbles. O 7cm) in plenty. poor lateritized zone. small lateritized grain (dia O lcm) CLAY yellowish reddish brown. in plenty Bedding spacing; jointed. Joints ane ..: stained to black due to 2 - 4 cm. SHALE highly weathered. N IODE, strike duli yellow. 60° SE. pit, 18m. Base of 20-2.5 3.0 6.5 LOGGED BY _ ... HOLE MADE BY HAZAMA. Co. DRAWN BY __H. S. COMMENCED 6, Dec., 63 COMPLETED 9, Dec., '63 CHECKED BY.

30								SHEET: NO. 20	<u>:</u> 7(
<u></u>		 	OVERSEAS TECHNICA		OPERATION	V AGENCY TOKY		AN. RP - 34.	₹`
•			- [st] -&{&CON	VSULT:	ING ENGINI	PMENT COMPAN	-		-
	LOCATION	· .	. ↓ FST+PI	T AI	ND AUG	ER"HOLE	OG.		
	CO-ORDINATES	: E_ (	Sambor Project, CAN 609 km 594 N 1,392 km	<u> 202</u> 1		RE Rig		gank m	
,			FLOOD WAY OF SPIL			OF EXCAVATION			
	SOIL TYPE	윤정	SOIL DESCRIPTION	DEPTH	1 06 05	EXCAVATION	I	Om x 1.5 m	
÷,	GEOLOGICAL DESCRIPTION	SRO	SOIL DESCRIPTION GROUP NAME: LARGEST AND SMALLEST SIZES	OF	]	PERMEA BILITY	SAMPLE No.	COMMENTS	
		1001	LANGEST AND SMALLEST SIZES	HOLE	<u> </u>	T CHARLES BILLY	NO	1	
<i>-</i> -	SANDY	-	very fine grained.	<u> </u>	A · ·	-	T - :	<u> </u>	
-	SILT-	,	pale yellow,	- <u>-</u>	}			with plant roots	-
		-	poor lateritic nodule zone,	-		-			-
		-	diameter of nodules, 0.5 cm.	0.5			-		
	-		yetlawish, brown,				· ·	-	İ
-	SILTY		-	10 -	<u> </u>		•	-	-
ı	CLAY		Bearing well rounded quartz				-	diameter of quartz	
	<u> </u>		pebbles in some -little.			-	[	pebbles, 15cm or so.	:
-				15 —					
- [	*		Bearing completely		-	-	-	timy nodules in few	
	CLAY.	-	weathered debris	_	, ,			noddres in iew	
	-		-	20	'		-	-	
ŀ	- <u> </u>		Ael low	^_		•			
	SHALE		completely weathered greyish, yellow.	25_		`		Bedding space;	1
-	-				Base of	pit, 2.55 m		0 5 - 2 cm.	1
	,	_[		7	5350 01	pri, 2.55 m	· .	strike. NIODE, _	
1	ļ		; ;	30		- ' ]		4tp 80°5€,	ı
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	LE MADE BY HAZA						إدر	DGGED BY <i>H.S.</i>	l
co	MMENCED <u>6. Dec</u>	<u>. 63</u>	3					RAWN BY H.S.	
co	MPLETED 9, Dec	<u>'63</u>	<u>s.</u>					ECKED BY 7.14	
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	3 = -			- <u> </u>			SHEET: NO. 208
	:	( CON TEST PI	POWER ISULTIN	R DEVELOR NG ENGINE ID AUG	PMENT COMPANI ERS ) ER HOLE LO	y OG	N. RP - 35
LOCATION -		mbor Project, CAMB				Ban	
		09 Km 456 N1,391 Km					m 5
SOIL TYPE		FLOOD WAY OF SPIL	<del></del> -		F EXCAVATION	<del></del>	m x/1.5 m
GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	LOG OF	PERMEA BILITY	SAMPLE No.	COMMENTS
		fine grained, & no coarse grains cohesiveless organic smell, dark grey	05_	•			fine plant roots,
		fine grained 2 no			- -		
		coarse grains damp	10 —				
÷.		deep brown,	15 —	٠			
SAND							
			20—				
			2.5	-			
			=		·		
•			30				
			3.5 —	·			
			=				
			40				
			45	<u> </u> 			
	ļ. 		=				
			5.0	Base	of pit, 5 lm.		
			55	5036	J. pity 3 118.		
			=	1			
			60-				
			65	-			
HOLE MADE BY HA		1					LOGGED BY H.S.
COMMENCED 6.	Dec.,						CHECKED BY J. /4

**SHEET NO. 209 EXCAVATION NUMBER** OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. RP - 36 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ) TEST PIT AND AUGER HOLE LOG Sambor Project, CAMBODIA, FEATURE Right Bank LOCATION CO-ORDINATES: E 608 Km 385 N 1,391 Km 520 R.L. GROUND 23 m 5 DETAILS OF LOCALITY WEST AREA OF SPILLWAY TYPE OF EXCAVATION I.O m x 1.5 m SOIL TYPE GEOLOGICAL SOIL DESCRIPTION DEPTH GROUP NAME OF LARGEST AND SMALLEST SIZES HOLE DEPTH LOG OF EXCAVATION SAMPLE COMMENTS DESCRIPTION PERMEA BILITY No greyish brown yellow plant roots, SILTY Q5 CLAY lateritic nodules (dia 02 -0 6 cm ). yellowish brown. with black lateritized materials and white CLAY limy nodules · with completely weathered SILTY debris of shale and CLAY sandstone. N 30°E, SANDSTONE Highly weathered, yellow, 90°. dip shale; jointed and disin bedding. integrated. SHALE sandstone; boulder state Base of 30-35 45 5.0 60

HOLE MADE BY HAZAMA CO COMMENCED 10, Dec.63 COMPLETED 13, Dec, 63

logged by  ${\cal H}_{_}$ DRAWN BY H. S.

CHECKED BY J/4

	:		OWE Î	R DEVELO	L AGENCY, TOKYO PMENT COMPAN	), JAPA Y	N. RP -37
- :		TEST PI	TAN	VG ENGINE	ERS) ER HOLE LI	OG	
		bor Project, CAMBOD	λA.	FEATU			k
	-	<u> 08 кm 186 и 1,391 кm</u>			ROUND		
		WEST AREA OF SPIL		TYPE	OF EXCAVATION	1.0	) m x 1.5 m
OIL TYPE EOLOGICAL	의 교	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG OF	EXCAVATION	SAMPLE	COMMENTS -
ESCRIPTION	GR SYN	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Na	COMMENTS -
-			-	-			
SILT		greyish brown	-				plant roots.
		poorly lateritized	-			_	· · · · · · · · · · · · · · · · · · ·
		lateritic nodules (dia 03	05_		-		
-		-05cm),			-		
		Bearing weathered	_		-	1	
		-sandstone debris	10 -	-		72	sh rinkage cracks
SILTY		and round quartz	=			X	to Im in depth
CLAY		pebbles (dia. 3cm or 50)	=			# E	
-	:		15 —	- 1	- -	12	
		Spotting white fimy nodule in yellow matrix.	-		:		=
		domp	_		- ,	F	
			20—			12	1 mm mg m m = 1 m m m m m m m m m m m m m m m m
SHALE		highly weathered, yellow, with grey seam.	=			]	
			25	Base of	pit, 23m.		
		-			_		
			_				
		<u>-</u>	3.0		<u>-</u>		
			-				-
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LE MADE BY_HA		_					LOGGED BY <u>H.J.</u>

31-910-5

Short Fall from Ander Secure.	e – e granges (e o	OVERSEAS TECHNICA	Č. CO	OPERATIO	N_AGENCY, TOKYO	), JAPA	N. RP - 38
	-, -	CÔN	SULTI	NG ENGIN	PMENT COMPAN	:	··
LOCATION	Sami	TEST Pl	<b>ΛΑ΄</b> Τ.	ID AUG	ER HOLE LO		3ank
1		08 кm 290 м 1.39 1 km 2		R.L. GI		20	M
		WEST AREA OF SPIL		, -	OF EXCAVATION		
SOIL TYPE GEOLOGICAL	5,5	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION -	SAMPLE	500050
DESCRIPTION	SA S	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE	- "	PERMEA BILITY	Na	COMMENTS
·							-
SILT	-	greyish "yellow. = " "			, -		plant - roots,
		yellow:		1119		-	
,		poorly lateritized. lateritic nodules (dia 05-	05	11/1	-		
CLAY		lcm) with weathered shale and		(\$\forall \)	-		
SANDSTONE		sands tone debris. yetlow due to high degree of	10-	( ( ( )		-	Bedding i
8 SHALE		weathering shale campletely decomposed yellow	ļ <u>.</u>	Base of	p:1, 12 m.	<del> </del>	Strike. NIO ^O E, dip 90 ^O .
	ž		. 5 —	] -		_	Sandstone shows
: -					_	] -	boulder state.
 			-			_	
	,		2.0		-	-	
			-	-	_		
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UOI E MADE DIA	7 4 4 4 4		Ι,	I	Ī	1	LOGGED BY <u>H.S.</u>
HOLE MADE BY HA	*	1					DRAWN BY H S
COMPLETED 13.1							CHECKED BY 1 14
FOOMPLETED 13.1	~ c c., O.	<u>  </u>					UNLUNED DI

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	OVERSE 45 TECHNICA	AL COOPERATI	ON AGENCY, TOKY	O, JAPAN	EXCAVATION NUMBER
	ELECTRIC I	POWER DEVE	OPMENT COMPAN	ĮŢ	VL 72
; - <u>-</u>	TEST PI	NSULTING ÈNGI TAND AU	GER HOLE L	റദ	
LOCATION So	imbor <u>Project, CAMBOL</u>	DIA FEAT	UREF	<u>Right</u>	Bank -
CO-ORDINATES : E_	609 km 00 N1.391 km	17 R.L,	GROUND	_20_n	<u> </u>
	TY TEMINAL POINT OF S		OF EXCAVATION	<u>l. (</u>	Om x 1.5 m
SOIL TYPE	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH LOG	OF EXCAVATION	SAMPLE	
DESCRIPTION &	LARGEST AND SMALLEST SIZES	HOLE	PERMEA BILITY	No.	COMMENTS
: -					
	organic smell,	1///	<u> </u>		
1.	dark grey,		7	1 1	
	very fine grained & With na coarse grains,	05			plant roots,
			8	-	in a little,
-	light greyish brown	1 3///	1	-	
	very slightly silty,	10-7///	4.	1 1.	
	low cohesion			1	
	no coarse grains.	L 1976	1 .		•
-	damp, brown.	15-1//	8	1	
					-
SILTY	·	20-1///	<u> </u>		
SAND			7		
			1	-	
		25	<b>a</b>		
			7		
.:		1 1///	4	ej l	
,		30-1///	7	13	-
1	_	7///	1	28	•
		L. 7///	<b>a</b>		
1	_	35	A	1	
			7		
		40-1/-//	<b>A</b>		
			4		
		<i>7///</i>			
	*	45			
	1	<i>1///</i> /	7	]	
		<i> </i>		!	
		50-///	7		
}		7///			
		Base	of pit, 53m.		
		55—		.	
	1				•
}		60—			
			1		-
		-			
		6.5			
	]				
}L		1 1	Į	·	70 P
HOLE MADE BY HAZAM	1				ogged by <u>Jl. J.                                  </u>
COMMENCED 9 Dec.	63				RAWN BY H. S.
COMPLETED 13 Dec.	, 63			CI	HECKED BY I 14

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-		ELECTRIC F	ISULTI	NG ENGIN	EERS )	-	RP	- 40
OCĂTION .	Sa	TEST PI	T AN BODI	ND AUG A. FEATU	ER HOLE	LOG Right	Book -	11 7 41
O-ORDINATES :	<u>E_6</u>	08 km 65 N 1, 389 km			ROUND		m O	
	'	NAVIGATION CHANN	VEL_	_ TYPE	OF EXCAVATIO	N <u>I. (</u>	0 m x 1.5 m	
OIL TYPE EOLOGICAL	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME	DEPTH	LOG OF	EXCAVATION	SAMPLI	COMMEN	ITE
ESCRIPTION	£ €.	LARGEST AND SMALLEST SIZES		,	PERMEA BILI	TY Na		
		fine grained, organic smell.	τ	7777	<del></del>			<u> </u>
	_	damp. dark- greyish, brown.	-		-			
			1 -			~   -	-	-
SILTY	-	fine grained, no coarse	0.5			-   -	-	-
SAND		grains, domp,	-				few plant	roots.
-	-	dark brown	10 _		1		1	·
	_	GALK DIONIC	=		]			
			=		-		.	
-			1, <u>5</u>				- ,	-
		coarser than upper	* <b>-</b>			-		-
-	-	layer, of ine "grained.	20-			14		•
" _ # · #			] =			翼		-
	-	no coarse grain	-			= =		
· , · ·		conesionless, damp	25				-	-
		:	=	7.7			İ	
SAND	-	light brown.	3.0~~		-			
-		-	_		_		ĺ	
		-	-	· . ~			•	
•			3.5 —			'		
-	·	·_	=			- 1		
			40					
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	ĸ		45	. '				
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			50	Base of	pit, 5,0 m		<u> </u>	
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			6.5	i				
<u> </u>			i					
LE MADE BY HAZ	AMA	<u>c</u> o.					LOGGED BY_	H.S.
MENCED 9, [	)ec., '(	53					DRAWN BY_	
MPLETED 12,	Dec., '	63 .					CHECKED BY	
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		OVERSEAS TECHNICA	آت آآآ	DECKALION	T AGENOY TOKYC	, JAPA	N. RP - 41	MBER 🗟
					PMENT COMPAN' ERS )	<b>Y</b> -		
OCATION		TEST PI	ŢĄŇ	ID AUG	ER HOLE L			
		<u>mbor Project, CAN</u> 08 km 38 N 1,388 km 4		-		<u>11 E</u> 20		
_	-	NAVIGATION CHANN		-	F EXCAVATION :			
OIL TYPE -				<del>-</del>	EXCAVATION	SAMPLE	- "	
EOLOGICAL ESCRIPTION,	STAG	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	Na	COMMENTS	-
	1							
-		fine grained no course		1/1/				-
SILTY		grains, organie smell			- 1			
SAND		brown.	0.5				plant roots,	
-			] ]	1/1	- -		in a little	
,		no coarse grains,	<u> </u>	1111	- -	-	<u> </u>	
		_ brown.	10-				-	-
		· . <u>-</u>	_	9//			<u>-</u>	-
SILT	-	damp -	1.5		<u>-</u>	-	_	-
		_	=			]		-
			2.0-	149		/5	-	-
		-	-	9/9	-	/ j		
			] =	11/1				-
	-	no coarse grains.	25_		- :			
		damp, deep brown -	=		·			
CLAY,			3.0					
	ļ			1261				-
	ļ		] =					
		-	35 —	11/1/				
			1 -			İ		
	]	fine to medium	40_					
		grained.	_					
		no coarse grains.	=					
SAND	ļ	damp	45	٠.				
	1		=	٠.				
		light brown	50—			<u> </u>		
			-	Base of	pit, 5.0 m.			
			] =	1				
	,		55	1				
			=	1		1		
			60_	1				
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	***		6.5	1	1		`.	
	<u>L.</u>	<u></u>	İ		1			
		l .					1 <i>7/</i> 2	0
LE MADE BY <u>H</u> A	ZAMA	<u>. C</u> o					LOGGED BY <u>H.</u>	<i>L</i>

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	. · · · · · · · · · · · · · · · · · · ·		= <u>₹</u> ₹, ३(- co/	ISULTIN	NG ENGINE	ERS.)		
	LOCATION	Sa∙m!	LSJ - PI CAMBO <del>- i projeciti - CAMB</del> O	I₹AN DIA.	ID AUG FEATÙF	ER HOLE L		Bank
			07 km 80 - N1,388 km 2		R L. GR	·		m 5
			NAVIGATION CHANN				1. O r	n x 1.5m
	SOIL TYPE GEOLOGICAL	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
-	DESCRIPTION	8 S	LARGEST AND SMALLEST SIZES	HOLE	:	PERMEA BILITY	Nα	· ·
	: .		<u> </u>		ः सर्वे स्ट्रा		Ţ.·-	1
			E loose, grey		3-2		-	few plant roots
		- r _s -	light greyish brown.	α5	1.77		:	
I	-		weak laterifization		111	* -		
		_	black unsalidified - laterite nodules	╽╡		-		
	₋	-	(dia, 0.5cm) in a litte	10		·	:	damp.
1			dark brown.		77.75		:	
				1.5	1.1.		-	-
				-	16.2			-
			na caarse grains:	20_	132		- ^	,
l	CLAY		cohesive brown		676		-	
l					11:11	-		- :
l		-		25_	11/1	•		
l				=	(1)			
l	-	<u> </u>		3.0				water level, 30 m.
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l	-		<del>-</del>		11/1/	-		
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ľ						pit. 4.2m,		,
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	OLE MADE BY_HAZ							LOGGED BY <u>H. S.</u>
l	CMMENCED 11.							DRAWN BY H S.
C	COMPLETED 15.	12.,6	3				le	CHECKED BY_7.14

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		OVERSEAS TECHNIC	AL. C	OOPERATIO	N AGENCY TOK	YO JAP	EXCAVATION NUMBER
		ELECTRIC	POWE	R DEVELO	PMENT COMPA		RP - 43
		( COI	NSULT	ING ENGIN	EFRS 1		
LOCATION	900	Project CAME	TA	ND AUG	ER HOLE		
		nbor Project, CAME	2001	4. FEATU	RE RI	<u>9ht -</u>	Bank
CO-ORDINATES	: €_0	07 кm 55 N-1,387 кm	95			20	
		NAVIGATION CHANN			OF EXCAVATION	1.C	) m x 1.5m
SOIL TYPE GEOLOGICAL	등절	SOIL DESCRIPTION	DEPT	H LOG OF	EXCAVATION	SAMPLE	
DESCRIPTION	SR	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE	-	PERMEA BILIT	Y No.	COMMENTS
	<u>'</u>		<u> </u>		<del></del> -	<del></del>	
	T	pale grey	l	1///		1 :	plant roots
SILTY		no course orgin		1///	-		
CLAY		small holes of some animals light brown	] :	1///	-	: -	
-		-	0.5_		1		
		deep brown small spots	· -	1///	ļ.		
		in light brown matrix	] ]	10/1	ļ	-	
_			10 -	11/1/	•		
1			-	17/2			
	j		-	1060	·]	- '	-
•			15			1	:
		· -	[ -	1///	•	ĺ	
		D			<u> </u>		·
		Bearing small, black.and lateritized grains,	20-	1/1/	İ	16	:
		in a litte.	-	1/2/2		T.	
CLAY	ļ	•	-	11/11		Į	
		damp	25_			ĺ	Í
-	l i	deep brown	-	13:33	ļ		_
-			-	1/1/			
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			50	1///		_	
`			-	Base of	pit, 50m,		
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<u>.</u>		<del></del> ]		· .		1	
OLE MADE BY HA	ZAMA.	_Co				ļ	LOGGED BY <u>H. S.</u>
OMMENCED 9. C	<u>) ec ., '</u> 6	5 <u>3</u>				ļ	DRAWN BY H.S.
COMPLETED 15,0	Dec ,'6	3				1	CHECKED BY. 4. 14

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4	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	- Table part	.OVERSEAS	TECHNIC	AL CO	OPERATIO	V AGENCY, TOKY	Ο. JAΡ/	SHEE AN. EXCAVATION RP	N NUMBER	
-	LOCATION	Sam	ΤÌ	(' CON ST. PI	VSULT≀ √T∵∆N	NG ENGÎNI	EÈRS ) BER HOLE L	.OG		:	_'
-		E_ <u>6</u> (	bo'r Project, 26km 95 - Ni	388 Km	26	FEATU	- <del></del>	iht E	m 5		-
_	DETAILS OF LOC		NAVIGATION				OF EXCAVATION	1.0	m x l.5m		
	GEOLOGICAL DESCRIPTION	GROUP SYMBOL	'SOIL DESCRIP GROUP NAM LARGEST AND SMALL	Æ -	1 OF		EXCAVATION PERMEA BILITY	_SAMPLE No	COMMENTS	3	
~	SILTY					, - ;	2 - 4	11			_
	CLAY	<i>-</i>	no coarse gran - pale gre	-	] :==		 		plant roots,		_
			brown lateritize	*	05_			-	-	- -	_
i			(dia 05 cm to la pale yellow matr	m} in ix.		1111	-		-	-	-
	CL'AĂ-	,			10 -		·	17 17		- 	
	-	-	dark brown	. <u>.</u> =				2	damp,	-	
			<u> </u>		1.5	200			water level,	1.5 m.	
	-		· · · · · · · · · · · · · · · · · · ·			Base of	pit; 1.55 m.	= -	II, De	ec,'63	
	-		-		20-	İ	-				į
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		-			2.5		-		1 =	-	
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	MMENCED 9, De								GGED BY <u>H.</u>		٠.
~	OMPLETED 15. De								RAWN BY H.S		
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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER RP-50 ELECTRIC POWER DEVELOPMENT COMPANY TEST PIT AND AUGER HOLE LOG-Sambor Project, CAMBODIA FEATURE Right CO-ORDINATES: E 607 Km 05 N /, 392 Km 88 R.L. GROUND-DETAILS OF LOCALITY DOWN STREAM AREA OF (A) LINE. TYPE OF EXCAVATION SOIL TYPE GEOLOGICAL SOIL DESCRIPTION GROUP NAME ARGEST AND SMALLEST SIZES DEPTH LOG OF EXCAVATION SAMPLE OF COMMENTS: DESCRIPTION PERMEA BILITY Nα HOLE fine grained, pale yellow. SAND fine grained. .. with plant noots. 0.5 yellowish brown. yellowish brown, SILTY SAND with laterite nodules. SILT. pale grey. damp. lèan. SILTY CLAY Base of pit, 5.3m 60 HOLE MADE BYHAZAMA Co. LOGGED BY COMMENCED 28, 11, 63 DRAWN BY ..... COMPLETED 6, 12, 63 CHECKED BY

57 57			OVERSE AS TECHNIC	AL C	OPERATIO	V AGENCY TOKY	ΤΙΔΡΔ	EXCAVATION NUMBER
1			LECTRIC E	POWE	R DEVELO	PMENT COMPAN	Yang E	RP - *51
			TFCT-DI	Ϳͳ≟ʹΛͺ	$ND_{max}ADC$	EERS:)	7	
,	LOCATION	ambo	Project, CAMBO	DA	FEATU	ER HOLE L		المنابعة ا
-	CO-ORDINATES :	Ē ®6	02 Km 65 N 1,395 Km	78 -			35	Bank.
ī	The second second		DOWN STREAM AREA OF (6)	a *		OF EXCAVATION		0m × 1.5m
Ē	SOILETYPE			DEPTI		EXCAVATION.		<u> </u>
	GEOLOGICAL DESCRIPTION	ROUP	GROUP NAME		1 200 0	PERMEA BILITY	m	COMMENTS
-	<u> </u>	ιο ω,	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	PERMEA BILLLY	No.	
Ì	and the second second	T	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	- -	<u> </u>	<u> </u>		
Ī	SAND		fine grained. grey.					. Dale and a second
			fine grained. brown.	1 :		_		with plant noots.
ŀ			with much	Q5_	777		}	
1	SILT	١,	laterite nodules,	-		*		
ł	-		dia. to 1.5cm.	-		-		
t		-		10 -	1111	-		
1			spotting limy patches	-				
	- ' 		and nodules of angular	ι 5 —	////	-	1	,» _•
		,	skape.	-			18	1 4
İ	CLAY.	]	Dappled Yellow in grey matrix.	-		•	Ž	
ı	-	- 1	d'est maract.	20_	///	-		<u> </u>
ł	•	-	Bearing fragments of	_	1///	'		-
ľ	<u>.</u> .	.	completely weathered	-		-		
	-		Shale. yellow patches	25_	////	-		· · · · · · · · · · · · · · · · · · ·
l	· ·	3	in grey matrix.	- =	1///			
ľ		-		1 :			19	Somewhat damp.
l	-	·		3.0—		'		
۱	· -		14. 4.	· =	<b>├</b>			
l		-	Highly weathered.	=				-
1	SHALE	Ī	yellowish brown.	3.5 —		-		
l	·* }			· =	<u> </u>	_		,
ı	- 1			40_	<u> </u>			•
l		ļ. j	•	' -			`	· <u>-</u>
ŀ	`			=	<b></b>	,	٠ ا	41
Γ				4.5_	Bose of	pit, 1.1m.	<u> </u>	4 WATER LEVEL, 4.3 m. 4, Dec., 63
ĺ	-		-	-	) Juse 01	pic, 4,4m.	-	4, Dec., 63
l			-	-	:	ļ		.
				50—		İ		
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Ī	,			65—		1	-	_
	- •						, 'T	
L	<u>.</u>	1		l	1	1	1	
H	OLE MADE BY HA	ZAMA (	<u>c</u> o.		•	•	, L	OGGED BY H. S.
t	DMMENCED 27.1		`					RAWN BY H. S.
	OMPLETED 3./2				• .	•		
·	OMERCIED SELV	-, 00	<del>-</del>				lo	HECKED BY J 14

		ÖVERSEAS TECHNICA	L CO	OPERATION	L AGENCY, TOKY	D, JAPA	EXCAVATION NUMBER 52
-		- ELECTRIC F	POWE	R DEVELO	PMENT COMPAN	Υ -	- KM-52
	-	TFST PI	T AN	NG ENGINE	ERS ) ER HOLE L	റദ	· · · · · · · · · · · · · · · · · · ·
OCATION S	Sam	bon Project, CAMB	92 <i>L</i> f	FEATUR			Bank.
O-ORDINATES:	E_ <u>6</u>	03 Km 27 N 4394 Km	16	_ R.L. GF		30	
		DOWN STREAM AREA OF @			OF EXCAVATION		1.0 m x-1.5 m =
OIL TYPE SEOLOGICAL	JUP BOL	SOIL DESCRIPTION GROUP NAME LARGESTAND SMALLEST SIZES	DEPTH	LOG OF	EXCAVATION	SAMPLE	
ESCRIPTION	GR(	LARGEST AND SMALLEST SIZES	HOLE	· [	PERMEA BILITY	No.	- COMMENTS
	-		•	<u> </u>	-		······
	Ī		-				·
DVAE YTHE		fine grained. grey.	_				
			05_				
		fine grained.	-				
SAND		with laterite nodules, dia to 1cm in plenty.	-	::::::.			1
		gyey.	10-	<del>;;;;;</del>			
		spotting white limy	=	1///			: -
CLAY		particles in grey	[ _ =				
•		matrix.	15 —	11/1		Na I	
			† =	1///		20	1
		Bearing limy nodules,	2.0-	///			- :
ILTY CLAY		dia. 5 to 7cm and completely weathered				F	
-		Shaly fragments	_	///			
		in some part.	25				
		yellow.		1/1			-
Ī	]	_	-		-		
`	ŀ		30-				
			-	<u></u>	_		-
SHALE		Highly weathered.	_		_		
-		yellowish brown.	3.5				
-			=				
- 1			40_				
			_	Base of	pit, 4.1 m.		=
			-	D.C.E D.F	pic, with.		÷
			45_			] [	
1			-				
1			=				
			5.0				
			_				
			55—	]			
			= _			<u> </u>	
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ļ			60				-
			-				
			-				
			6.5 —				
l		<b>_</b>	l			۱ <u> </u>	Til Ø
	AMA S					i.	OGGED BY <u>H. S.</u>

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200 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		OVERSEAS TECHNICA	L-,CO	OPERATION	AGENCY, TOKYO	), JAPA	N. EXCAVATION NUMBER
		ELECTRIC_P	OWER	R DEVELO	PMENT COMPAN		
	~ _	TECT DI	SULTI?	NG ENGINE	ERS)	20	
LOCATION S	ambo	on Project, CAMBOI	I, AJN 2(A)	FEATUR	ER HOLE LO	JG Light	Bank,
		04 Km 03 N 1:393 Km		– R.L. GF		30	
1	-	DOWN STREAM AREA OF (4)		-	OF EXCAVATION		1.0m × 1.5m
SOIL TYPE		· · · · · · · · · · · · · · · · · · ·			EXCAVATION	<del></del>	
GEOLOGICAL	MBK MBK	GROUP NAME	OF	1	PERMEA BILITY	SAMPLE No.	COMMENTS
DESCRIPTION	0 ၆	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMICA BICIT	IVU	-
	-	, , , , , , , , , , , , , , , , , , , ,	-	-		1	
<u> </u>		pale grey.					
.=	-	Having					with plant roots.
SILT	-	tinged of yellow	Q5 <u>—</u>			,	
-		in grey.	-				
	i I	with laterite modules, dia 0.5cm, in gray matrix			-		shrinkaga cracks
		Bearing limy nodules,	10-	11/1	-		reach to 1.2m deep.
SILTY CLAY	-	and some of them are	-				·
:	-	dissolved. cohesive. grey.	1.5 —				· ·
:		SANDSTONE boulder	]	1/1/	ı.		damp.
CLAY		are contained.	_			_	
-		yellow.	20-	111			
_	_	-	-	Base of	pit, z.om		*
			=	1			-
	,		25_				-
-			=		-		-
			•	1	-		
		-	30-	1			
_			=	1			
			=				
		-	3.5 —	<del>-</del>	-	-	-
			-				
			_ =	1 .			•
			40	1			
			=	1			
			45	1			
			-				
			=	1 .		1	
1			5.0—		Į	i	
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			] =	1		1	
			55	1			
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			-	}			,
ł			60-	1	1		·
			-	-			·
	1		=	1	1		
			6.5 —	†			
	1		1		i		LOGGED BY H. S.
HOLE MADE BY HA		l l		-			TO D
ŀ	115	<u> </u>					DRAWN BY H. S.
COMPLETED 5.	12. 7	ક્ષેત્ર !		-			CHECKED BY 7 14

		7 7 9		<u> </u>			E. OLICE
·	- - -		OWER	operation R develoi	MENT COMPAN	), JAPA	N. RP-54
. , -	-	TEST PI	T AN	NG ENGINE	ers) E <b>r Hol</b> e Li	OG	
		or Project, CAMBO	DIA.	FEATUR	E R	ight.	Bank
		06 Km 32 N 1.391 Km				31	
SOIL TYPE		DOWN STREAM AREA OF			EXCAVATION	T	
GEOLOGICAL DESCRIPTION	GROUSYMB	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	SAMPLE Na	COMMENTS
	- ;		T	F-2-7-7-1			
		pale gney.	=		- `		-
			] _ =				· ·
-		-	0.5 —				with plant roots.
-			_				
SILTY SAND		. yellow.	10 —		-	•	
			-		-		
			15 —				
	-	-	-				
		Scattering laterite nodules	, -		-		
		dia. Ich or so in pale grey SILTY SAND.	2.0				
			] =		-		
			. 25	1/1/			
		white CLAY which	=		l		
		derived from	-				
-`		decomposed limy	30		-	21	Somewhat damp.
SILTY CLAY	1	materials, with	=	1/1/			Gump,
		yellowish brown SILT.	3.5	1///		1	
			-	1///	:		
				///			
			40—	1///			
_				1///			
-			45_				
			-				
ļ			- 5.0				_
			- 3.0	Base of	pit, 5.0m		
				} `			
		[	55 —			-	
				}			
			60-	1			
				1			
			=	<u> </u>	t 		
			6.5 —	-{		_	
-							-
HOLE MADE BY HA	12 <u>4M</u> A	<u>Co</u> .					LOGGED BY # L.S.
COMMENCED 26							DRAWN BY <u>H. J.</u>
	12. 6						CHECKED BY J. 14

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				and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			SHEET NO.223
	~ ** <del>***</del> **	OVERSE ÀS TECHNICA ELECTRIC E	OWE	R' DEVELO	PMENT COMPAN	0, JÄP/ IY	
LOCATION S	Samb	( CON	JSULTI T AN	NG ENGINE	EERS') ER HOLE L	-1	Bank.
CO-ORDINATES:	Ę	<u>805 кт 50 N 1.391 кт с</u>	<u> 55</u>	R.L. GF	ROUND	32	m
SOIL TYPE	- ALITY	DOWN STREAM AREA OF 4	DEPTH	LOG OF	EXCAVATION EXCAVATION	1	0 m x 1.5 m
GEOLOGICAL DESCRIPTION	GROI	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	-	PERMEA BILITY	SAMPLE No.	COMMENTS
<u> </u>	1		,	1-2Z :Z :	-		
			-				
-		pale yellowish gney.	05		-	-	with plant noots.
SILTY SAND			10 —		-		
-			-			  -  -	
-	' , - 	Scattering laterite nodules, dia. Icm on so, in pale gray silty sand.	1.5		2		
-			20		<del>-</del>		
	~	- -	-   -		_	-	
-		- -	25				Somewhat damp.
	, ,	white CLAY, which derived from	3.0—			-	
SILTY CLAY		decomposed limy materials,	-				
		with yellowish brown SILT.	35 — — —				
		0.07.	40				
			45 - -				-
	_		5.0 —	Base of	pit, 5.0 m	[ 	
					pic, 3.0 m		
•			55—				
			60	-			
			6.5				
HOLE MADE BY HAS			•	'	'	ļ	LOGGED BY H. S.
COMMENCED 26, 1					-		DRAWN BY H. S.
COMPLETED 1/1	7, '6.	<u>3.</u>				lo	CHECKED BY J. 14

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	-	:_ OVERSEAS_TECHNICA	ĭľ"_CÔC	PERATION		D, JAPA	N. EXCAVATION NUMBER:
				R DÉVELÓ IG ENGINE	PMENT COMPAN	Υ -	, , J <del>o</del> - ,
		TEST PI	T AN	ID AUG	ER HOLE L	OG _	
		on Project, CAMBO		-			Bunk.
	-	02 Km 40 N 1.396 Km	_	R.L. GF		<u> 35</u>	
SOIL TYPE		DOWN STREAM AREA OF	·	-	OF EXCAVATION	<del>/</del>	0 m × 1.5 m
GEOLOGICAL	GROUP	SOIL DESCRIPTION GROUP NAME	OEPTH OF	LUG OF	PERMEA BILITY	SAMPLE	COMMENTS
DESCRIPTION	ចេស	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILLLI	Nu	
		fine grained.	- 1			T _	
SAND.	,	Bearing laterite nodules, and few rounded QUARTZ				- 1	with plant noots.
	ļ	and few rounded QUARTZ pebble, dia. 3 to Sem.	α5	<del>``</del>			
-	-			1/1/			
ŀ		-			-		_
	-		10	1///	-	7	
		pale grey CLAY					
·		with neddish brown	15		=	<b>X</b>	
CLAY		patches in lens.	Ĭ <u> </u>				
	<u> </u>	-		11/1		.22	_
		,	2.0			.42	
							_
	_		25	1/1/		1	damp.
•			_			2	aump.
				11/1			
		<del>-</del>	3.0-	1///		1	-
			] ]				-
	-		] =				
		Hickle months . 1	35 —				-
		highly weathered.	-	· · · .			
SANDSTONE		dank yellowish	40_				
		brown.	=				
			1, =		1		-
			45				
<b>.</b>							
			5.0			<u> </u>	
		-	=	Base of	pit, 5.0m.		· .
			=				
			55				
			60-				
			. =				
-			=				
			6.5 —				
HOLE MADE BY HA	ZAMA	<u>co</u> .		-	•	-	LOGGED BY H.S.
COMMENCED 28,	_						DRAWN BY H. S.
COMPLETED 5,					•		CHECKED BY J. 14

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		700								t in	<b>第二次是这一</b> 人	
									- 3	i e	-1-F-2-F4 4.23	NQ225_
ng <u>Artigraph (preservers</u> - Line e	- <del></del>		- OV	ERSE AS	TECHNICA	L CO	OPERATION	AGENCY,	TOKYO	, JAPA		NUMBER 57
	, , .		•	ELE			R DEVELO NG ENGINE	PMENT CO	MĒĀŅY		· · · · ·	
	- ** *			TE	STEPI	T AN	ID AUG	ER HÖL	E LO	G		. = :
LOCATION	_	3			CAMBO						Bank.	
CO-ORDINATE	•		-				_ R.L. GF			40		
SOIL TYPE								- EXCAVATI	a I	3	. Om x 1.	<u>5 m</u>
GEOLOGICAL DESCRIPTION	ROL	ξ	GR	OUP NAM	TION ME ESTSIZES	OF HOLE		PERMEA B	——(	samp _i e No	COMMENT	S
	- 10	07 JOA	-	AND SHALL	231 31223	1,022		4		3		
	7 7 .		ine ;	grained,	grey.	_				_		, -
	- "		Lateri	te nodule	<b>:</b> 5	_ =			-		with plant	noots:
SAND	**	-		concent	nate.	05	:::::	-				
	- } :	B	earing	latenite n	odules,	1 =			-	-	-	-
	<del>-</del>	- -	<u>, , , , , , , , , , , , , , , , , , , </u>	to Icm.		10-	777	•	-	बु		-
-	-	1	 n			] =	1///					
			Beatin Joseph	g limy n	rodules,	- <u>-</u>	111	-	·			
CLAY	`			to 6cm,	and	1.5			-	<b>[</b> 23		
		1	,	ohesive		=	1///	_	٠ -		=	
1	-   -			iellow,		20			-		<u></u>	
	-	-				_			-	<u> </u>	- -	
						25_	11/1			N.	With boulder	
-						-	Base of	Pit, 2.	5 m			-
-	-			-		=				-		-
-				-		30-	1					
						=						
-				•		3.5 —				-		
			-			=					•	-
						40					•	
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	.					5.0			į			
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-						55	}	ļ	Ì	,		
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	.					60—		ĺ				
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						65—						į
HOLE MADE BY	HAZAI	MA Co	Π.			•	•	ı	1		LOGGED BY	H.S.
COMMENCED 3			1								DRAWN BY _a	W. S.
COMPLETED											CHECKED BY	7.14

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	- 1	OVERSEAS TECHNIC	CAL CO	OPERATIO	N AG	ENCÝ: TOKÝ	ΩΞ.ΙΔΡΑ	EXCAVATION NUMBER
-	- ⁻	· · · - · ( CC	XNSULTI	NG ENGIN	IEERS.	}		
LOCATION	Sam	TEST F ibar Project, CAME	PLA	ND AUC FEATU	ER	HOLE L	OG -	
CO- ORDINAT	TES: E	614 Km 194 N1,404 Km	590	R.L. G	-	<u>Left</u>		
DETAILS OF	LOCALITY	LQO QUARRY	AREA			CAVATION		m 50 )m ·x 1.5 m
SOIL TYPE GEOLOGICAL			DEPTI	,		AVATION	SAMPLE	
DESCRIPTION		GROUP NAME LARGEST AND SMALLEST SIZES	OF			MEA BILITY	- Na	COMMENTS
				<u> : : : : : : : : : : : : : : : : : :</u>				
	ĺ	organic smell, grey		11/1/				plant roots.
CLAY	-	Mottled pale grey and yellowish brown, with fe	w   - <u>-</u>	11/1/	-		- ,	
		decomposed limy nodules.	0.5	1111		_	·	-
				Base of	pît.	0 6 m .		large sands to ne boulders on base of pit.
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			6.5					
			d.5			.		
<del></del>		i						
OLE MADE BY H	-	-					Lc	GGED BY <u>H. S.</u>
OMMENCED 3	-			•				AWN BYH S.
OMPLETED _3	0, 11., 63	<u> </u>					СН	ECKED BY 7./4

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		OVERSEAS TECHNICA	ILY CO	OPERATIO	Y AGENCY, TOKYO	), JĄPA	IN EXCAVATION NUMBER
4	* *	- CON	İSÜLTI	NG ENGIN	EERS ) EER HOLE LO	-	
LOCATION	Sam	bor Project CAMBO	ı, Aı DIA∹	FEATU		JG eft	Bank -
CO- ORDINATES :	E_6	3 Km 565 N 1,403 Km		R,L_,'GI	ROUND		m 00
DETAILS OF LOC	ĄĻĮŢY	LQO QUARRY A	REA	=	OF EXCAVATION		<u>m x 1. 5 m</u>
SOIL TYPE GEOLOGICAL	ਤੋਂ.ਠੂੰ.	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	
DESCRIPTION	GRO	SOIL DESCRIPTION GROUP NAME L'ARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	No	COMMENTS
	,	*		<u> </u>	127	l <u></u> .	
SAND	,1,0	laterite nodules & quartz			_^ -		plant roots, laterite nadules
SAND		round pebbles, light brown,	] = =				O 3cm, pebbles 2cm.
			0.5	1/1/3	-	-	few unsolidified black
	-	no coarse grains.	-	1///			laterite nodules, 05 - lcm.
	l - , Ì		]	11/1		_	
- SILTY			10 -	11/6	<u>-</u>	1-	* -
CLAY-		- light yellow,		1111	_		-
- `	_ }			1/1/1	- <u>-</u>	-	
1.12	-		1,5			-	_
SHALE			· _=				Bedding:
STIALL	, .	shale; laminated.				x :	strike N 5°W,
SANDSTONE	4	sandston : medium	2.0		-	-	d Ip. 20° NE·
SANDSTONE	ſ	gramed.	_	ربين	-	ì	
SHALE	٠	Completely decomposed	25		=		`
, ,	-	due to high degree	-		, ,		
SANDSTONE		weather ing,	_			1	
-	-	sedentary soily state. Light yellowish brown.	30			-	
				Base of	pit, 3 lm.		
-	-				-		·
	- [	-	3.5		-		
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-	1		6.5		٠	·	.
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HOLE MADE BY HAZ	-		~				LOGGED BY <u>H. J.</u>
COMMENCED 11, 1	2., 6	3					DRAWN BY - H. S.
COMPLETED 4,		<del>.</del>					CHECKED BY 7. 14
					· · · · · · · · · · · · · · · · · · ·	<u> '</u>	

							SHEET NO.22
,\ \		OVERSE 35 TECHNIC	AL CC	OPERATIO	N AGENCY, TOKYO PMENT COMPAN	JAP/	
			<b>ISULT</b> I	NG ENGIN	EERS )	· ',	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
LOCATION -	Sam	Dor Project CAMBO	⊫į Al DIA.	VD AUG FEATÛ	SER HOLE L RE _ Left		ank.
CO-ORDINATES .	E 6	12 _{Km} 819 _N :1,402 _{Km}	844		ROUND		m 00
		LQO QUARRY	ARE.	YPE TYPE	OF EXCAVATION	, l. (	Om x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OEPTI OF HOLE	1	EXCAYATION PERMEA BILITY	SAMPLE No	COMMENTS
			-			<del></del>	
SAND .		fine - medium grained, with laterite nodules. O 3cm, brown	· <u>-</u>				fine plant roots.
CLAYEYSAND_	=	with few luny modules sand grain medium, somewhat conesive ye llowish brown.	0.5		<u> </u>	-	I . I . I
· <u> </u>	<u> </u>	with timy film on joint	- - -	K///	=		
SILTY . SAND	Ì	plane, completely decom -	- =		-	-	,
SANU		posed to soil, brown.	10-		-	= _	
_		Completely weathered, -	-	`	· -	-	
SANDSTONE	:	Able to drg by hand	15		-		
· -		hoebrown.	] =				massive state, strike 8 dip of
			- 7 -	*****			strata, obscure.
		-	2.0	Base of	pit, 18 m.	İ	•
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		- -	25_		:		
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DLE MADE BY HAZ				•		<u> </u>  L	OGGED BY <u>H. J.</u>
MMENCED 29.		·-					RAWN BY H.S.
MPLETED _30,	II., 6	3				ļ	HECKED BY . T. 16

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7	Wilder Talendard . The last	4 7 7	elektri kalitar kest kirkakan bermenak adalah kest karan di	र के साम स्था	CONTRACTOR THE	P. Fritz College Standard Standard	- 15 2'	San Sen Self S
2			OVERSEAS TECHNICA	L-CO	OPERATION	N AGENCY, TOKY	). JAPA	EXCAVATION NUMBER
Œ.		3	ELECTRICE F	OWE	R DEVELO	PMENT COMPAN	Υ-	L'00 - 4
÷		ΕŢ,	· · · · · · · · · · · · · · · · · · ·	SULTI	NG ENGÎNI	EERS+)		
_		. ' <u>-</u>	ŢESŢ <u>ĕ</u> PI	T. Al	ND AÙG	ER HOLE L	ĴĠ .	<u> </u>
Į	LOCATION	<u>Sam</u> (		DĎÍĀ	, FEATUI		<i>2</i> 1	Bank
٠ ا	CO-ORDINATES	• E • 6	13 Km 470 N 1,404 Km		_ R.L. GF	<del></del>	ي حت حت حت حت	<u>m̃50</u>
١	<del></del>		LÓO. QUARRY AR	·			2	,
4		*				OF EXCAVATION	10	m x 1.5 m
-	SOILTYPE = == GEOLOGICAL	3 8	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG-OF	EXCAVATION	SAMPLE	
٠ ٠	DESCRIPTION	₹.	GROUP NAME	OF.	- 1	PERMEA BILITY	Na	-COMMENTS _
1	,	9.01,	LARGEST AND SMALLEST SIZES	IUOCE			1 ''`	-
ŀ		<u>-</u>		<del>.</del>			: -	<u> </u>
1		- '.	fine grained.	-	```;	* -		
1	- Richard L. (1971)					* e		plant roots.
İ			grey.	-			- '-	
1			with blocks of L	Q5	`	_	]	Bearing laterite nodules
1			sandstone.			-		& round quartz pebbles
Ī	' <u> </u>	,-	<u>.                                      </u>	\ <u>.</u> _		-	1	(dia. 2 cm).
1	SAND.		a.*	10-		-, -	- ۱	Bearing limy nodules -
_		-	somewhat silty	' ~	• •	· -	1	(dia. 1-3cm) and -
ł		-	30142				1	scattering unsolidified
1	'-	-	yellöw.				-	scattering ansonanted
ŀ		-		1.5 —	* .	<u>-</u> *	_	black laterite nodules
Τ		4		<u> </u>				(die lcm) in a little.
1		`~					· ·	tale, icm; in a liffle.
L	_ •	= .		20_				
Г		-	soft. yellow fo pale grey,	20—	<b>`</b> ``		-	-
ł	SANDSTONE	٠, ١	weathered.	- Table -		,	1	
L	<u> </u>	, -			••••		-	-
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Н	OLE MADE BYHAZ	AMA .	<u>≽</u> .   `				l _i	OGGED BY <u>J. J.</u>
	•	12						
1					•			DRAWN BY H.S.
С	OMPLETED 4.,	12., ′	63				ļ	CHECKED BY J.H

							SHEET NO 230
		OVERSEAS TECHNICA	AL CO	OPERATION	A AGENCY TOKY		EXCAVATION NUMBER
	- :	ELECTRIC F	POWE	R DEVELO	PMENT COMPAN		N
	-	( CON TEST PI	ISULTI AA T	NG ENGINI JD ALIG	ERS) ER HOLE LO	റദ	
LOCATION	Sam	bor Project, CAMB	<u>O DIA</u>	. FEATU		1 В	ank -
		13 Km 214 N 1,404 Km			,——— <u>—</u> :	_32_	
		LQO QUARRY AF	<del></del>	<del></del>	OF EXCAVATION	- 1.0	m x 1.5 m
SOIL TYPE SEOLOGICAL	GROUP	SOIL DESCRIPTION GROUP NAME	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION	ळ छ	LARGEST AND SMALLEST SIZES	HOLE	<i>x</i> - 1	- PERMEA BILITY	Nα	
		very fine grained.	1	· :		) 	
SAND							plant roots
		light pink					pidit. roots.
SILTY		laterite nodules to icm few round quartz peobles 15cm.	U3		-		-
		cohesive	=				
			10 -	11/1/	-	-	care plant roots.
	-	Bearing unsolidified	=	11/1/			
CLAY		black lateriti¢ nodules					
		in some -little.	15	1777			4
-		pale yellow.	{ =	1111			
			20_	////			
SANDSTONE		medium grained. Completely weathered to	=				massive state, strike & dip of
5711 <b>5</b> 51 <b>5</b> 112		soily state, yellow.					bedding obscure.
			25_			<u>  </u>	
			] =	Base of	pit, 26m.		-
			30-		-		
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	}		60 <u> </u>				
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			6.5			-	-
	v						
LE MADE BY <u>HAZ</u>	AMA C	<u>co</u> .		•		[i	ogged by <u>H. J.</u>
MMENCED 17,		i				- 1	DRAWN BYH.S
	12., '6	_ 1					CHECKED BY 7.14

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- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	OVERSEAS TECHNICA	Saturday	TOPINITION IC	/, UMI HI	EXCAVATION NUMBER
	, ELECTRICEP	OWER DEVELO SULTING ENGINE	PMENT*COMPANY TERS 1	Υ	
I OCATION -	TEST	T*AND AUG	ER HOLE LO	OG -	
LOCATION - Sai	mbor Project, CAMBO				3 ank
T -	612 km 785 N 1,404 km (		ROUND	<u>29 ñ</u>	
	τΥ <u>LQO QUARRY</u> AF		OF EXCAVATION	1.0 m	x 1.5 m
GEOLOGICAL B	置 GROUP NAME	OF		SAMPLE	COMMENTS
gesjorar Hole	G LARGEST AND SMALLEST SIZES	HOLE	PERMEA BILITY	No.	<u> </u>
				<del>,                                    </del>	
SAND	fine grained.				plant roots.
	light grey,	<u></u>	-	-	
	Bearing unschlafted	0.5	<u>-</u>	:  -	Bearing soft
-	limy nodules.		-		and round quartz pebbles.
SILTY -	-	10-12/2		.	الا ووجودون تسميد المدا ماللا
SAND	yellow, _				Bearing completely
	Mixing clayey and		<u>-</u>	1 1	weathered & decomposed
] - [	fine-medium grained - sand.		,	-	sandstone debris.
	medlum grained.	1/////		-	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
SANDSTONE		2.0		-	Intercalates limy decomposed films
	g re y				accompased times, -
		Base of	pit, 2.2 m.		
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HOLE MADE BY HAZAM	A.Co.		•	LC	GGED BY H.
COMMENCED 6, 12,		4			AWN BY H.S.
COMPLETED 7, 12,					ECKED BY 7/4
	'	•		Int.	

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		OVERSEAS TECHNIC	A1 C.C	OPERATIO	N AGENCY TOVY	) 14 DA	IN. EXCAVATION NUMBER
- 1		- ELECTRIC	POWE	R DEVELO	PMENT COMPAN	J, JAPA Y	LQ0-7
		_ ( COI	VSULTI	ING ENGIN	EERS )		
LOCATION	Sam	ibor Project, CAM	PADI	ND AUG	ER HOLE L		
CO-ORDINATES	: E(	512 кm 866 м1.403 кm	753	A. P. C	POUND	<u>.ef_t</u>	Bank
DETAILS OF LO	CALITY	LQO QUARRY A	REA	TYPE	OF EXCAVATION	-	
SOIL TYPE	글 절	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	<del></del>	Om x 1.5 m
GEOLOGICAL DESCRIPTION	N ME	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	]	PERMEA BILITY	SAMPLE No.	COMMENTS
	10 01	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	TEIMER DIETT	, NU	
	T	fine grained, grey	Ī	,	-	- 	<del> </del>
SAND	1					}	plant roots.
		- ye Ilow.	_ =		- <u>-</u>	_	
	· .	Bearing limy patches	0.5 —	11/1/			with laterite nodules (dia-lom)& few
SILTY		and nodules in some-	-	11/1			round quartz, pebbles
SA ND		little. yellow.	10 —	10/6			(dia. 2 cm).
			-	1/4/5			damp
		no coarse grains,	=	1/6			
			15			-	-
		Sedentary soil state	-		-		-
		t due to complete			_	İ	•
SANDSTONE		decomposition,	20-		-		
		sand with seams of	Ì -	}			
]		grey clay.	2.5			1	
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		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	ÌΞ				
			30—	Base of	pit, 27m.		
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OLE MADE BY HAZ	AMA Co	<u>.</u> .	•		•	ļ.,	DGGED BY _ H. S
COMMENCED 5, 1						•	
COMPLETED 8, I	-					3	RAWN BY H.S.
COMPLETED ST.	_,	<u>-</u>				C+	ECKED BY J. 14

	minera elem	OVERSEAS TECHNICA	CO L	OPERATION	I-AGENCY, TOKYO	, JAPA	N. EXCAVATION NUMBER
	4	- ELECTRICE P	OWE	R *DEVÊLO	PMENT COMPAN		LQ0 - 8
				NG ENGINE	ERS) ER HOLE LO	วด	
LOCATION	Sam	bor Project, CAMBOD	ΪΑ	FEATUR		eft	Ban k
CO-ORDINATES :	<b>E</b>	<u>612 кm - 8 26 м 1,403 г/кm 2</u>	177	R.L. GF	ROUND	- 30	m 00
DETAILS OF LOCA					OF EXCAVATION	1.0	m x 1.5m
SOIL TYPE	의 교	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG OF	EXCÁVATION	SAMPLE	COMMENTS
DESCRIPTION	ĞR( S'nV	LARGEST AND SMALLEST SIZES	HOLE.		PERMEA BILITY	Na_	COMMENTS.
			-	-	-	-	
` - ' -		tine grained.					plant roots.
SAND	-	dark brown. taterite nodules to 0.5cm and round quartz, pebbles ina little	-		- -		Bearing cobbies and boulders
		round quartz, pebbles ina little	05_		- ⁻		of weathered sandstone.
-		Bearing completely weathered & decomposed	=				 
SILTY		weathered & decomposed debris or cobbles		,	-		
CLAY		in - samelittle	10		-	-	large boulders of
-		cohesion. yellow.				<b> </b>	on the base of Pit.
			1.5	Base of	pit , L3m.		
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HOLE MADE BY HA							LOGGED BY
COMMENCED 6.	12,	<u>63</u>					DRAWN BY H.S.
COMPLETED 8.	12.	′63					CHECKED BY J. 14

·			d-74 48		The Facility Dank 1	er er skare e er s	A. 1-36-2	EXCAVATION NUMBER
		OVERSE 42 LECHNICA	ال ۱۹۲	DECKALION	AGENU	Y, LUKYU	, JAPA	N LQO -#9
1 77		ELECTRIC	OWE	₹ <u>"</u> DEVELO	PMENT (	COMPANY		LOO WA
~ -	-	TEST PI	VSULTII T AA	NG ENGINE	ERS').	á E i d	). ).c	
LOCATION	5 a m	bor Project. CAMBO	יוא-ו. בΩותנ	FEATUR	SE ELV LIV		eft	Bank "
ļ		12 Km 700 NL 403 Km						m
1 .		LQO - QUARRY A			OF EXCA	/AT10N		mx I.5m
SOIL TYPE								
GEOLOGICAL	98	SOIL DESCRIPTION GROUP NAME	DEPTH	LOG OF			SAMPLE	COMMENTS
DESCRIPTION	GR SY	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE	,	PERME	A BILITY	Nα	
-			-	-	_			<del>-</del>
	-	fine grained, yellow,	_	17.19	· -,	.,		
SILTY	-	Interite nodules to 0 5cm 8	1 - =		·   -	,	[-	quarte pebble, 1.5-3 cm
SAND	<del> </del>	quartz round pebbles.	05_	1///			: '	in small quantity
]		Scattering few un -	-	11/1	1		-	
CLAYEY	Ì	nodules. yellow.		1///			1	-
SILT		Bearing weathered	L	14/2	-		-	
<u> </u>		sandstone boulders.		11/1/	-	-		
		Bearing maderately	_				:	
- S AND	-	to strongly weathered	1.5 —	].			<u> </u>	
1	1	sandstone boulders. brown.	"-		-	•-	·	somewhat weathered
	·	JIS ##1	<del>                                     </del>				1	sandstone houlders
-		-	20_	Base of	pit.	17m.		on base of pit.
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HOLE MADE THE	. <del></del>		•	•	1		•	LOGGED BY JL. S.
HOLE MADE BY HA								
i	. 12.	1						DRAWN BY H.S.
COMPLETED _17	, 12,	63						CHECKED BY 1/9

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		OVERSEAS TECHNICA	L CO	OPERATION	AGENCY, TOKYO	JAPA	EXCAVATION NUMBER
	\$ - 71.2°				PMENT COMPANY		Ç40 - 10
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		bor Project CAMB	ODIA	Ž [≤] FEATUR	ΣE	eft	Bank
F	. 7	12 km 460 N 1,403 Km	16	•	_	-27	
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SOIL TYPE	GROUP Symbol	SOLE DESCRIPTION	DEPTH	LOG OF	EXCAVATION '	SAMPLE	COMMENTS
DESCRIPTION	S &	LARGEST AND SMALLEST SIZES		<u> </u>	PERMEA BILITY	Na	
SILTY				. ^		- -	Tak a second
SAND	-	tine grained, deep brown.	_		اند ایاض شارید		plant roots.
SILTY	÷	laterite nodules to 05cm,	_		·	^	low lateritization.
CLAY	-	cohes (ve ,	Q5 <u>—</u>				
		Completely decomposed.				 	
	,	Forming to shale frag -	= = = = = = = = = = = = = = = = = = =			.	0.442
SNALE		ments bearing silty clay.	_		- "		Bedding;
	1	Competely weathered, and decomposed in part.	= _				
	, -	yellow - gray	1.5 -	<u></u>		, - - -	strike N 20° W ,
<u> </u>			#				
	,			Base of	pit , 17m		* ± ±'
			2.0—		j.	-	
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HOLE MADE BYHAZ	7 A M A C		• -	•	ı	•	LOGGED BY H.S.
COMMENCED 16.		-	-		-		DRAWN BY H.S.
COMPLETED 17,					-		CHECKED BY J/4
ILLOMPLETED U	16, 5	,, ,					VINCONCO DI

	OVERSEAS TĒĆHŅĪČA	L CO	<b>JEFKÝ LÍČ</b> Ú	i'' WOFWCA'' I OKAC	J, JAPA	7 7	HEET NO.236
	( CÔN	SULTI	NG ENGINE	EMENT COMPAN' ERS ) ER HOLE LO	-	-	- ' 
	mbor Project, CAMB(	DDIA:	FEATUR	RE ,	<u>Left</u>		<u> </u>
	612 _{Km} 245 _N 1,402 _{Km} / LQO QUARRY AF					_	
			· · -	EXCAVATION	SAMPLE		-
	- SOIL - DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	Na	COM	MENTS
<u> </u>	<u> </u>	1	-	*		-	
SILTY	very fine grained.					plant	roots,
S A ND	_ dark brown.	0.5			-	-	
-	laterite nodules 0.3cm. with sandstone boulder,	=			1 -	weak i	ateritization .
SILTY	with completely decomposed debris	10	11/6			<b></b>	
CLAY	of sandstone or shale.	=	1/1/	- -	-	Bedding	spacing 2-5cm
	cohesive. greyish yellow.	- - - - 5 —	1/1==	-	<u> </u>	- "	
	Highly weathered.	] _		-	-	-	
SHALE	greyish yellow.	20_			1.	-	-
		-	Base of	pit, 2.0m.			- <u>-</u>
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THE WAY								SHEET NO.23	经 () ()
-			ELECTRICE	POWE	OPERATIO	DPMENT COMPAN	Ō, JÀPA	AN LQO - 12	
	LOCATION .	Sam	TFST PI	T A	VD - AUC	BER HOLE L		D-N	-   '
	CO-ORDINATES :	E_6	13 Km 846 N 1,404 Km	483	_ RL.G		<u>Lef†</u> 35	Bank m 50	-
	DETAILS OF LO		_LQO QUARRY A			OF EXCAVATION		) m x l.5 m	
	GEOLOGICAL DESCRIPTION	GROUF	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OEPTH OF HOLE	L'OG OF	PERMEA BILITY	SAMPLE No.	COMMENTS	
									-
	SILTY		fine-medium grained	_					
	SAND	],	dark grey. laterite nodule to O5cm and	0.5_		<u> </u>	-	plant roots.	
ŀ	-		round and tlat Quartz pebbles.	=			1	poor Interitization.	-
l	•		Bearing weathered angular debris of	_	17/1				
l			sands tone.	10 —	11777		1:-		
l		- 1	somewhat cohesive.		1111		-		
	CLAYEY		sand grain, fine-medium,	1.5					,
l	SAND	-	Bearing completely		11.1.1	-	ĺ		-
			decomposedboulders	20	11.15			Decomposed to white limy materials in some part	
l			and cobbles of sandstone.	1		· ·		muterials in same part	
-	-	`	greyish. yellow.	25					
			Completely decomposed due to high degreed	,	••••	-		massive state	-
			weathering.		• • • • •	_	٠.	-	-
	SANDSTONE		sedentary soily state.	3.0	••••••	•	-	-	
		1	deep brown	, =				-	-
_		`	Highly weathered, pale yellow,	3.5 —		= e	-	water level 3.5 m	
			,	=	Base of	pit, 36m.		25 Dec '63.	
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		12, 63	<b>-</b>				í	OGGED BY H. S.	
	MPLETED 12, 1		7 <b>}</b>			- 4		RAWN BY H.S	
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		ELECTRIC	POWE	R DÉVELO	PMENT CON	OK 10,00	TAINEQ	0 - 13 ·	
20.2	-	TEST P	IT AI	NG ENGINI VD AUG	ERS ) ER HOL	E LOG			-   -
DCATION		<u>bor Project, CAMI</u>	<u> 3001 A</u>	FEATU	RE	Lef	t Bank		E.
		613 km 470 n 1,404 km LQO QUARRY A		_	ROUND		9 m l3 1.0m x l. 5		
DIL TYPE		- SOIL DESCRIPTION	DEPTH		EXCAVATIO			<u></u>	┥-
OLOGICAL SCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BII		LCOMME	NTS	_
	· · · · · · · · · · · · · · · · · · ·			= -			1		7
	-	fipe grained. Light greyish brown.	-			-		-	7
AND -	-	fine to medium- grained, with few-boulder	05_		<u>.</u> .		with plant	roots. =	
		- light yellowish brown with limy nodules of	-	1777	-	-	with laterite	nodules ,	-
SILTY		small size in some-little	=					-	-
CLAY		slightly sandy. greyish yellow.	10 —					-	
			-	1.1		-	on bottom	of pit =	
		-	15	Base of	prt, 13	m. : -	medium - weathered	grained, ; - sandstone,	
		-	-				Wedillelen	adidatone.	ı
		<del>-</del> (	20_		-	-			
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	LOCATION	Sam	bor Pr	oject,	CAMBO	DDIA:	ND AUG	ER HO	LE L	OG - Left	 Bank	
	CO-ORDINATES:	<u>E_6</u>	13 _{Km} 1	96 _N -1,	404 km	483					m 00	
	DETAILS OF LOC			QÜĂF				OF EXCAVA	NOITA	<u> </u>	Om x 1.5 n	<u> </u>
	SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBÖL	SOIL GR LARGEST	DESCRÌP OUP NAM AND SMALL	TION AE EST SIZES	DEPTH OF HOLE	LOG OF	EXCAVAT PERMEA		SAMPLE No.	COMME	NTS :
	- ,		-	<u> </u>						-J		
`\	SILTY SAND		organic taterite reddish	nodules,	grey 📑 🕆	- -		3 e 5		1	with plant sandstone subangulo	blocks or debris
ı	SANDSTONE	<u>,</u>		and loc , yellow		Q.5					some debris	coated with
1			;	-		_ =	Base of	pit, O.	ōm.		iron	
1		-	<u>.</u>	-		10 —				<b> </b> .		
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н	OLE MADE BY HAZA	AMA. C	0.		(	'	1		r	ļ.	OGGED BY	H. I
	OMMENCED 4						-			- 1	DRAWN BY	1
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EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. LOO - 15-ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ) TEST PIT AND AUGER HOLE LOG LOCATION FEATURE Left Sambor Project, CAMBODIA. CO-ORDINATES: E 612 Km 920 N 1,404 Km 480 R.L. GROUND 28 m30 LQO QUARRY AREA I. O m x I. 5 m DETAILS OF LOCALITY TYPE OF EXCAVATION SOIL TYPE SOIL DESCRIPTION DEPTH GROUP NAME OF LARGEST AND SMALLEST SIZES HOLE DEPTH LOG OF EXCAVATION SAMPLE COMMENTS DESCRIPTION: PERMEA BILITY Nα fine gramed. SAND organic - smell, with plant roots. dark grey. poorly lateritized, SANDY Spotted boulders and CLAY debris that completely decomposed. white limy nodules. CLAYEY subangular or subround SILT grayish yellow. ALTERNATION OF SHALE & SANDSTONE Completely decom posed Bedding due to weathering grey 10 brown. 15°E. Shale shaws more sands tone . 3.0 in weathering. 5.0 55 60. 65 له نظر LOGGED BY HOLE MADE BY H AZ AMA Co. DRAWN BY H.S COMMENCED 3.12.63 CHECKED BY J. 14. COMPLETED 4, 12; 63

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1	* 05 47 041	<u> </u>					ER HOLE L		
	–			t, CAMBOL		FEATU		<u>ft</u>	Bank .
.							ROUND		· · · · · · · · · · · · · · · · · · ·
	DETAILS OF LOC		<del> </del>		T		OF EXCAVATION .	<del></del>	Um x i. om
٠	SOIL TYPE GEOLOGICAL	GROUP SYMBOL	SOIL DE	SCŘIPTION P NAME	DEPTH OF _	LOG OF	EXCAVATION	SAMPLE	COMMENTS
L	DESCRIPTION	SYN SYN		SMALLEST SIZES			PERMEA BILITY	No	
• [			- ' ' "	- <u> </u>		: '		-	
			fine or	rined, grey.			- 7 -7		plant roots.
-	SAND	- '	,				ĺ		with aandstone debris &
-				yellow.	05_	<u> </u>	<u>}</u> -		few laterite nodules, 05cm
- [		• -			-			-	with "sand stone blocks in
-	SILTY	**			=	122	1 .		a little, unsolidified _ laterite nodules or
- [	-		- yellow -	spots _	10-			1.	patches and few round
:	SAND		iu dien	matrix, -	_	ss.	_		pebbles of quartz,
.	• ,		<u>-                                    </u>	<del>-</del> -		1/5%		-	dia, of pebbles, 3-4cm
	SANDSTONE -		massive,	medium 🛫	15 —	Base of	pit, _1 3 m. '	-	
1		- ,	grained.	pale grey	-		-		
-		- , -			-		-		-
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SHEET NO 242

	,						SHEET NO.242
· · · · · · · · · · · · · · · · · · ·		OVERSEAS TECHNICA	r- co	OPERATIO	V AGENCY, TOKYO	, J <u>a</u> pa	EXCAVATION NUMBER
-	-	: ELECTRIC - F	?OWE!	R DEVELO NG FNGIN	PMENT COMPANY EERS )		ra'o' - 1-1
		TEST PI	1A T	ND AUG	ER HOLE LO	G_	
LOCATION		<u>bor Project, CAMB</u>	<u> </u>	FEATÚ	REL	<u>eft</u>	<u>Bank</u>
_ '	-	13 Km 795 N 1,404 Km9			ROUND		<u>m 30</u>
DETAILS OF LOC		,		<del></del>	OF EXCAVATION -	<u>- 1.0</u>	m x 1.5 m
SOIL TYPE GEOLOGICAL	GROUP	SOIL DESCRIPTION GROUP NAME	DEPTH OF	LOG OF		SĀMPLĒ	COMMENTS
DESCRIPTION	8 8	LARGEST AND SMALLEST SIZES		<u> </u>	PERMEA BILITY	Na	
		· · · · · · · · · · · · · · · · · · ·	· · · ·	<del>r</del>		•	=
SILTY	-	light grey.	-			-	
SAND	====	fine grained, yellow,		949		- :	plant mots,
		laterite nodules to. 0,5cm & few round quartx pehblesto 3am	as	1999			with completely weathered sandstone debris,
-		Scattering black		777			
		un so li dified	_	1999			
SILTY	-	laterite nodules	10 —	19/1			few fine
CĻAŸ	*=	in a little.	~ =	160	, = - ,		plant reats,
	<b> </b>	conesive. yellow.	1.5	00%			
SHALE		Bedding - spacing 2 - 4 cm, Completely - weathered grey - yellaw					
_SAN DSTONE		grey - yellow  Completely weathered,		<b> </b>		=.	Bedding;
SANDSTONE	<u> </u>	soil state yellow,	2.0-		4.7	•	strike N30°W
<u>-</u> ,	<u> </u>	yellow.		Base of	pit. 2 lm.		dip 10° NE.
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OLE MADE BYHAZ	AMA.	<u>:o</u> .					LOGGED BY <u>J. J.</u>
OMMENCED LG.	12	63					DRAWN BY H.S.
OMPLETED 17.	in 5					ĺ	CHECKED BY J. 14

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								SHEET NO. 243	
			OVERSE AS TECHNIC				7	A C. Leavest C. C. S. Martine of Branche M. Taylor 14	Carter -
- 03			OVERSEAS TECHNICA	OWF	OPERATION OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONT	n agency, toky Dement-compan	O, JAPA	AN LQQ -18	
-			(- CO\	ISULTI	NG ENGIN	EERS )			,
	LOCATION	Sor	n bor <u>Project, CAM</u>	i Al	ND AUG	ER HOLE L			
-	CO-ORDINATES	- <u>-</u> - <u>-</u> -	613 Km 30 6 NI 404 Km	1 <u>990</u> 1		ROUND	ef-t	<u>Bank</u> m 50	. , ,
·	1. 3		LOO QUARRY A			OF EXCAVATION			1
	SOIL TYPE GEOLOGICAL	5 g	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE		
	DESCRIPTION-	GRC	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	-	PERMEA BILITY	_	COMMENTS	
-				<u> </u>	<u> </u>	_	7		-
	SAND	-	fine - medium grained, slightly silty.	-		,	-		1
-			light brown.			[ ;- ;-		plant roats.	-
			Scattering unsolidified	Q5	1111				-
	-	- " '	black_laterise nodules.		1111		-		
`	SAND .	-	_ palé yellow, -	- =				~ ` <u>-</u> `	-
ı	OHIND - V	-	- * .	10;	1/1/		-		
-	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5		well round quartz pebble, 4cm, ma little.	- 🗔	1//	_	; ²	large sands tone boulders	1 .
			The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	1.5	Base of	pit, 14m.		of subangular shape.	
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н	OLE MADE BY HAZA	AMA.C	<u>o</u> .	•	-	,	L	OGGED BY H.J.	
c	OMMENCED 2, I	2, '6	3					RAWN BY H.S.	-
c	OMPLETED 2, 1	2, '6	3	• •		-		HECKED BY J. 14	
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-		,	OVERSEAS TECHŅĪCA	N CO	OPEDATIO	A ČENCV TOVV	O 14 DA	
-			ELECTRIC F	POWE	R - DEVÈLO	PMENT COMPAN	U, JAPA IY	LQO - 19
			( CON	ISULTII	NG ENGIN	EERS )		,
-	LOCATION	Sa	IEST PI mbor <u>Project, CAM</u>	I Alv	ND AUG	ER HOLE L	.OG .eft	Dan I.
	CO-ORDINATES .		514 Km 687 N 1,404 Km			ROUND		Bank m. 00
	4		LQO QUARRY AF		_	OF EXCAVATION		m x1.5 m
	SOIL TYPE		SOIL DESCRIPTION	DEPTH	_	EXCAVATION		X1. 3
	GEOLOGICAL DESCRIPTIÓN	GROUP	GROUP NAME	OF	1 200 05		SAMPLE	COMMENTS
	0230.111 (1071	ပြတ်	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	PERMEA BILITY	Na	
-	SILTY	7	light pink.		7777		7	
	SAND	-[	few laterate nodule, to 0.5cm	_	444			-
-			moderate cohesion.					plant roots,
	SANDY	į .	with sandstane debris.	0.5			_	:
	SILT	ł	yellow.	_				
			yenow.	_	1///			
		<del> </del>	6 44	10-	4.4	-		decomposed seden tary
	-		Boulders are filled with	-		_		soil with large
	SANOSTONE		completely decomposed sandstone.	Ξ.		<del>-</del>		grey fine grained
*			Developing decomposed	15 -		-		sandstone boulder.
-		<u> </u>	limy seams & patches,		Base of			agugatotte Dottigel'
-	-			٦ ]	Dase or	pit, 17 m.		
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-	HOLE MADE BY HAZ						ļ	OGGED BY <u>H. J.</u>
l	COMMENCED 30,	11, '6	3_				E	RAWN BY H.S
	COMPLETED 2.	12, '6	3					HECKED BY 1/4
[1	COMPLETED		_				ĮC	HECKED BY

E <u>6</u> ALITY	( GOI	POWE NSULTI IT AI O D I A 408 REA	R DEVELO NG ENGIN ND AUG L FEATU R L GI TYPE	PMENT COMPAN EERS ) ER HOLE L RE L ROUND OF EXCAVATION	Y OG <u>eft</u> 35	LQO - 20  Bank m 20
E <u>6</u> ALITY	IEST P bor Project, CAMB 14 km 415 NI,404 km LQO QUARRY A	IT AI 0014 408 REA	ND AUG L FEATU R L GI TYPE	SER HOLE L ROUND OF EXCAVATION	eft _ 35	
E <u>6</u> ALITY	14 km 415 NI,404 km LQO QUARRY A	<u>408</u> REA	<u>1.</u> FEATU R L GI TYPE	RE L ROUND OF EXCAVATION	eft _ 35	
ALITY	LQO QUARRY AI	REA	TYPE	OF EXCAVATION		<u>m</u> 20
GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF		ı,	
GROUSYMB	GROUP NAME LARGEST AND SMALLEST SIZES	OF	1 200 0	EVANIATION.	7	Om x L5 m
	LARGEST AND SMALLEST SIZES	IHULE	f	PERMEA BILITY	SAMPLE	COMMENTS
	<del> </del>		L	PERMITA BIETT	Na	<u> </u>
		Τ		<u> </u>	Τ	T
	fine grained,	-	- 1	-		plant roots,
	light arange yellow.	0.5			-	
	laters te nodules to 05cm 8 round quartz pebbles to 15cm	<u> </u>	-	-		lateritization
	Mottled dull grey and	-				
İ	light yellow.	10-				Bearing black
	no coarse grain.	-	,	-		unsolidified
- 1	cohe sive.		, .		}	laterite nodule,
		.5			-	O 3 cm, in some - li
	Completely decomposed	=	· · · · /	-		f 
1	due to strong	2.0-		-		<del></del>
	wea thering	_	• • • • • •			compact.
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j:	sheeted shale, grey.	25			-	-
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	prown.			ĺ		Bedding ;
			Bose of	n	- (	strike N80°W,
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MA.Co	).	-	'	•		ogged by RS
12 <u>,</u> 63	.]					RAWN BY _ H. S.
į	MA.Cc 2, 63	light yellow.  no coarse grain.  cohesive.  Completely decomposed due to strong weathering sedentary soil.  clayey sand, brown,  sheeted shale, grey.  tlighty weatherea.  brown.	light yellow.  no coarse grain.  cohesive.  Completely decomposed due to strong weathering sedentary soil.  clayey sand. brown.  sheeted shale, grey.  tlighty weatherea.  brown.  30—  45—  46—  45—  46—  45—  46—  45—  46—  45—  46—  45—  46—  45—  46—  46	Completely decomposed due to strong weathering sedentary soil. clayey sand, brown.  sheeted shale, grey.  Highly weatherea. brown.  30  40  45  60  65	light yellow.  no coarse grain.  cohesive.  Completely decomposed due to strong weathering sedentary soil. clayey sand. brown.  sheeted shale, grey.  Highly weatherea. brown.  30  40  45  50  60  65  MMA.Co. 2, 63	light yellow.  no coarse grain.  cohesive.  L.5  Completely decomposed due to strong weathering sedentary soil. clayey sand. brown.  theeted shale, grey.  High weatherea.  brown.  30  Base of pit, 5 3 m.  40  45  60  65  MMA.Co. 2, 63

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		OVERSEAS TECHNICA	AL CO		15° 500 FINO 1'3 OK 10	J, JAFA	IN EXCAVATION NUM	3ER≆
	- :	ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	Υ	בעט בו	
		( CON	ISULII T AN	NG ENGIN	EERS ) SER HOLE LI	00		-
LOCATION	Sam	bor Project, CAMBO				Left	Bank	
I -		314 Km 250 NI,403 Km					<u>m 00</u>	<del></del> ,
DETAILS OF LOC							m x l 5 m	
SOIL TYPE								==
GEOLOGICAL	N S S	GROUP NAME	DEPTH	LOG OF	EXCAVATION	SAMPLE	COMMENTS	
DESCRIPTION	2 6	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE	u = .	PERMEA BILITY	Nα	_	-
				-	-			
- 1 31. 1		very tine, with small sized		17	-	-	plant roots.	
. SILTY .		la terite nodules, -tew tight pink,		$K_{i}$			p 10 11 100 15.	
SAND		somewhat clayey. Bearing white Irmy nedules.	0.5_	1. Pag	_			J
-		pale yellow. laterite nodules to lcm &	\\\ -	1.5.5				7
	<b> </b>	round quartz peobles to 3 cm					lateritization few	- L
•		- Scattering black - un -	. ~ -					
-		solidified nodules to	10-				-	
S ILTY		timy nodules; yellow.	] -		ĺ			
CLAY	:	Bearing completely	15 —	[47. J.S			- :-	-
i = 2		decomposed sandstone,	3 -					
-		block,	1 =			-		
	·	yellow -		1/3			· · · · · · · · · · · · · · · · · · ·	
-			2.0—			. ;	Bedding :	
		Highly weathered, and	-	]	-		strike - N - S,	~~
SANDSTONE		able to dig by hand hoe.	2.5			İ	dlp 20°E.	-
SANDSTONE		Some parts remain +.	- "		ł			
-		block of weathered sandstone.	=				•	
		y e il ow.	30	• • • • • •	_			
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-			] =	Base of	pìt, 3 lm.			-
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OLE MADE BY HAZ	AMA.	<u>c</u> o.					LOGGED BY <u>H. S.</u>	
COMMENCED _8,_		1					DRAWN BY H.S.	
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	¥	OVERSEAS TECHNIC	AL CC	OPERATIO	N AGENCY, TOKY	O JAPA	N. EXCAVATION NUMBER
	·	ELECTRIC	POWE	R DEVELO	PMENT COMPAN	ΙΫ́ '	L00 - 22
		TEST D	NSULTI	NG ENGIN	EERS )		
LOCATION	Sam	nbor Project, CAMB	JDIV. I-I WI	FEATU	ER HOLE L	UG	· · · · · · · · · · · · · · · · · · ·
		613 Km 903 N 1,403 Km	803	Dir. C		<u>ef t</u>	Bank
DETAILS OF LO	CALITY	LQO QUARRY AF	∧				
SOIL TYPE					OF EXCAVATION		מכויג מ
GEOLOGICAL	15 8 15 8	GROUP NAME	DEPTI	LOG OF	EXCAVATION		COMMENTS
DESCRIPTION	5 ₹	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE	<u> </u>	PERMEA BILITY	Na	
-	-						
SILTY	:	fine grainod, grey,		11/		T	plant roots
SAND		light- yellow.	, <u>-</u>			- `	
			0.5	-1/7			
		fine = medium grained.	_	]		_	few plant roots,
SAND		pink	`	]	-		
ing the state of		a round and flat quartz - pebbes. 3~4 cm, few.	10-	,			2 bands of laterite-
	<del> </del>		.   -	]	- · · -	1	nodules.
SILTY	] .	Bearing debris of weathered shale.		17/	-		
-CLAY -		grey – yellow,	 	11.			Bedding
		Completely decomposed	]'	[ : 	,		`strike NIO [®] E.
* * * * * * * * * * * * * * * * * * *		due to strong	ΙΞ			-	dip 10° SE
SHALE	- 1	we athering.	20-		-	_ ,	D
Ē -	1	Clayey derived from			5		Bearing sandstone
` ` `	-	decomposition of lime.	-	[:: <u>-</u>	. : .		_ boulders _
<u> </u>			25			ļ	on top and base
				Base of-	plt , 2.4 m .		of the layer.
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OLE MADE BY HAZ	7Δ ΜΆ Λ	<u> </u>		ı		 	70 1
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COMMENCED 9,		1 .				1	RAWN BY H.S
COMPLETED 10,	12,6	3				c	HECKED BY_J_L/L_

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-"-	San in Characters				n 3	40 P. C.			200	SHEET NO. 24										
	*,	_	OVERSEAS	TECHNIC	AL CO	OPERATI	ION A	GENCY, TOKY	O. JAP	EXCAVATION NUMBER										
	Ī.	-	ELI	ECTRIC	POWE	R DEVE	LOPM	ENT COMPAN	ΙΫ́	LQ 0 - 23										
		_	דר	(CO) CS-T D	NSULT	ING ENGI	NEER	S)	~~											
	LOCATION	Sam	<u>bor Project</u>	. CAME	RODIA	FEAT	URE	R HOLE L		en	CO-ORDINATES :	E(	<u> 613кт 903 м I</u>	403 кm	400			 ND		Bank
			LQO QUA				C OF	EXCAVATION		0 m-v1-5 m										
	SOIL TYPE	우성	SOIL DESCRIE	PTION .	DEPTI	1 106 (		CAVATION	<del>'</del>	T										
-	GEOLOGICAL DESCRIPTION, _	S 8	SOIL DESCRIF GROUP NA LARGEST AND SMALI	ME	OF				SAMPL	COMMENTS										
		O G	LARGEST AND SMALL	LEST SIZES	HOLE	.l	Pi	RMEA BILITY	Na	<u> </u>										
	61.77	Τ	T4	<u> </u>	<del></del>	175	4		: -											
i	SILTY SAND		fine grained.  laterite nodules	arey.	-  -	17/1	4			plant roots										
-	OAND -		rather irregularly.		┨	2	4		١.											
					0.5		1 -													
-	- 		Scattering few	black _	·  - Ξ		7 -	- `	İ											
	SILTY		unsolidified	-		110														
i	CLAŸ	- 1	l latente nod	- lules,	10-	1.11	٦			-										
	CLA1	-		l cm		1/1/	1		1											
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-	-		y el low .		1.5 —	11/1	1::		_											
						1/1/	<u>.</u>		-											
-		,	Completely wear white decomposed	thered.	-		- -		]	massive state.										
	SAND STONE		nodules, few.		20		:			Able to crush by hands.										
-			ye llowish	brown.		• • • • •			-	sond with:										
1	: -	1	~	1	25_	Base of	pìt	, 2 3 m . ·	1	some clay										
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ŀ	DLE MADE BYHAZA		- i			,			ļı	OGGED BY _ H. S										
i		2 <u>, 63</u>	_	•		•			. [0	DRAWN BY H.S.										
C	OMPLETED 9,12	. 63							c	CHECKED BY J/										

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	1.	- (-(CÔ)	SULTI	NG ENGIN	EERS )	-	
LOCATION		TEST PI	T Al	ND- AUG	ER HOLE L		
	<u></u>	m bor Project, CAM 513 km 58 3-N 1.40 3 km	DON'	T. FEATU	KE	eft	Bank
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SOIL TYPE	ALIEY.	LOO QUARRY A	KEA	_ TYPE		<del></del>	Omx15m
GEOLOGICAL	<u> </u> Š. Š.	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION	N 0	LARGEST AND SMALLEST SIZES	HOLE	. :	PERMEA BILITY	Na	
<u> </u>	т	<u> </u>	·	-		-	
SAND	- `-	fine grained	_		- 		plant roots;
		pale yellowish grey.	-	· · · · ·			
CANDY		moderate cohesive.	0.5	77.77		` :	poor tateritizanon.
SANDY	-	brownish yellow. laterite nadules to 05cm & round quartz pebbles to 3cm	] -	11/1/		1.	
SILT	-	round quartz peobles to 3cm	=	11/1		-	poor_lateritization
-	-	Mottled milk white	10 -	611.50		1 :	7. 7.2 2.4 4 4 4
SANDY		and orange yellow.					-
CLAY		with few black taterite 8 limy nodules cohesive	15 —	17/1/2		<i>=</i> .	- 1
<u> </u>	,	2:	-		- ^		Bedding obscure.
1		Completely decomposed due to weathering and					
SANDSTONE	_	able to dig by hand	20_				
		hoe.	-				
-		yellowish brown.	-		- 	_	· · · · · · · · · · · · · · · · · · ·
		•	25	• • • • •			
	-			Base of	pit, 25m	-	
			-			-	· .
	·		30—		- 1		- -
		- 3-	-			-	
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HOLE MADE BY HAZ	AMA.	<u>Co.</u>		-		]:	LOGGED BY <u>J. J.</u>
COMMENCED 11,	12, 1	53			-		DRAWN BY H.S.
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·					erie an managaritation		- FXCAVATION NUMBER
		OVERSEAS TECHNICA	AL CC	OPERATIO	N AĞENCY, TOKY	O, JAPA	AN EXCAVATION NUMBER*
	-	CON	ISULTI	ING ENGIN	EERS ) SER HOLE L		
LOCATION	Sam	<u>ibor-Project, CAMBOL</u>	OLA .	FEATU	RE	a f t	Bank
CO-ORDINATES	£ <u>6</u>	13 Km 312 N-1,403 Km	000	RLGI	ROUND	32	m 00
DETAILS OF LO	CALITY	_LOO QUARRY AR	EA -	TYPE	OF EXCAVATION		Om x L 5 m
SOIL TYPE GEOLOGICAL	OUP POP	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	6011151170
DESCRIPTION	SAS	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Nα	COMMENTS
SILTY	<del></del>	very fine grained,	<u>-                                 </u>	: · · · · · · · · · · · · · · · · · · ·			
SAND	<u>.</u>	_ greyish_brown.	-			-	plant roots :
			] - :	11/1/	_	-	
SANDY		some what - conesive .	05_	11/1/		-	few, fine plant roots
CLAY		yellowish grange.		11/1/	- <u>-</u>		·
	-	la terite nodules to tem.	10-	1777			with mund quartz pebbles 15-2 cm, in small quantity.
SILTY		Bearing black unsolidified  Laterite nodules and	=			_	
CLAY		decomposed limy nodules	<u> </u>		<u>-</u>		
		in small quantity- cohesive, yellow,	15 —		-	-	`
		completely decomposed.		<del>/ / / / / / / / / / / / / / / / / / / </del>	-		massive state.
- SAND STONE		easily crushable by hands.	20_		-		-
SANDSIONE			_				
	ļ	brown.	25_	•••••		<u> </u>	
			23 -	Base -	of pit, 24 m.	1 :	-
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HOLE MADE BY HAZ		<del>-</del>				ļ	LOGGED BY K.S
COMMENCED 10.	12, (	53					DRAWN BY H.S.
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		(, CON	ISÜĹTI	NG ENGIN	EERS ) EER HOLE L	,	
LOCATION		nbor Project, CAMBO	<u>DIA.</u>	_ FEATU	REL	eft -	Bank
1 -		13 Km 420 N:1,402 Km		_			m 00.
SOIL TYPE		LOO QUARRY AR			OF EXCAVATION	1.0	m x l.5 m
GEOLOGICAL DESCRIPTION	SYMBO	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OEPTI OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
			111222	1	-		
SILTY SAND	2 .	fine grained, pale grey,	] - <u>-</u>	171		- 2	
SANDY	*- [*] - [*]	very weak lateritization. orange vellow.	-				plant roots
SILT		laterite nodules to 0.5cm	05_				
	-	Mottled milk white	] . =	1. 12	<b>`</b>		with weathered round sandston boulders.
SILTY		and arange yellow.	10 -			:	15 - 20cm in dia
CLAY	-	with completely	-			-	·
	1.5	decomposed sandstone boulders and black			-	٠.	: -
-,		laterite nodules in a little,	1,5 —		-, -		,
		Completely decomposed due to weathering		<u> </u>		-	massive.
SAND STONE	-	brown.	2.0—		_		with few and fine plant roots.
	-		┪	Base of	pit, 2 im	·	soily state.
	-			1			-
		-	2.5 —	1	-	•	
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HOLE MADE BY HA	 7ΔΜΛ (	So. :	1	1	I	•	LOGGED BY <u>H. J.</u>
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COMPLETED 13,		·					CHECKED BY J.
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LOCATION	San	( CON	OWE I	R DEVELO NG ENGINE ND AUG	PMENT COMPAI ERS ) ER HOLE I	NY _OG	LQO - 27
 CO-ORDINATES	<u> </u>	12 Km 700 N 1,405 Km 4	147	יב היטו	,,	eft	Bank
		LQO QUARRY AR					
SOIL TYPE		<del></del>					JIII X 1, J 311
SEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	i i	PERMEA BILITY	SAMPLE Na	COMMENTS
SILTY	<del></del>	organic smell.	Γ	777	<del></del>	<del>-</del>	<u> </u>
SAND SAND		dark greyish brown. laterite nadules, to O5om,in port, unsolidified black laterite	<u>-</u>	////			plant mats
	-	nodules in alittle, pinkish,	05—	1			fine grained.
SANDY		sand grain, fine medium, white limy spots in a	=				
CLAY		little. yellowish brown.	0 -				
			15				shrinkage cracks to 15 m
		-	=				
		no coarse grains,	2.0—				
		cohesive,	-				
SILTY	-	light yellow,	25_				
CLAY			-				
			  30—				
			=				
			3.5				
			_				
		fine grained.	40		_		
SANDSTONE		yellow due to high degree of weathering.	<u>-</u>				
		or weathering,	45				
				Base of	pit, 4.5 m.		
			50—				
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LOCATION	Samt					eft	Bank
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		LOO QUARRY AREA			F EXCAVATION	1.01	m x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY		fine grained, pale grey,		1111		<u> </u>	
SAND		few laterite nodules to O5cm. yellowish brown.	] =				plant roots.
	1	laterite nodules, to 0.5cm.	-				
·		Cohesive.	_				
		Scattering few block	-				
SILTY		Laterite nodules, 03cm	10 —		•		
CLAY		in diameter,	-				
		in pale yellow	=				
		ma tri x.	15—	1///		`	,
	-	completely weathered, with	;	////	-		massive state.
SANDSTONE	'	decomposed limy seams,	20-			1	with few and fin
	ļ	2-3cm, yellow.				-	plant roo
	]		-	Base of	pit, 2 lm.		on bottom of pit.
			2.5	1	<u> </u>		Occuring Yello
			-	<u> </u>			gray weathered
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HOLE MADE BY_L		<del>'-</del>	1	1	1	'	LOGGED BY _ L

SHALE	Γ.NO.255
LOCATION SQINDOL PROject, CAMBODIA. FEATURE  CO-ORDINATES: E_613. Km_249.N1.391 Km_932. R.L. GROUND  DETAILS OF LOCALITY LO2 OUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m  SOIL TYPE GEOLOGICAL  GESCAUPION  SOIL PROSERVENCE  GEOLOGICAL  SOIL PROSERVENCE  SOIL PROSERVENCE  GEOLOGICAL  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE  SOIL PROSERVENCE	N NUMBER
DETAILS OF LOCALITY LO 2 QUARRY AREA TYPE OF EXCAVATION SOIL TYPE SOLUCICAL SOIL DESCRIPTION OF FERMEA BILITY SOLUTION SO SOIL DESCRIPTION OF FERMEA BILITY  NO DESCRIPTION OF LARGEST AND SMALLEST SIZES HOLE  SILT INTERIOR COUNTY SOIL OS SOIL STYPE.  SILT STRIP COUNTY SOIL OS SOIL STYPE.  CLAY Service requested should should be soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the soil of the s	; -, -,
SOIL TYPE GOLOGICAL GROUP HAME OF CONTROL OF EXCAVATION SAMPLE COMMENTS OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CO	
SILT larrie nodules (die, 10 O.5 cm) in yellow silt.  GLAY Bearing fragments of completally weathered shalls.  SHALE sheeted rack.  pole yellow.  15 Bose of pil, 1.7 m.  20 1.7 m.  25 1.7 m.  35 1.7 m.  50 1.7 m.	
SILT laterite rodules (dig. 10 OS cm) in yellow sit.  CLAY Bearing frogments of completely weighered sheets. pole yellow.  SHALE sheeted rock. pole yellow.  2.0	
Bearing fragments of completally weighered shole.  SHALE  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale  Shale	- <u>-</u>
CLAY shale pale yellow.    Shale   Sheeted rock.   15   Strike N 10   dip 85	
SHALE sheeted rock, pair yellow. 15	
SHALE sheeted rock, pole yellow. 15 80se of pit, 1,7 m.  20 80se of pit, 1,7 m.  30 35 40 45 50 55 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60	
pole yellow.	5 cm, 
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HOLE MADE BY HAZAMA.Co.	l. S.
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LOCATION	Son	~ ( · CON	OWER SULTING T AND	DEVELOI ENGINE AUG	PMENT COMPANY ERS.) ER. HOLE LO	•	L40 - 29
. ~		13 km 538 N 1,404 km 3					m 50
		LOO QUARRY AR					m x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBÖL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	_OF	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	-						·
	-	with a boulder, sub- angular, 20cm x10cm, greyish yellow.			; · ·	ī	plant roots.
- SAND	-	with laterite nodules to lan, round and flat pebbles	05				boulders;
SANDY SILT		of quartz and boulder.  fine plant root,  with boulders,					sandstone, sub angular, large size.
	-		"" <u> </u>	Bace of	pit, I.O m		On base of pit, occuring sandstone boulder,
	-		1.5		-	-	ye How,
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		OVERSEAS TECHNIC	POWE	r develo	PMENT COMPA	YO, JAPA NY	AN EXCAVATION NUMBER
LOCATION	Sami	TEST P	NSULTI NA TI	NG ENGIN	EERS ) SER HOLF	LOG	
		Dor Project, CAME 12 km 842 N 1,391 km			RE <u>Le</u> ROUND		ank
		LQ 2 QUARRY ARE		_			
SOIL TYPE		SOIL DESCRIPTION	DEPTI	<del></del>	EXCAVATION	<del></del>	Om x 1.5 m
GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME LARGEST AND SMALLEST SIZES	OF	1	PERMEA BILITY	SAMPLE Na.	COMMENTS
SANDY	Ţ	dark brown.		V / / / / /	<del></del>	<del></del>	
SILT		poor lateritization.	┤ :		-		Plant roots.
SILTY		_	<u> </u>	17/1	-		laterite nodules, 0.5 cm.
CLAY		duli brownish yellow.	05—				·
<del></del>	<b> </b>		┪ -	<i></i>			
_		waginw dibived*					Intercolating
SANDSTONE		Highly weathered,	10 -				decomposed firmy veinlets.
		brownish yellow.	-			ĺ	77
	<u>  </u>			••••••			Badding;
		- -	-	Bose of	pi1, 1,5 m.		strike N 10°E, dip 85°NW.
•		_	-				UIP 85 NW.
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DLE MADE BYHAZ		-		•			OGGED BY H. S.
DMMENCED 2.	12. 63	5					RAWN BYH_S
OMPLETED _3_	12. 63	3				را	HECKED BY 12 OF

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SHEET NO.257 EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN LQ 2-10 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ) TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank CO-ORDINATES . E 612 Km 666 N 1,392 Km 009 R L GROUND ___25 m DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m SOIL TYPE LOG OF EXCAVATION SOIL DESCRIPTION DEPTH SAMPLE GEOLOGICAL GROUP NAME OF COMMENTS DESCRIPTION PERMEA BILITY LARGEST AND SMALLEST SIZES SILTY vevy fine groined, grey, plant roots. SAND nadules, 03-07 cm in dia.. poorly loteritized. sedentary soil due to completely 05 weathered sundstone. Bearing few white CLAYEY Intercalating band of shale. limy soft nodules, light yellowish brown. SILT lιο to 3cm in diameter. yellow due to weathering. Intercalating shale SANDSTONE bond of Bedding; 20-Base of 1. 9 m strike N 10°E, dip 75 NW. 25 30. 35 40-5.0 55 LOGGED BY <u>H.</u> HOLE MADE BY HAZAMA.Co. COMMENCED 2 12 63 DRAWN BY H.S CHECKED BY_ COMPLETED _4 . 12 .'63

-) -	· · · · · · · · · · · · · · · · · · ·		క్షేక్ ఉంది. 2వరికేంచ్న	, , ,	· -,·		: 1 '	SHEET: NO.258
- k		_	OVERSEAS TECHNICA	L CO	OPERATION	AGENCY, TOKYO	JAP/	EXCAVATION NUMBER
	: • -	-	ELECTRIC F	OWE	R DEVELO	PMENT COMPAN	Υ -	LQ 21- LUI 1:ET
	- *-		TEST PI	SULTII T AN	NG ENGINE	ERS). ER HOLE LO	വദ	
	LOCATION	Samb	or Project CAMBOD			RE- Left		ink = ==;================================
	CO-ORDINATES	Ę_ <u>61</u>	2 Km 481 N 1392 Km	0 66	RLGR	ROUND	20	
`	DETAILS OF LO		LQ 2 QUARRY AR		TYPE C	OF EXCAVATION	10 п	n x 1.5 m
ĺ	SOIL TYPE GEOLOGICAL	3UP BOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG OF	EXCAVATION	SAMPLE	COMMENTS
	DESCRIPTION	GR(	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	Nα	COMMENTS
	-						<u> </u>	
· ·	SILT		light brown.	-				plant roots.
į		<del> </del> -		-			:	- ; -
			no coarse grain.	0.5				- :
	-		damp. cohesive.	-			-	-
		l -	dork brown.	=	1222			-
				10 -	2223			-
				_	1222	-		
	-			15	1///2	-		
	: -		somewhat sandy - poor lateritization.	_	1/2/2	-		Some laterite nodules and
· -	-		with decomposed		1///			coated with yellow
			white or yellow limy	2.0	11/1/	_		
	-		nadules.	] _	11/1	· -		diameter of nodules,
			damp	2.5				0 5 cm *
	CLAY		yellowish brown to dark grey	_	1222			
<b>.</b>				{	1///		-	
•			no coarse grain.	30—		-		-
			damp, cohesive.	-	11/11			
			dull yellow.	-				
				3.5 —	11/1/			
				_	1000			woter level, 3.75 m.
				40_	11/1/			20 Dec. ' 63
i				-	1111			i .
					Base of	pit, 4.3 m.	<del></del>	†
				45	}	,		
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			<u> </u>		~ -			SHEET NO. 259
			OVERSE 45 TECHNICA		OPERATION	I AGENCY TOVY	10120	EXCAVATION NUMBER
٠, - ـــــــــــــــــــــــــــــــــــ	1		FLECTRIC- F	PÖWE	O LKATION	PMENT COMPAN	J;JAF# Y	LQ2-12
-	`.	-	- CON	ISULTII	NG ENGINE	ERS )	-	÷ .
	100,700		TEST PI	T- AN	ND AUG	ER HOLE L	0G -	
<u> </u>		-	or Project, CAMBO			RE Lef	<u> </u>	ank
	CO-ORDINATES :	E_ <u>6</u>	12 Km 332 N 1.392 Km	089	_ RL GF	ROUND	19	m
w	DETAILS OF LOC	ALITY	LQ2 QUARRY ARE	Α :	TYPE	OF EXCAVATION	1.0	m x 1.5 m
	SOIL- TYPE-	육룡	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	
	GEOLOGICAL DESCRIPTION	GROUP	GROUP NAME	OF		PERMEA BILITY	Na	COMMENTS
		<u>0 0 0</u>	LARGEST AND SMALLEST SIZES	HOLE		LEKWEY BICITI	) NO	
<i>-</i>			<u> </u>	·	77777	<u>-</u>		
į	· · · ·	İ	no coarse grains.			-		
/ T. I. T.	-		cohesiv 1.					plant roots.
	_	ŀ	chocolate to deep brown,	lα5_		-		<u> </u>
	-	]					-	-
	· · ·			` <u> </u>				
				-	////			
	SILTY.		- Cohesive	10-				
	- CLAY		- brown	-				
-		-						-
			poor lateritization.	5 —	1///			
		-	laterite nodules, to 0,5 cm.	-				-
-				1		<u>-</u>		· · ·
_				20	////		ŀ	: -
=			cohesive, damp,	-				
	- 1		brown .	-				5
				2.5	1444			-
	:		-	=	1///			with one sandstone
				-	11/1/1			boulder, 25 cm in dia,.
	~			3.0—	11/1/			i
	CLAY		cohes∨e, damp.	-	11/1/		-	
	-		-	=	1////	-	1	
	-		brawn.	35			-	
	:		decomposed white limy materials & nodules,		11/11			with weathered debris
				1 =	Bose of	pi1, 3,7 m.	<del>                                     </del>	of sandstone.
			'		]	y , 3,7 m .		
				40	1			,
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ļ	HOLE MADE BYHAZ	AMA_	<u>Co.</u>					LOGGED BY <u>H.S.</u>
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ŀ	COMMENCED 4.	<u>12 - 6</u>	<u>3</u>					DRAWN BY H. S.

	-	e gawagi e e e e e e e e e e e e e e e e e e e			- 2	7,2	
		,		<u>-</u>	<u>-</u> 		SHEET NO.260
		( CON TEST PI	POWEF ISULTIN	R DEVELO NG ENGINI ID AUG	PMENT COMPAN' EERS ) ER HOLE LI	Y OG	L4 2 10 1
LOCATION		bor Project, CAMBOI		_			
CO-ORDINATES DETAILS OF LOC		13 Km 349 N 1,391 Km LQ2 QUARRY ARE			OF EXCAVATION		.Om x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION		SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES		LOG OF	EXCAVATION PERMEA BILITY	SAMPLE Na	
SANDY	7	fine grained, pale grey-	Τ	////		<u> </u>	few laterite nodules 0 2cm
		block unsolidified	_				
SILTY _		toterite nodules, 0.4 cm, & completely decomposed sandstone debris. Motted yellow & pole gray.	0.5				
		Completely weathered.	10-				-
SANDSTONE		Sandstone is decomposed		EEX	•		-
&		to compact solly state.  decomposed calcute	_ =	E.J)			Interculating sheeted
SHALE		veinlets develop.	15 —				shale, 25 cm thick.  Bedding:
		yellowish brown.					strika N IO°E, dip 80°SE.
			20—	Base of	pit, 1,9 m.		uip 80 Sc.
			=	}			-
			25_		_		
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		-	3.5 —	1			
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			65—	1			
							7. 4
HOLE MADE BY HA	ZAMA.	<u>.Co.</u>					LOGGED BY H. S.
COMMENCED 18	. Dec.,	<u>'63</u>					DRAWN BYH_S
COMPLETED 20,	Dec,	<u>63</u>				:	CHECKED BY_14_8_

EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN LQ 2 - 14 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ) TEST PIT AND AUGER HOLE LOG LOCATION <u>Sambor Project, CAMBODIA.</u> FEATURE <u>Left Bank</u> CO-ORDINATES . E 613 Km 142 N 1.391 KM 805 R L GROUND 31 M DETAILS OF LOCALITY LOZ QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m SOIL TYPE SOIL DESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE GEOLOGICAL GROUP NAME COMMENTS ΩF DESCRIPTION PERMEA BILITY Nα LARGEST AND SMALLEST SIZES HOLE SILTY poorly lateritized. plant roots. SAND pale yellow. no coorse grains. with completely SANDY sand, medium grained, weathered sandstone cohesive. CLAY boulders in dopple. Completely decomposed due to weathering mossive medium grained, SANDSTONE residual boulders compact. yellow. in some port, 1.5 pit, 1.4 m. 2.0--25. l30-3.5 40-45. 50-55 -60---165-LOGGED BY .... HOLE MADE BY HAZAMA . Co. DRAWN BY __H. S. COMMENCED 18, 12, 63 CHECKED BY_194 COMPLETED _19 , 12 , 63

= =		OVERSEAS TECHNICA					N - LO 2 - 15
-		( CON	SULTIN	G ENGINE			- EG 2 13 ·
-		or Project, CAMB	<u>ODIA</u>	FEATUR		<u>B</u>	
	ALITY	2 Km 962 N -1,391 Km LQ2 QUARRY AR				27 	m .o ^m x 1.5 ^m
OIL TYPE EOLOGICAL ESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	LOG OF	PERMEA BILITY	SAMPLE Na	COMMENTS
SILT	•	no coarse grains.	T -		- <i>5</i> :		
SANDY		dark grey+ with weathered - sandstone boulder, 15 cm in dia++	0.5		· 		plant _ raots + 
CLAY		cohesive desp grey			- :	-	slightly laterifized.
ANDSTONE		Almost decomposed,	0-		<u> </u>		
& SHLE		-		X//	-		
	- -		1.5 —	Bose of	pit , 1,5 m	-	Intercalating weathered shale, 15 cm thick-
			20				Bedding; strike N 15° E.
			25_				dip 90°•
			3.0				
			35 —			-	
			40_	=			
			-		<u> </u>		
			45 <u> </u>			ļ	
			50-				
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			55				
			60				
			6.5				

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		OVERSEAS TECHNICA	L COC	PERATION	AGENCY, TOKYO	, JAPAI	EXCAVATION NUMBER
_: *-	-	ELECTRIC P	OWER	DEVELOP	MENT COMPÁNY		LW Z - 10
		TEST PI	SULIIN T- AN	IG ENGINE	R HOLE LO	G -	
		bor Project, CAMBO	DIA.	FEATUR	E <u>Lef</u>	Bo	
ORDINATES -	E6	12 Km 705 N 1,391 Km	859	R L GR	םאטם		<u>n -                                   </u>
		LQ 2 QUARRY AF				l - I	0 m x 1.5 m
IL TYPE OLOGICAL SCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE	LOG OF	PERMEA BILITY	SAMPLE No	COMMENTS
		<u> </u>		<del>'7777</del> 1	· · ·	<del>,</del> ,	<b>&gt;</b> -
AYEY SILT		organic smell. grey.	_				plant roots.
-	-		-				
·		laterite nodules, 0 4 cm.	0.5		· -		fine plant roots.
SILTY		dark grey+	] =				poor lateritization,
CLAY		Bearing completely	], _o				with one round
-		weathered debris and			-	-	quartz pebbie, 25 cm.
		fragments of shale and	_ =				
	ļ	sandstone damp. yellowish brown-	15 —			-	
HALE &	,	Completely weathered,	] ₋		· -	-	Bedding; obscure.
ANDSTONE		damp cohesive.	20-				
-		-	- "	Base of	pi1, 2.0 m.	1.	
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DLE MADE BY HA							DRAWN BY _ H. S.
DMMENCED 24							IDRAWN BY IN C.

	<u>-</u>	( CON	POWER	R DEVELO	PMENT COMPAN	Ý	N LQ 2 - 17
LOCATION	Samb	or Project, CAMBO				Ba	nk
CO-ORDINATES	Ę <u>6</u>	13 Km 070 N 1,391 Km	682	R.L. GF	ROUND	29	m -
		LQ 2 QUARRY ARE			OF EXCAVATION	٥. ١	) m x 1.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	G R OUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
SANDY	<del>                                     </del>	fine grained. dark grey,	Ι_	//-//	· · · · · · · · · · · · · · · · · · ·	-	
SILT		laterite nodule to Q5 cm	-			দ্ব	- tateritization+
SANDY		and weathened sandstone	0.5				weak lateritization.
CLAY		debris. yellow. weathered sandstone &	0.5 -		- ,	48	
		shale fragments or debris.	=	11/1/	5		
SANDSTONE	<del> </del>	Highly weathered.	lo		- '	1	
g SHALE	-	grey ~ brown-	- - -	Base of	pit. I.lm	+	Intercologing -
			-			}	weathered shale, - 25 cm thick.
		- · · · · · · · · · · · · · · · · · · ·	15	1	-		
			=	1.			-
			1 =		,	1	
			20		_		plant roots reach
		_	-	}			to base of pit.
			ļ, <u> </u>			_	-
		·	25—				-
			-	]			-
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OLE MADE BY HA							LOGGED BY H. S.
OMMENCED <u>20</u>	12.6	<u>33</u>					DRAWN BYH.S
COMPLETED 23.	. 12,'6	33					CHECKED BY 19

		( CON TEST PI bor Project, CAMBO	POWE ISULTI T AN ODIA	R DEVELO NG ENGINE ND AUG FEATUI	PMENT COMPAN EERS ) ER HOLE L	Y OG † Ba	LU 2 - 18
	-	12 Km 834 N 1,391 Km	705	_ RL. GF	ROUND	24	
		LQ 2 QUARRY AREA		<del>-</del>	OF EXCAVATION	1.	o ^m x l.5 m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME. LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG	PERMEA BILITY	SAMPLE - Na	COMMENTS
					-	-	
SILTY		no coarse grains.	<u>-</u>			] -	plant roots.
CLAY		dark grey,	0.5_			1	
-	-	Completely decomposed	=			49	shale debris; completely
		due to weathering, with much debris of shale.	10 —		-	1	d ecomposed.
SHALE		in SILTY CLAY, damp Highly weathered,	_				sheeted. Bedding;
	~	ctayey, yellow,	I.5		1		strike N 10°E
:			] -	Base	of pit, 1.6 m		dip 80° NW.
	_		2.0	- :			
							<u>-</u> †
			25	-			
			<del>-</del>				:
· -	-		3.0				-
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	-		3.5				-
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			65—				
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NE -	JV - 3	OVERSEAS TECHNICA	L CO	OPERATIO	V AGENCY, TOKYC	ĴJĀΡΔ	N EXCAVATION NUMBER
		ELECTRIC F	OWER	R DEVELO	PMENT COMPANY		"\" LQ.2\" - 19 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
-	:	( CON TEST PI	ISULTIN T <b>AN</b>	NG ENGINE	EERS ) SER HOLE LO	og -	
		<u>bor Project, CAMBO</u>	<u> </u>	FEATU		t Bo	<u>ınk</u>
		13 Km 384 N 1,391 Km		~	-	28	
DETAILS OF LOC SOIL TYPE	· · · · ·	LQ 2 QUARRY ARE	T		OF EXCAVATION	1.0	) ^m x 1.5 ^m
GEOLOGICAL.	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME	OF	- LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
DESCRIPTION	ଓ ହ	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>		ivu.	<u> </u>
CUT		fine grained, spatting few		77.55	<u> </u>	<u></u>	organic smell.
SILT	<b> </b>	yetlow particles in dark.  laterite nodules to 02cm	-		-		plant roots.
SILTY		and a round quartz pebble,	0.5		-		very weak lateritization.
- CLAY		cohesive, with small frag- ments of weathered shale.	=	177	~ ~		few plant roots.
		yellow to grey.  Completely weathered and	=		Ì		100 91011 100101
SHALE		clayey in some part.	10 -			-	Bedding spacing, 1-3 cm.
		gicy is yen sur	1	Base	of pit, 1,2m.		-
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HOLE MADE BY HAT							LOGGED BY H. S.
COMMENCED 20.		1					DRAWN BY H. S.
COMPLETED 21.	12, €	<u>3</u>					CHECKED BY 14. B.

	* E = -2	the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th		<u> </u>	<u>1915, da kir</u>	3	SHEET NO. 267
~ <del>~</del>		OVERSEAS TECHNICA	ŢĽ, ÇO	OPERATIÓ	AGENCY, TOKY	)ΙΔ <b>Ρ</b> Δ	EXCAVATION NUMBER
	= : 	S SECTION !	Cite	· DEVED	LIMITIAL COMMENSA	Υ'	LQ.2 - 20
[	- 1 - 2	TECT D	JŠÚLTII	NG-ENGIN	ERS )	~	
LOCATION	San	ibor Project, CAME		ND AUG	ER HOLE L	UG .	
1 ₄				- "		<u>† 8</u>	
		13 Km 172 N 1,391 Km		- \		29_	
		LQ2 QUARRY AREA			OF EXCAVATION	<u> </u>	o ^m x 1.5 ^m
SOIL-TYPE - GEOLOGICAL -	울혈	SOIL DESCRIPTION GROUP, NAME LARGEST AND SMALLEST SIZES	DEPTH	-"LOG- OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION -	88	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	∑ Nα	COMMENTS.
	= .		-		~ <u>.</u>		
SILTY	:	fine grained, yellow.	· _	1/1/2			plant raots.
SAND. - SANDY -		with completely weathered			*		
CLAY	-	debris of sandstane,	-	///	* <u>-</u> _	]	no coarse grains.
SANDSTONE		Completely weathered &	0.5	<u> </u>	-	:	Interculating weathered -
8 SHALE		decomposed.	-		<u>-</u>	-	shale 10cm thick in
	-	yellow to pale grey.	[ =	]			sandy soil derived -
	-	;	10-	Bose	of pit I.Om.		from sandstone.
- ` -			-	1			Bedding:
	_		l =	}			strike NIO°E
	<u> </u>	<b>∤</b> i.	·]I.5 —	]	-	-	dip 90°
			l :	] -	-	1	
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I .	I	.1	1	1	1	1	LOGGED BY JL. S.

							EYCAMATION MUMARIC
-		OVERSEAS TECHNICA					N, LQ 2-21
•	=				PMENT COMPAN	Y	
				NG ENGINE	ERS ) ER HOLE L	06	= ,
LOCATION S	Samh	or Project, CAMBO	ι Αιν DIΔ	FEATUR		eft E	Bank:
		<u>13 кm ОЗ5 и 1,391 кm</u>			ROUND	27	
		LO2 QUARRY AREA	<u> </u>	· -	OF EXCAVATION		o ^m x 1.5 ^m
SOIL TYPE				_		<u></u>	0''' X 1. 5 '''
GEOLOGICAL	98	SOIL DESCRIPTION GROUP NAME	DEPTH OF	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION	SA	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILITY	No	
		:		- :		-	
SILTY		fine grained, greyish yellow,		1747	Ξ.	-	plant roots.
SAND	ļ	yellow.	_	11/12			-
SANDY SILT	· ·	Scattered small sized	05-	22			with few well rounded
3161		faterite nodules, 0.3 cm	U3	1//	-		quartz pebbles, to 1,5cm.
		Sandstone becomes to					Intercolating
SANDSTONE	~	sandy soil, and	l =				weathered shale,
1		shale remains original	10 —			-	10 cm thick. Bedding;
& SHALE		state, in situ.	-		-		strike N 5°E,
JUNEE			_ =		-	İ	dip 90°.
		yellow to yellowish grey	15 —		*	:	sandstone - boulders -
	<del>                                     </del>		-			<del> </del>	on base of pit.
				- Base	of pit, 1.7 m.	-	: -
-			2.0		-		
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HOLE MADE BY HA	ZAMA	<u>.Co.</u>					LOGGED BY H. S.
COMMENCED 18.	12. '6	33					DRAWN BY H. S.
COMBLETED 19		j					CHECKED BY 14-8.

			. " = '	- #		, j. T	SHEET NO 269
	, ,	OVERSEAS TECHNICA				-7	N EXCAVATION NUMBER
-				NG ENGINE	PMENT COMPANY (ERS ⁻ )	ſ	
		TEST PI	T: AN	ID AUG	ER HOLE LO		
		or Projeect, CAMBO 13 km 292 N 1,391 km				ft B	
		LQ2 QUARRY AREA		-	ROUND	<u>28</u>	m X 1.5 m
SOIL TYPE		SOIL DESCRIPTION	DEPTH		EXCAVATION	SAMPLE	
GEOLOGICAL DESCRIPTION	GROUP SYMBOL	GROUP NAME LARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	No.	COMMENTS
	ဗ	LARGEST AND SMALLEST SIZES	INOLE	J	<del>-</del>	<u> </u>	
SAND	-	very fine grained, pale grey	T	v	-	Ţ	plant roots.
SANDY		very few toterite nadules	1 :	7.7.17	-	-: '	
SILT		03cm & small rounded quartz peobles.	Q5.	1.41		-	-
SANDY	•	with completely weathered sandstane debris.		1/12		-	` .
CLAY		cohesive, yellowish brown,	- =	122	_	1	-
<del></del> <del></del>		Completely decomposed.	10-	KY/P		-	· :
CANDOTONE		due to weathering, and	=	18/2	-	-	
SANDSTONE		soil	15	::X <u>/</u> :		:	
-		- brown,				-	sandstone; medium grained, massive.
		-	20_	Base	of pit, I.B m		
- : :	- ا		20_	];-	-		
			-	1	ļ		
			2.5_	1	_		-
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		:	3.5 —	<u> </u>	-		
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HOLE MADE BY HA							LOGGED BY H.
COMMENCED 19.	12.	63					DRAWN BY H.S. CHECKED BY 14 A.

, .		- <u>-</u> -	OVERSEAS TECHNICA	AL C	OOPERATIO	N AGENCY, TOKY	O JAPA	SHEET NO.270  EXCAVATION NUMBER
	LOCATION	Sam	ELECTRIC (	POWE NSULT  T A	R DEVELO ING ENGIN ND AUG	DPMENT COMPAN IEERS ) GER HOLF L	Ϋ́ Ο <b>G</b>	
			13 кm 167 N 1,391 кm		<del></del>	ROUND	25	
			LO 2 QUARRY AR	<u>EA</u>		OF EXCAVATION		n 1.5 ^m
	SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTI OF HOLE	1	PERMEA BILITY	SAMPLE No.	T
ŀ	SILTY			т	<del></del>	T		
	SAND		fine grouned, groy,	], :	1			plant roots.
ł		<del>                                     </del>	few laterite nodules, 0.3 cm.	ļ. <u>-</u>				-
	SANDY		few latarite nodules and decomposed small limy nodules, dull yellow.	Q5		-		
			few laterite nodules and weathered sandstone debris,	10-				with white limy nodules
۱	CLAY		StriPed yellow in greyish brown matrix. cohesive.	] -	-	-		to O.2cm,
		-	with weathered shale fragments.	15 —				- <u>-</u>
		_	Highly weathered.	_ =				-
l			friable, Easily becomes	20	1			Bedding spacing 1-2 cm,
١	SHALE		cubic small fragments,	-	· ·			strike N 10°E,
ļ	JHALL		slightly damp, Joints and beddings" rane -	2.5	ļ ·	-		dip 80 SE.
l			stained to black.	=	] :			:
			greyish yellow.	-	1			• -
ſ				30— -	Base	of pit, 3.0 m		
l			•	] =	-			
				3.5	. :			•
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H	OLE MADE BY HAZ	AMAC	0.				[	OGGED BY H. S.
cc	MMENCED 20,1	2. 6	3					RAWN BY H. S.
c	OMPLETED 23, I	2. 63	3					HECKED BY 14 B.

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					SHEET NO.27 I
	OVERSEAS TECHNICA	AL COOPERATIO	N AGENCY, TOKY	O. JAPA	<del> </del>
LOCATION San	( CON TEST PI	ISULTING ENGIN T-AND-AUG	EERS ) SFR HOLF L	 OG	
CO-ORDINATES E 6	nbor Project, CAMBO	067 RL G	ROUND	<u>eft-</u> 31.	
DETAILS OF LOCALITY	LQ2 QUARRY AF	REATYPE	OF EXCAVATION		o ^m x 1.5 ^m
GEOLOGICAL DESCRIPTION 25 S	SOIL DESCRIPTION- GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH LOG OF OF HOLE	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	sand grains, very fine •	1	<u> </u>		
SAND	somewhat silty, grey,		## <b>.</b>		plant roots
SILTY	laterite nodules to 0 6 cm Lateritized materials are coated with time.	05	- 	(Caraca)	lateritized malerials.
CLAT	yellowish brown. black and soft lateritized	10 - 1///	- -	50	size. 04-2 cm.
CLAY	spots in yellow matrix.	(.5	- - <u>-</u>	-	-
SHALE	Interculating clayey materials on bedding		 		Bedding spacing 3-5 cm.
	grey stains yellow.	20	pit, 2.1 m,		strike. N10°W, dip 35°NE.
		25			somewhal damp
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		60			-
		55			•
HOLE MADE BY HAZAMAC	1	ļļ	Ì	-	ogged by H. S.
COMMENCED 17.12.63				E	PRAWN BY H . S.

SHEET, NO. 272

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS )
TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank-CO-ORDINATES: E 613 Km 484N 1,392 Km 179 R L GROUND DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION SOIL TYPE GEOLOGICAL SOIL - DESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE GROUP NAME COMMENTS OF PERMEA BILITY Nα DESCRIPTION HOLE LARGEST AND SMALLEST SIZES SILTY na coarse grained. CLAY dark greyish brown. plant roots. laterite nodules, 05 cm, CLAY yellow - greyish brown. Completely weathered and few fine plant roots. friable Each particles shows 05-15cm cubic. lο SHALE yellow. Bedding; flighty weathered. 15 strike N 10° W, jointed.yellow. dip 70 NE. Base of prt, 1.7 m. sheeting spacing, l2.0-05 -15 cm in common. 25. 3.0 3.5 40-45 50-55 -60 6.5 LOGGED BY H. HOLE MADE BY HAZAMACO. DRAWN BY H.S. COMMENCED 20.12.63 CHECKED BY_14.0 COMPLETED 21.12. 63

		OVERSEAS TECHNICA	ŽĽ CO	OPERATION	AGENCY, TOKY	), JAPA	IN. LQ2-26
-			ISULTII	VG ENGINI	PMENT COMPAN'		,, 20
LOCATION -	Sami	TFST PI	ΤΔΝ	ID ALIG	ER HOLE LO		<del></del> - ,
CO-OBBINATES	SUIIII	or Project, CAMB	<u> </u>	FEATU		<u>it B</u>	
		12 km 888 N 1,3 92 km				28	
SOIL TYPE		LO2 QUARRY AR			OF EXCAVATION	<del></del>	1.0 ^m × 1.5 ^m
GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE		EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
SANDY	··	very fine grained, with few		(			-
SILT		laterite nodules O.3cm.dark grey,		<u> 1992.</u>			plant roots
		Highly weathered & jointed.	-				with few plant roots.
-		or closely sheeted. Each particles forms 0.5-	0.5				, -
SHALE		2cm in cubic, yellow,	<u>-</u>				
		we of hered sheeted.					Bedding spacing
•		clayey an part.	10 —		,		I - 3 cm
•	-	grey — yellow.	-	Base	of pii, l. 2 m.	<del>                                     </del>	strike NIO°E.
-			1.5 —	0086	νιι, ι. & π.		dip 75°SE
			" -	:			
		•	-				uneasy to dia
			20-		-		by hand hoe.
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IN CHARGO DE LIA	70000	Ţ	!		!	•	LOGGED BY H. S.
OLE MADE BY HA	LAIVIA	<u>.o.</u>				- 1	LOGGED BY AL. B.

	:		POWE		PMENT COMPANY		N LQ 2 - 27
LOCATION		TEST P	IT AN	ND AUG	ER HOLE LO		
		ibor <u>Project, CAMB</u> 12 km 733 n l 392 km				25	Bank
		LQ 2 QUARRY AF			OF EXCAVATION		0 ^m x 1.5 ^m
SOIL TYPE				_			
GEOLOGICAL DESCRIPTION	G ROL SYMB	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF S HOLE-	200 01	PERMEA BILITY	SAMPLE No	COMMENTS
	-	-				-	<u> </u>
SILTY SAND	-	fine grained, grey.	-	1///			plant roots.
		laterite nodules, subangular,	7 -	17:10	<u>-</u>	-	1
SILTY		to Icm.	05—				
CLAY		with weathered debris of sandstone and shale, in plenty, grey—yellow.		100	_	-	: - · ·
SANDSTONE		Completely decomposed	10-	K.		<b>!</b>	·
		due to weathering, - yellow,	-	<u> </u>			Intercalating weathered
8 SHALE.		yenda,		<del></del>		<u> </u>	shale, 5cm thick.
-		-	15 —	Bose	of pit, 1,3 m.	-	Bedding ;
-			-	1	_		strike NIO°E,
		- :		] .			dip 80°NW.
		• .	20—	1 :		-	· ·
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HOLE MADE BY HAT	ΔΜΔ (	to I					LOGGED BY H. S.

EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. LQ 2- 28 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS ).
TEST PIT AND AUGER HOLE LOG Sambor Project, CAMBODIA. FEATURE Left Bank -CO-ORDINATES: E 613 Km 257 N 1,392 Km 306 R.L. GROUND 30 m DETAILS OF LOCALITY LOZ QUARRY AREA TYPE OF EXCAVATION <u>1.0^m x1.5 ^m</u> SOIL- DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES SOIL TYPE DEPTH LOG OF EXCAVATION SAMPLE GEOLOGICAL OF COMMENTS 1 DESCRIPTION PERMEA BILITY Nα HOLE fine tomedium grain, with few SILTY laterite nodule, 0 3cm. plant roots. pink - pinkish yellow. SAND laterite nodules, 0 3 — 1cm, in plenty. loteritization. with black unsolidified laterite nodules, to 0 5 cm. weak-lateritization, SANDY Bearing small fragments 10 CLAY. of shale, yellow. Completely weathered, 8 decomposed. SILTSTONE Able to dig by hand hoe. Bedding; & SHALE with few fine plant roots. N 60 ° W, strike yellow. 20-60° NE. of pit, 2.3 m. 30 50 55 6.0-65 LOGGED BY <u>H.</u> HOLE MADE BY HAZAMACO. COMMENCED 21. 12. 63 DRAWN BY _ H . S. COMPLETED <u>25. 12. 63</u> CHECKED BY_14_18

		( CON TEST Pl por Project, CAMB	OWER SULTIN T AN ODIA	DEVELORING ENGINE D AUG	PMENT COMPANIERS ) ER HOLE LI	y : OG <u>ft !</u>	LQ 2-29 Bank
		13 km 191 N 1.392 km 3	-	-	-	· 30	. o ^m x 1,5 ^m
SOIL TYPE GEOLOGICAL DESCRIPTION					EXCAVATION PERMEA BILITY	SAMPLE No.	
SILTY SAND		fine grained grey,		1117			plant roots,
SILTY CLAY		laterite nodules, 3cm thick. with laterite and white limy nodules, dult brown.					nodules in small quantity
SANDY CLAY		unsolidified black laterite nodules, in small quantity, yellow,	05—				
		Completely decomposed due to weathering.	10 -				
SANDSTONE		compact. Able to dig by hand hoe.	15				massive state.  tine to medium
		light brown,					graned, cohesive in powder.
	<u>-</u>		2.0	Base	of pit, 2.0 m.		
-		-	25			į	
•			3.0				
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			65—				

SHEET NO 277

		OVERSEAS TECHNICA	AL CO	OPERATION	N AGENCY. TOKYO	JAPA	N EXCAVATION NUMBER
<u>                                     </u>		ELECTRIC F	POWER	R DEVELO	PMENT COMPAN		" L02 - 30
		( CON	ISULTII	NG ENGINE	EERS )	: .	-
LOCATION	Sam	bor Project, CAMB	ገ An Δίαο	NU AUG	ER HOLE-LO	JG _ ft E	
		13 km 177 N 1,3 92 km				27	
		LQ 2 QUARRY ARE		_	OF EXCAVATION		1.0 ^m x 1.5 ^m
SOIL TYPE							
GEOLOGICAL DESCRIPTION	GROUP	-GROUP NAME	OF-	200 0	PERMEA BILITY	SAMPLE	COMMENTS
DESCRIPTION	0 0	LARGEST AND SMALLEST SIZES	HOLE		PERMEA BILLIT	No	
-	Ι	i ,		·   <del></del>			·
SAND		fine grained, , light pink,	_		_		plant roots.
	<del> </del>	sandstone debris.	1 -	1///		١,	Completely weathered,
SANDY	İ	fine groined sand.	0.5	1111			
CLAY		yellow – light pink.	-	11/1			
		no coarse grains.	1 =	1111			
SILTY		yellow-light brown.	<u> </u>				
CLAY		with black unsolidified	-	11/1/			
CLAT		laterite nodules, to lom.	15	1///			·
		light yellow—grey.	-				
0.110.000.00		Completely weathered.	-	• • • • • • •			m 0 ss (ve.
SANDSTONE		Able to dig by hand hoe. clayey self, pale yellow,	2.0				somewhat cohesive
`	<u> </u>		┤ ̄ -				in powder,
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COMPLETED 28.	12. 6	3				ļ	CHECKED BY 14-8.

ELECTRIC POWER DEVELOPMENT COMPANY  TO CONSULTING ENGINEERS  LOCATION Sambor Project, CAM BOOLD, FEATURE LETT BOOK.  CO-ORDINATES: E. 613 km. 0.70 M.339 km. 380. R. GROUND 25 m.  DETAILS OF LOCALITY LO.2. QUARRY AREA TYPE OF EXCAVATION 1.0 m. X.1.5 m.  DETAILS OF LOCALITY LO.2. QUARRY AREA TYPE OF EXCAVATION 1.0 m. X.1.5 m.  SOIL TYPE OF EXCAVATION 1.0 m. X.1.5 m.  ESCRIPTION 25 G. LARGEST AND SMALLEST SIZES HOLE  STAND Treatment of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the standard of the stand			ōy	ERSE 4S	-TECHNIC	AL, CO	OPERATIO	N AGENCY, TOKY	D, UAPA	EXCAVATION NU	
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SILTSAND    lew laterate modales, OSCM.		99	SOIL	DESCRI	PTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	COLUENZO	
SILTSAND    lew laterate modales, OSCM.	DESCRIPTION	S3 €	LARGEST	AND SMA	LLEST SIZES	HOLE		PERMEA BILITY	-No	COMMENTS	
SAND  degree of weathering, 0.5  SILTSTONE  Base of pit, 0.7 m.  10  Base of pit, 0.7 m.  10  25  30  35  35  40  40  45  50  60  60  60  60  60  60  60  60  6	EUTV -	·				-			-	4 - 2	
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SILTSTONE  Base of pil, 0.7 m.  10—  15—  20—  25—  30—  35—  40—  45—  60—	-		l			] =				few fine plant r	oots.
Bose of pit, 0.7 m.  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10 —  10			degree	of wed	thering,	0.5					
10—  dip. 80° Nw.  spacing,  0 5 - 2 cm.  25—  30—  40—  45—  55—  60—	SILTSTONE	-			<u> </u>	<del> </del>			<u> </u>	sheeted. Beddin	g;
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LOCATION	Samt	i÷ ( con	IL COI POWER ISULTII T'AN	R DEVELONG ENGINE	PMENT COMPAN EERS ) ER HOLE LI	Y OG	EXCAVATION NUMBER LQ2-32
		512 km 905 N 1,392 km 3				26	
DETAILS OF LOC	ÂLİTY.	LQ 2 QUARRY ARE	Α	TYPE	OF EXCAVATION		.0 ^m x 1.5 ^m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF.	LOG OF	EXCAVATION PERMEA BILITY	Sample No.	COMMENTS
T. T. 1-1 "F. 1" .				;		J	
, , , , , , , , , , , , , , , , , , ,		Hardly weathered & jointed frable, each particles into 0.5 -1cm in cubic.			 	-	plant-roots.
SHALE	-	pale yellow; weathered, clayey in part, uneasity to	0.5			-	Bedding;
	-	dig by hand hoe. yellow.	-		- 7	·	dip 70°SE.
			_	Base	of pit, 1.0 m.	•	0.5 - 2 cm.
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				NG ENGINI JD ALIG	EERS ) ER HOLE L	06 ·	
LOCATION	Samb	or Project, CAMB				<u>eft</u>	Bank
CO-ORDINATES:	₹ <u>6</u>	15 Km 53 N 1384 Km 8	31	_ R.L GI	ROUND		m 10
DETAILS OF LOC		LQ 3 QUARRY A	REA	TYPE	OF EXCAVATION		.0 ^m x 1.5 ^m
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	· .	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
	<u>10 01</u>	LARGEST AND SMALLEST SIZES	Inore	<u> </u>		1	-
SILTY		fine grained, dark brown.	Ι _	11/1	-	T	Plant roots.
SAND	ļ	laterite nodules, 05 cm.	-				with few round quartz peobles, I = 4 cm.
		Bearing few shale debris,	05_	1111			:
CLAYEY	-	decomposed	-	11/1	-		
SAND		limy nodules. - and patches.		11/1			
		brown 10 chocolate.	10-	11/1/	-		
	<del> </del> -	Highly weathered, with	] =			ŀ	
LIME		limy nodules, 1.5 cm			-		
ONGLOMERATE	<b> </b>	wea thered, but sound,	1.5 —	PT-I			-
DNOLDMERAIE		chocol ate	=		-		cloyey.
		-	1 '=	Basa	of pit, 1.8 m		massive and compact; -
		-	20	3036	or pir, 1.0 m		pebble size; rather
-			-	1			small. Some parts
			25		-		snow granule facies.
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OLE MADE BY HA	7 A M A	<u></u>	•	•	•	•	LOGGED BY H. S.
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COMPLETED 18,1	2, 6.	3					CHECKED BY 7. 14

EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. LQ 2 - 33 ELECTRIC POWER DEVELOPMENT COMPANY TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank 25 m CO-ORDINATES . E 612 Km 729 N 1,392 Km 283 R L, GROUND 1.0^m x 1.5^m DETAILS OF LOCALITY LO 2 QUARRY AREA. TYPE OF EXCAVATION SOIL TYPE SOIL DESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE GEOLOGICAL _GROUP NAME OF COMMENTS DESCRIPTION PERMEA BILITY Nα LARGEST AND SMALLEST SIZES HOLE SILTY SAND laterite nodules to O8 cm, in pant, yellowoish brown. SANDY - laterite nodules to 05cm, plant roots. in part fine grained -cLAY 0.5 sand, dark brown. Bearing weathered & SILTY decomposed sandstone CLAY debris, yellowish_brown. SHALE & Highly weathered. Bedding: SANDSTONE yellow, strike N 50 W of pit, 1.3 m. -60° WE. Bose dıp 15 shale; sheeted & sandstone; remains 20 original feature & 30 40 50 55 60 165 HOLE MADE BY HAZAMACO LOGGED BY COMMENCED 23.12.63 DRAWN BY H.S. CHECKED BY 14. COMPLETED 23. 12.63

LOCATION	Sam	( CON TEST PI bor Project, CAMBOD	POWEI VSULTI TAN	R DEVELO NG ENGINI ND AUG FEATU	PMENT COMPAN EERS ) GER HOLE LI RE LE	۱ OG att "B	LQ 3 – 2
		15 km 00 N 1384 Km LQ3 QUARRY AF			ROUND	30	m 50
SOIL TYPE GEOLOGICAL DESCRIPTION	NBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF	LOG OF	EXCAVATION PERMÈA BILITY	SAMPLE Na	<del></del>
SAND		fine grained. orange — yellaw,	] -				plant roots.
SILTY CL AY		weak lateritization.  Mottled aronge and pale grey, cohesive.	05_				well round quartz pebbles, 1 →4 cm.
CLAYEY SAND		completely decomposed sandstone debris, yellow.	=				
SANDSTONE		medium – coarse grained. Highly weathared, slightly clayey, purple	10 -				massive. Bedding ;
		-	15 —	Base	of pit, 1.8 m.		strike N30°N, dip. 10°SW?
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OLE MADE BY HA	7 A M A	col					LOGGED BY H. S.

EXCAVATION NUMBER OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN LQ 3 - 3 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS )
TEST PIT AND AUGER HOLE LOG LOCATION Sambor Project, CAMBODIA. FEATURE Bank Left CO-ORDINATES: E 614 Km 50 N 1383 KM 93 R L GROUND 33 m 50 1.0^m x 1.5 ^m DETAILS OF LOCALITY LOS QUARRY AREA. TYPE OF EXCAVATION SOIL TYPE GEOLOGICAL SOIL DESCRIPTION DEPTH LOG OF EXCAVATION SAMPLE GROUP NAME OF COMMENTS DESCRIPTION PERMEA BILITY Nα LARGEST AND SMALLEST SIZES HOLE SILTY SAND fine grained, dark brown. plant root, few laterite nodules, to 0.5cm and round peobles round pebbles; quartz, CLAY cohesive. reddish brown. 2 - 4 cm, rother flot. fine plant roots. somewhat weathered, sound. SANDSTONE medium grained. dark Bedding ; ofpit,0.8 m. strike N 10°W, 10 20- 50 SW. dlp Joints; spacing 25-40 cm. t 5 strike N 70°E, 900. dip 20 30 35 50 55 60 HOLE MADE BY HAZAMA CO. LOGGED BY_ DRAWN BY H. S. COMMENCED 16, 12, 63 COMPLETED 16, 12, 63 CHECKED BY_

CO-ORDINATES .	€_ <u>6</u>	( CON TEST PI nbor Project, CAMB 13 km 90 n 1384 km	POWER ISULTING T AND ODIA.	DEVELO ENGINI AUG FEATUI R.L GE	PMENT COMPAN EERS ) ER HOLE LO RE LOUND	Y OG iff 1 30	3ank .
DETAILS OF LOC SOIL TYPE		LO3 QUARRY AR				<u> </u>	2"' X 1.5""
GEOLOGICAL DESCRIPTION	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	OF	LOG OF	PERMEA BILITY	SAMPLE Na	COMMENTS
CLAY		silistone fragments in small quantity, cohesive, reddish brown.			-		plant roots.
SILTSTONE		wearhered, sownd, chocolate to purple,	0.5			-	massive, jointed.
-		-	1 =	Base of	pit, 0.6 m.	<u> </u>	
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		( con TEST Pl or Project, CAMBC	POWER ISULTIN T AN DIA.	DEVELOR  G ENGINE  D AUG  FEATUR	PMENT COMPAN ERS ) ER HOLE LO RELeft	r DG Bo	ink
		15 Km 62 N 1384 Km			ROUND		m 00
DETAILS OF LO	CALITY	LQ3 QUARRY AF	REA.	TYPE (	OF EXCAVATION	1.0	o ^m x 1.5 ^m
SOIL TYPE GEOLOGICAL DESCRIPTION		SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES			EXCAVATION _ PERMEA BILITY	SAMPLE No.	COMMENTS
SAND	-   -	laterite nodules, 03cm & round quartz pebbles,1-2cm.	<del>-</del>	,	-		plant roots.
SANDY - CLAY	-	with Imy nodules 2 - 2.5 cm				-	Bedding;
CLAYSTONE	1	yellow to purple, weathered, chocolate,	05-		_		strike N — S ,
	-	medium & Coarse grained.	1 1				dip 25°W.
SANDSTONE		grey.	10-				
CHINDSTONE	.	weathered quartz vein, 5 cm.	╡╶╛	<u></u>		1	
-: 	-	weathered, soft, granule conglomerate in part,	1.5				
-	1	, -	_	Base	of pit, 1.5 m.		-
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			65				
		<del></del>	1	ı	ı	1	LOGGED BY H. S.
HOLE MADE BY HA							1
COMMENCED 17.	12, (	63_					DRAWN BY H. S.
COMPLETED 18	. 12. '	63 l					CHECKED BY J. 14

	<del></del>			-	- /-		, ,	SHEET NO 28
	-		OVERSEAS TECHNICA		, ODEDATION	L ACENEY TOWN		N. EXCAVATION NUMBER
F	· -		ELECTRIC E	10 VIE	DEVELO	PMENT COMPAN	I, JAPA	N. LQ3-6
-	:				ING ENGINE		[= :	· · · · · · · · · · · · · · · · · · ·
١	·		TEST PI	TΑ	ND AUG	ER HOLE LO	ÖG .	
1			or Project, CAMB		<del></del>	RE Left	- Ba	nk
1	CO-ORDINATES:	₹_6	13 <u>km 87 N 1.383 km</u>	<u>73</u>	RL.GF	ROUND	35	<u>m_00</u>
١	DETAILS OF LOC	ALITY	LO3 QUARRY AF	REA.	TYPE (	OF EXCAVATION	1.0	O ^M X 1.5 ^M
ľ	SOIL TYPE	9 g	SOIL DESCRIPTION	DEPT	H LOG OF	EXCAVATION	SAMPLE	<del>-</del>
ł	GEOLOGICAL DESCRIPTION	GROUP SYMBOL	GROUP NAME  LARGEST AND SMALLEST SIZES	OF		PERMEA BILITY	No.	COMMENTS
ŀ		-	CARGEST AND SMACLEST SIZES	I IOCC	· <u> </u>	· -	L	<u> </u>
ŀ			fine grained, brown,	<del></del>	17.77	-		<u> </u>
l	SILTY		laterite nodules to 1cm B	1 .:	1/2//		l <u>.</u>	plant roots.
	SAND	L	few sandstone debris.			-		
ľ			with few pebbles and	0.5_	1999	•		:
	C1 AY		debris, cohesive.				-	: -
	CLAY			.		-	-	- -
l	-		dull brown.	10-				
1	· · · · · · · · · · · · · · · · · · ·		Highly weathered.	1	000000		-	neauel and 1 0 c c
		_	small pebble conglomerate.	-	000000			gravel size; 05-5cm to icm, common.
1	=	-	matrix-loosen.	15 -	00000	- -		
	:	-		1		_		lime veins, nearly
l	-		decomposed soft time vein.	- 1		-		harizontal,
l			gravels_cemented with	20-	000000	-	,	gravels;, quartz,
Ì	:		sifty granules.  decomposed soft lime vein.	┨ .				quartzose -rock,
Į,	CAICLANED ATE	}	faces to the Wine Actual	1	000000			slate & sandstone.
ľ	CONGLOMERATE		decomposed soft time vein.	25_	00000			siare a saliasione.
ı	-		decomposed soff lime vein.					
ı			purple.	:	000000			
l			weathered. Some part	30-				-
			very hard due to cemented	30-	000000		631227	: -
	-		with time solution, purple,	1. :		-	0 2	
				3.5	000000			
Γ	····			]	Bose	of pit, 3.5 m.		
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		ку . П.	SAME STEAM OF SAME SAME SAME OF SAME OF SAME SAME OF SAME OF SAME SAME OF SAME OF SAME					SHEET NO.287
			OVERSEAS TECHNICA	OWE	OPERATION R DEVELO	PMENT COMPAN	), JAPA Y	
	LOCATION	Sam	TEST PI bor Project, CAME	T AN	ND AUG	SER HOLE LO		Bank
-			15 km 72 N 1382 km 9					m 00 0 m X 1.5 m
. :	SOIL TYPE GEOLOGICAL DESCRIPTION		SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES			EXCAVATION PERMEA BILITY	SAMPLE No	COMMENTS
		<del></del>	<del></del>	,,,,,,,				
-  	SAND	-	fine grained.  pale grey -yellow.  laterite nodules, to 0.5 cm and round quartz pebbles,  1.5 - 2 cm.	0.5_		- -		plant roots.
-	-CLAY		few coarse grains, cohesive, reddish brown, decomposed medium grained	-		 - 		-
•	-		sandstone in part.	10 —		,	-	
_	SANDSTONE		weathered, sound in part, medium grained, purple to deep brown,	1,5				Bedding; strike N20°W,
	,,	,		_	Base -	of pit, 1.5 m.		dip 10° SW.
-	* «			2.0—		-	_	Easily a crushed to by hands in part,
-		-	 	25_		-	_	•
	-			=				
			-	30 <u> </u>	<u> </u>		: · · ·	, , -
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	-			65				
	HOLE MADE BY_HA	Z A MA	<u> c</u> a			ļ ŧ	,	LOGGED BY <i>K. S.</i>
	COMMENCED 21,1	2,63						DRAWN BY H. S.
					7. ₉ 1.		l.	

SHEET NO. 288 **EXCAVATION NUMBER** OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. LQ3-9 ELECTRIC POWER DEVELOPMENT COMPANY ( CONSULTING ENGINEERS )
TEST PIT AND AUGER HOLE LOG Sambor Project, CAMBODIA. FEATURE LOCATION <u>Left</u> <u>Bank</u> 38 m 50 CO-ORDINATES : E 6.5 Km 24 N 1382 Km 87 R L. GROUND _ 1.0^m x 1.5^m DETAILS OF LOCALITY LQ 3 QUARRY AREA. TYPE OF EXCAVATION SOIL DESCRIPTION GROUP NAME SOIL TYPE DEPTH LOG OF EXCAVATION SAMPLE COMMENTS GEOLOGICAL OF No. PERMEA BILITY DESCRIPTION HOLE ARGEST AND SMALLEST SIZES fine grained. yellow: plant roots. SAND to greyish yellow. laterite nodules, to 05cm, angular & quartz pebbles. quartz pebbles round 0.5 2-3 cm in a little. weathered : sandston e boulders & cobbles. conesive. yellow. CLAY 10 decomposed white limy nodules and patches, chocolate massive . weathered. soft. developing some SILTSTONE stightly damp, chocolate. of pit, 1.7m. Base 3.5 45. 5.0 55 60. LOGGED BY 16. HOLE MADE BY HAZAMACO, DRAWN BY __H COMMENCED 19, 12, 63

COMPLETED 20,12, '63

CHECKED BY J. LY

<del></del>			-	-			EXCAVATION NUMBER
		OVERSEAS TECHNICA			-	-	LQ3 - 10
: -					PMENT COMPANY	,	- 240 10
-				NG ENGINE	ERS) ER HOLE LO	)C	-
LOCATION	Sami	bor Project CAME	30017	FEATUR	ER HOLE LU		nk
1		4 кm 50 и 1382 кm					
							m 80
		LQ3 QUARRY AR	1			1.0	0 ^m x 1.5 ^m
SOIL TYPE GEOLOGICAL	GROUP SYMBOL	SOIL DESCRIPTION	DEPTH	LOG OF	EXCAVATION	SAMPLE	COMMENTS
DESCRIPTION	3RC	GROUP NAME LARGEST AND SMALLEST SIZES	OF HOLE		PERMEA BILITY	No.	COMMENIS
	<b>0</b> 0,	- I CANADO O PARA DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DEL CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DEL CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE LA CANADO DE L	1				
SILTY SAND		fine groined dork-brown.		175.7			
SANDY		Scattering quartz pebbles,	1 =	1///			
SILT		1-15cm. yellow. round quartz pebbles;					plant roots.
		rather flat, 1-2cm.	Q5	N 2 7 2			
·			_		-		- -
		few coarse materials.	ļ _. —	X7///	 		
		- ant natur	10				<del>-</del>
	-	cohesive.	-		=		-
	'	brownish yellow.			-	<b> </b>	- - 1 -
CLAY			ı.5				,
		compact,	-	1///			-
_		some chocolate		1///		]	-
_		claystone debris	-			1.	
	-	8 tragment.	2.0—				
-			-				-
	}	cohesive domp	] =	11/11			
		chocolate.	25	1///	-		-
		Nahlu wasthard	<b>↓</b> =	1////	ł		
CLAYSTONE	-	highly weathered. chocolate.	] -		·		massive.
		-	30—	Base	of pit, 2.9m.		Bedding;
-		[:	1 =	1		1	nearly horizontal_
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HOLE MADE BY HA	ZAMA	<u>\ Co.</u>					LOGGED BY IL.S.
COMMENCED 10,		<del></del>					DRAWN BY H.S.
							7 1/.
COMPLETED 23,	12, 6	3_					CHECKED BY J. 14

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	-	( CON	POWE F ISULTIN	R DEVELO NG ENGINE	PMENT COMPANY ERS )	,	EXCAVATION NUMBER
LOCATION	Sam	IEST PI bor Project, CAMB(			ER HOLE LO ™ <u>Lef</u>		Bank
		I3 кm 45 и I384 кm :					m 70
DETAILS OF LOC		LQ3 QUARRY AR			OF EXCAVATION	1.0	o ^m x 1.5 ^m :
SOIL TYPE GEOLOGICAL DESCRIPTION ,	GROUP	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF	EXCAVATION PERMEA BILITY	SAMPLE No.	COMMENTS
<u>.</u>		· · · · · · · · · · · · · · · · · · ·					
SAND		fine grained, brown.	-	· · · · · ·	-	,	plant roots.
SANDY		laterite nodules to 05cm, and few round quartz pebbles, 1 - 3 cm.		2	-		prom. Tools,
CLAY		cohesive. yellowish brown. lime coated claystone fragments, 1 - 3 cm.	Ω5 		- - -	- - -	
		with completely decomposed claystone debris,	10 -		- : 		
		weathered but Sound.	=				: -
CLAYSTONE	- :	purple.	15 —				massive, jointed.
	-		20	Base	of pit, 1.6 m.	-	Bedding;
•			] =			ļ	dip 5°SE?
		-	25_				friable at state of tossing moisture.
-			=	}			
•		-	3.0	_	-		
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1			50-	<u> </u> .			
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			60-	-			<u>.</u>  -
			6.5	1			
HOLE MADE BY_H	AZAM	<u> </u> <u>A C</u> 0.	1	1		1	LOGGED BY H. S.
COMMENCED 19.	12,6	3_					DRAWN BY H. S.
COMPLETED 20	,12,'6	33_					CHECKED BY J. 14

				ELECT TES	RIC P ( CON T PI	OWÉR SULTIN F:AN	DEVELOF G ENGINE D AUG	ER HOLE LO	r DG	N LQ 3	ION NÜMBER; -13	
			bor Pro							<u>Bank.</u> m 50	<del></del> .	-
	CO-ORDINATES:						, RL GR	F EXCAVATION		om X 1.5 m	 1	
	SOIL TYPE			ESCRIPTION		DEPTH		` '	SAMPLE	<u>, , , , , , , , , , , , , , , , , , , </u>		
ļ	GEOLOGICAL DESCRIPTION	GROUP SYMBOL	GRO	UP NAME	·	-OF		PERMEA BILITY	- Na	COMMEN	TS	
	DEGG! [II]	ญญ	LARGEST AN	ID SMALLES	ISIZES	HOLE	<u> </u>		<u> </u>			-
	SAND	-	laterite no	dules, to C	.5 cm , _				7	plant roots.	with-some pebble, i = 3cm	
	SILTY		lateritic	e grained. nodules.to	lem,	┞╶╁	11/1				ely weathered	-1
_	CLAY	l		ohesive, bro . sound la		α5_		-		sandstone d	eoris.	
	JSILTSTONE L	IJl	L boulder	fulled with I light purple	rown L		4//		ļ ·	massive.		-
ļ	<del>-                                    </del>				-				<del> </del>	-		
				-	-	10-	Base	of pit, 0,8 m'.	-		-	
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	_	OVERSEAS TECHNICA	AL CO	OPERATION	V AGENCY TOKYO	ΔΩΔ. (	EXCAVATION NUMBER
					PMENT COMPAN		^{N.} LQ 3 - 14 - 1
-		( CON	ISULTII	NG ENGIN	EERS )	-1	
LOCATION		TEST PI	T AN	ND AUG	ER HOLE LO		- -
		<u>bor Project CAMB(</u>			^{RE} ,Lêf		<u>ank</u>
		15 km 35 и 1382 km		_ R.L. GF	ROUND		m 50
DETAILS OF LOC	ALITY	LQ 3 QUARRY - AR	<u>EA.</u>	TYPE	OF EXCAVATION	1.0	0 ^m X 1.5 ^m
SOIL TYPE	라정	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH	LOG OF	EXCAVATION	SAMPLE	
GEOLOGICAL DESCRIPTION	N. S. S. S.	GROUP NAME	OF -		PERMEA BILITY	No.	COMMENTS
	l a a	LARGEST AND SMALLEST SIZES	HOLE	<u> </u>			
<u></u>			<del></del> -	1	<u> </u>	-	<u> </u>
		fine grained	=				plant roots,
-		- pale grey,	-		-		- ; ; ; ; ; ; ; ;
		fine grained.	0.5_			-	
SAND	-	with no course grains.	=			1	• •
			-				-
	-	light pink to yellow.	10			[	- -
		latarita	↓ <u> </u>	<del>  ; ; ; }</del>		·	
	] [	laterite nodules, to 05 cm, 8 round quartz pebbles.	] =	11/1/			quartz pabbles, t —3 cm
		Scattering	1.5	1///			in dia
CLAY-	-	Scattering some decomposed white limy	-		1		
		- no du les.	=	1///			
- •		cohe sive	2.0-	11111			
,	.	orange.		المنازير الماري	- '	-	
		Completely decomposed	1 =	11.77	<b>}</b> `		damp,
-		sandstone boulders are	25_	1///	j :		- 445 + 48 -
SANDY	~	filled with cohesive		1/1/2	}		
CLAY		clay, clay; Spotting	=	1555	]		
•		yellow in grey matrix.		11/1/1	ļ	, -	t
		sandstone; medium grained.	30	11/11			
•	:	1	] =	Base	of pit, 3lm.		
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		-	3.5	1		-	·
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HOLE MADE BY HA	ZAMA	co.		•	-		LOGGED BY L.S.
-		<del></del>		•		1	
COMMENCED 21_				_			DRAWN BY H. S.
COMPLETED 25.	12 . '63	s 1					CHECKED BY . 7 /4

D. DRILL AND AUGER HOLES FOR NAVIGATION LOCK

# LIST OF BORING HOLES

<del></del>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	* * * * * * * * * * * * * * * * * * * *		· + -	
			DEPTH	DEPTH	LOG
HOLE	LOCATION	ELEVA - TION	OF HOLE	OF OVER- BURDEN	SHEET
		(m)-<	(m)	(m)	:_(-No.) ^
DH, 6 401	RIGHT BANK	+ 20.70 -	30.0	]-1.35]-	1 – 2
6402	LEFT BANK A - LINE-	+ 20.50	10,0	8. 00	3
6403	B-LINE	+ 18:30	25.0	22. 50	4— 5
6404	A - LINE	+ 18.00	5.0	3.50	. 6
6.405		+ 20.00	8.0	4. 45.	7.5
6406	B- LINE	+18.00	24:0	21.60	8-9
6407	A – LINE	.+ 19.90	30.0∙	28.50	-10—II
.6408		+. 19 .80	12.0	9.50	: 12
6 409		+ 19.10	10.0	7.30	13 :
6.410		+20.80	10,0	- 5. 90	~ 14- · .
6411		±18.00	7.0	2, 30	15.
6 4 12		+ 20.30	6.0	3.90	I,6
6413	C-LINE	+ 20.50	20.0	. 15.15	17

abit see st.

## LIST OF BORING HOLES AUGER HOLES

AGGEN HOLLO												
HOLE	LOCATI	ON	ELEVA- TION	DEPTH OF HOLE (m)	DEPTH OF OVER- BURDEN (m)	LOG SHEET (No.)						
AH 6402	LEFT BANK	A -LINE	+19-0	5.0	-	18						
6403	,,	7	+ 19 0	5 0	-	19						
6404-	,	4	+ 19.0	3. 2	2 75	20						
6404	4	*	+ 19.0	1 2	-	21						
6 4 0 5	"	, -	+ 20.0	3 0	2.65	22						
6406	۰,	4	+ 24.0	1.0	0 50	23 -						
640.7	"	4	+190	2 0	1 60	24						
6 4 08	EAST "PHNOM	OF SAMBOC	+ 20.0	0.7	0.20	25						
6 4 0 9	,	4	+ 19 0	40		26						
6410	<b>;</b>	٠,	+ 20 0	,0 8	0.20	27						
6411	*	4	+ 20.0	0 7	0.50	28						
6 4 12	*	B - LINE	+ 18 0	3.0		29						
6 415	4	4	+19.0	5.0		30						
6417	"	*	+180	5.0		31 -						
6418	,	*	+ 18 0	3 0		3 2						
6419	"	A - LINE	+19.0	5.0		33						
6420	4	"	+ 19.0	3 5		34						
6421	٠,	*	+19.0	5.0		3 5						
6 4 2 2	RIGHT BA	NK	+ 20.0	2 5	2 0	3 6						
6 423	"		+ 20.0	5.0		3 7						

# OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN HAZAMA - GUMI L T. D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE														
SAMBOR CANAL, CAMBOOIA FEATURE RIGHT BANK HOLE No. D. H 6401-1 CO ORDINATES E609 km 180 N 1,393 km 175 R.L. GROUND 20 70														
		<del></del>				km <u>1</u> 8								-
LOCATION		OHANNE		<del>,</del>	E)		ANGLE FR	÷.	IZONTA	JL _ 2	OS DIRI	ECTIC	Ņ	
SOIL OR ROCK TYPE	GROUP NA	ME LARGEST	R.L.	DEPTH SIZE	LOG	E RE- ERY %	I .	TURES . NS. SEAM		YATER	STANDAF TEST	RD PE	NETRA VALŪI	
	AND SMALL	EST SIZES		CORE	-0"	728	JOINTS, VEI	SHED ZO	NES I	EVEL	l		0 50	Į.
		<u> </u>	_	ļ				·		`		<u>.</u>		
	muddy cl		,-,	•			depth of u			-	<b> </b> 			
CLAY	gray	fragments	- /	-		-	Suporting s	wanip gi	rass				<b>.</b>	-
SANDSTONE	_		2		• ,	,	consists o	of weath	hered		-			-
highly weathered	,		-	68	•	95	Sand stone	or shale	fra-		- 1			
WEW/12/24	greenisi	h gray	3 <del></del>	מו מו	٠.	· -	gments.			į		•	-	ì
SANDSTONE	-	•	-	-	•	-		-						
	-		#	1	٠			-	- }					-
weathered	bluish	gray	 ی			56	1		.		,			
3 .		· ,	–	<u></u>		65 90					•			-
· _	,		6-	_	.	-	joints are		22			-, ·		-
SANOSTONE	medium	grained	٠ -			-				-				
Some what		· ·	7-				joints are	e space	d		-			ļ
weathered	·						50M ~ 150	≠ <u>.</u>	٠.	-	-	•	-,	
, /	1	,	8		•				.	-	-	-		
	bluish	gray	9			100	: -	·		İ			, -	٠, ١
	*		-	30	.		joint pla	nes are	אינות י				-	
*	•	-	10-				stained							
SANOSTONE	SHALE	darKgrey [	' -				ļ		-		,	-		_
	-		//-	-	•		calcite v	leins o.	200	ł				
	-		12		•		~0.3 cm f.	hick i	7					
,	bluish	0+0.4	-				general	•		- 1			_	
)	0101011	91-3	13.				-				-			- 1
	:		-		<del></del>			<del> </del>			•			.,
fresh	SHALE	dark gray	14		•		bedding a	lip 60°	III	- 1				
			15-	!									- '	·
	SHALE	lank gray	," 			,	developi	ng calci	te	1		•		-
	<u> </u>		16-		•		Vainlets						, '	
		94	-	,	•		whole join	nts are	not	ł		•	;	•
1			17-				Stained			}		•		,
ĺ	SHALE	/ · // · · · · · · · · · · · · · · · ·	18-				Calcite ve		Thick	ļ				
<b>†</b>	SHALE	dark gray	"]		<u>-</u> .		Crush Zon			-			•	
,	d	ark gray	19-		•		crush zon	10						
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		·	20		ll		<del></del>	<del></del>	L	L				
<del></del>				EX	PL A	NATIO	)N		-	LOG	GED		<del></del> -	
DRILLER		CASINGIN DRIL		LE DU	RING	DRIL	LING I			DR	WN BY	·		}
COMMONED _		WATER LEVEL THIN WALL S					ATE)				CKED -			
COMPLETED						PLA	TOKYO	DATE MAR I	965	DRA		OF	2	

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.

HAZAMA GUMI L.T.D. (CONTRCTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMEBOR DAMSITE, CAMBODIA.

FEATURE

HOLE No D.H. 6401-2 CO-ORDINATES. E 609 km 180 N 1,393 km 175 RL GROUND 20.70

LOCATION POWER HOUSE

- LOCATION	POWER HOUSE		· -			ANGLE FROM HORIZON	_	90° DIRECTION			
SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CAC-	DEPTH SIZE OF CORE	roe	LIFT CORE RE- COVERY%	STRUCTURES JOINTS, VEINS, SEAMS	WATER	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60			
	AND SMALEST SIZES		CORE	<u> </u>	<u> </u>	FAULTS, CRUSHED ZONES		10 20 30 40 50 60			
	<u> </u>	ļ			-	* * * * * * * * * * * * * * * * * * *	<del> </del>				
SHALE	blackish gray	-	ł	=	1	7 6 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	_	-			
SAALL		-		:		brittled	1	-			
	Lifting good core		30			With no joint and cruck	-	,			
				<u>.</u>							
SHALE	blakish gray	3 —	-	•	<b>i</b>	_brittled	-	-			
		-		•	90	calcite veinlets					
SANDSTONE	* •	<i>4</i> —		:	10	develop 15 cm thick	-	<u>-</u> "			
	•	-	1	•		joints are spaced					
, -	-	5-	İ	•		50M ~ 10 cm					
	-	'	1			3011 2 100	_	-			
fresh.	-	6-	]								
-	bluish gray	2-	]	•	-						
SHALE	SHALE		ļ	<del>-</del> -	-	brittled					
	blackish gray	8-		<del></del> -	-	20111101		• •			
SANDSTONE	Consists of sandstone	-						•			
-	breccia	9-				disturbed zone dia 4-5cm		,			
-fresh	GALCITE	-		•		Calcite Vein stathick (					
·		10-	<b> </b> -		ļ	End of hole 30"0	1				
· ,	•	/// <u> </u>	]			,					
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20											
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DRILLER	CASING IN DRI	LL HO			NATIO DRIL		l E	GGED			
COMMONED	WATER LEVEL						CHE	AWN BY			
COMPLETED			-		PLA		SHE	3Y   ET _2OF _2			
L						TOKYO MAR 1965	DRA	WING No			

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN.

HAZAMA - GUMI L. T.D. (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLF

	SAMBOR	CANAL.	CAMBODIA					FEATURE	RIGHT E	BANK_		-	-	-
	HOLE No	· — — - · - ·	CHANNEL:	DINA:	FES E	612	<u>km</u> 2		km - 335 RL					<del>-</del>
	SOIL OR	DISCRIPTION OF THE	ON OF CORE	R.L	DEPTH		COVERY%	STRUC JOINTS VEII	TURES	WATER	STAN TEST	DARD	PENET	
	SILTY CLAY	gra	<del>y</del> -		<u> </u>	- - 7-0	-	With Plan	et roots		-			
1	: -		ded plastic	/_			-	7777			-		-	_ ^
. <del>-</del>	CLAY -	ye/lewis	sh brown					With no	grain -	T-1	-			-
				]					- -	-				-
•	CLAY	Light	brown	3 —	68		90	-	· ·		-			-
		1 1	CLAY sh brown	4-				-		-				
			_	5-	1			bearing.	sand stone	-	-		-*	-
-	CLAYEY	fine to	medium ed	6-				fragmen	Is .		-			
_=	SAND		ish gray	7-	-			-	-			,		
	SANDSTONE		ed zone	8-		•	-	intercala				-	-	-
	highly weathered		h brown	9	30 mm	•		Seam in	part.		_			-
-		_	-	10-		``		End of h	ole 10.00	.	_	ž		_
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	DRILLER _		EXPLANATION LOGGED  CASING IN DRILL HOLE DURING DRILLING DRAWN BY  WATER LEVEL IN DRILL HOLE (DATE)  CHECKED											
3	COMPLETED						PLA	TOKAO (	DATE MAR 1965	SHE	_	1 C	)F	
· ,	-			-										

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.

HAZAMA-GUMI L.T.D (CONTRACTOR)

#### GEOLOGIOAL LOG DRILL HOLE

SAMBOR CANAL, CAMBODIA HOLE No. D.H. 6403-I CO-ORDINATES E609 km 385, N 1,386km 105 R.L GROUND 18.30

	AVIGATION CHANNEL (	-	_			ANGLE FROM HORIZO	-	
SOIL OR ROCK TYPE		R.L	DEPTI	roe	CORE RE-	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	J IMMONITO
CLAY	fine grained  plastic, drg.  mottled black  to brown	l —	-		-	with plant roots  laterite nodules dia 0.5cm~ I.Ocm	<b>1</b> 7-1	
	plastic, high dry strength	3 4- 5	68 mm			scattered laterite nodules in part		
CLAY		6- 7- 8-	·		90		T-2	
	brown	9				becoming sandy gradually dually		
	grad ational boundary	13-				partially clayey	т-3	
SILTY	alternatione of	14 ⁻ - 15-				silt, or clayey sond these bed are 10cm~ 15cm in thickness		
		16 17				bearing some		•
-	gray	18-					,	22 T 30 cm

DRILLER COMMONED 7. 1 . 65 COMPLETED 9. 1 . 65

CASING IN DRLL HOLE DURING DRILLING WATER LEVEL IN DRLL HOLE (DATE) THIN WALL SAMPLING

CHECKEDBY DRAWING No. TOKYO MAR 1965

DRAWN BY

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYD JAPAN HAZAMA - GUMI L.T.D. (CONTRACTOR)

## GEOLOGIOAL LOG OF DRILL HOLE-

SAMBOR CANAL. CAMBODIA

FEATURE RIGHT BANK

HOLE No. DH 6403-2 CO-ORDINATES E 609 km 385 N 1 386 km 105 RL GROUND 18 30

LOCATION		CHANNEL			-005	Km :						30° DIE 300° TE		
SOIL OR	DISCRIPTIO	N OF CORE	R.L	DEPTH		₹ 2,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1	ST	RUCTL	JRES	-	7	ISTANDAI	<del></del> -	====
ROCK TYPE	GROUP NA	ME LARGEST	CAS-	SIZE OF CORE	LOG	E P. F.	JOINTS FAULTS	, VEIN	S SEA	MS -	LEVE!	TEST		ALUE
	AND SMAL	EST SIZES	ING	CORE		ភិទីនឹ	FAULTS	S. CRUS	HED 7	ZONES		10 20	30 40	50 60
<u> </u>	<u> </u>						<u> </u>				<u> </u>			
SILTY		ed sand	-	§ .	1		<u> </u>				[	}		
SAND	medium		/		[//		inter				ĺ	ļ		
SAND	grained	-	_	48		70	clay	in p	art		[	ļ	:	
		•	2-	mm		1	[	•			l	Į		5n
·	brown		-	<b> </b>	12		join	dod.			-			30 cm
SANDSTONE	Weat	rered	3-	ĺ	•						1	]		
SANDSTONE	medium	grained	-	30	•	100	joints	and	calo	ite	}	]		
fresh	Lifting 1	very good con	4-			} '	Veins	are i	ery	few.	}	<b>}</b>		
776576	•	rplish grouy	} -			}				5	}	}		
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DRILLER		CASING IN DRI	11 22			NATI					LO	GGED BY WN BY		
COMMONED	·	WATER LEVE						•				WN BY -		
COMPLETED		THIN WALL				PLA						BY -	OF	
						I PLA		KYO I	MTE	1965	ı		^U	

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI LTD (CONTRACTOR)

#### GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK
HOLE No DH. 6404 CO-ORDINATES E 611 km 855 N 1,388 km 750 RL GROUND 1800

LOCATION	IAVIGATION	CHANNEL (	BLU	NE)_		 	ANGLE FI	ком ног	RIZONT	AL_9	Ō°D	IRE	CTIO	N	<del></del>
SOIL OR	DISCRIPTION			DEPTH		RE- Y%	STRUC JOINTS VEI	TURES		WATER	STANE	DAR	D PE	NETF	RATION
ROCK TYPE	GROUP NAME		CAS~	SIZE OF CORE	LOG	ORE OVER	JOINTS VEI FAULTS CRL	INS SEAM	NES	LEVEL	TEST			/ALU p 50	
	AND SMALE	51 51265 -		CORE		200	PAUL 13, CIT	Sile 20	1400	-					<u> </u>
	<u> </u>				3/2		- , ,						·		
SILT	motted b	rown white					plart 1		الـــــــــــــــــــــــــــــــــــــ	T-/ - ◀	wate	r 2	م رم	1	
	fine of med	dium grained L Sand	1 /—	١_	//	90	with abu.	maani	es dia		(21.				-
SILTY	yellowish	gray.	1	68 mm		/	3 ~ 5 cm	<del></del>			]		•	-	
- 4.45	:		2-	]	//	1	bearing	fragm	onts						
SAND			3	-		1	of sand.	stone	1						
	yellow	ish gray	- ∤	<u> </u>	1/				-	ŀ	-			-	
SANDSTONE	modium	grained	4	30	٠.	100	many je	oint plu	enes		_				
SANDSTUNE	1	anau -	-	130		100	are sta	inea	•	ľ					
	bluish	gray	s-	1	-		End of	hole 5	700	1	İ	-			
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DRILLER		CASING IN D	RILI :			ANAT NG DI		-		1	BY RAWN £	3Y			
COMMONED		WATER LEV									HECKE BY		<u>-</u>		
COMPLETED		THIN WALL					LACE	DATE			HEET			OF _	1
		1					TOKY	O MAR	1965	D D F	RAWING		lo.— -		

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

	Н	AZAM	A-GU	MI	L.T.D	. (CONTRACTOR)	IPA N.			•
	r	_				OF DRILL HOLE	_	-		
SAMBOR	CANAL CAMBODIA						BANK			
		DINA	TES E	<u> </u>	<u>km_3</u>	75 N   388 km   135 R		OND SO	00	_
LOCATION I	NAVIGATION CHANNEL	<u>(B</u> _L	INE)			ANGLE FROM HORIZON				
SOIL OR	DISCRIPTION OF CORE	RL	DEPTH		RE- Y%	STRUCTURES	WATER	STANDAR	D PENET	RATION
ROCK TYPE	GROUP NAME LARGEST AND SMALEST SIZES	CAS- ING	OF	LOG	누피뜹	JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	LEVEL	TEST	N VAL	
	AND SMALEST SIZES _	-	CORE	-	288	FAULIS, CRUSHED ZONES	-	10 20	30 40 50	60-
SANDY	organic Soil			1.5	<del> </del> -	With plant Roots	<del>                                     </del>	<u> </u>		
CLAY	black -	<b>-</b>		17			T- 2		•	
SAND	in general brown	'-	73	1		decomposed sandstone	- I-	-		
SANDSTONE	-	2—		Sez	-	Ccomposed Samestone	-	]		
			]	•		Constists of sandstone	ار			
highly Weathered		3	58	• -	80	defritus				
Weatherea		-		•						
:	bluish gray	4								-
	C: 4 .	-			-		1			
SANDSTONE	fine to medium grained	5	ł							
·	grainea	-	30	•		calcite veins rich				
	-	6	1	•	_	dip 60° or vertical				
fresh	bluish gray -	-	]	•				<u> </u>	-	
SANDSTONE	-	7	]	•		joint placed 2-15cm	1			-
weathered	bluish gray	8		•		and planes are stained.				
		· _				End of hole 8m				
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			FY	PI A	NATE	ON	LO	GGED	<del></del>	
DRILLER _	CASING IN DR	іц. но					DRA	BY -		
COMMONED _	WATER LEVE	LIND	RILL	HOLE	Ξ∢(i	DATE)	CHE	CKED -	· · · · · · · · · · · · · · · · · · ·	
COMPLETED _	THIN WALL	SAM	PLING	×	PLA		SHE	ET I	OF	<u> </u>
I						TOKYO MAR 1965	DRA	WING No		

#### OVERSEAS TECHNICAL COOPERATION AGENCY TOKYD JAPAN HAZAMA-GUMI LT.D. (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

10

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK
HOLE No DH 6406-1 CO-ORDINATES E 609 km 490 N 1,385 km 350 RL GROUND 18 00

LOCATION	NAVIGATION CHANNEL	(B LI	NE)			ANGLE FROM HORIZON		90° DIRECTION
SOIL OR	DISCRIPTION OF CORE	RL	DEPTH		<u>ا</u> رد	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER	STANDARD PENETRATION
ROCK TYPE	GROUP NAME LARGEST	CAS-	SIZE OF CORE	roe	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JOINTS VEINS SEAMS	LEVEL	TEST N VALUE
	AND SMALEST SIZES	-	CORE	ļ	385	FAULTS, CRUSHED ZONES	<u> </u>	10 20 30 40 50 60
TOUTY OF AVE							<del> </del>	-
SILTY CLAY	gray		ł	77		with plant roots	1	·
•	-		-	11				
						bearing laterite	T-! T-2	
		2-	ł			nodues dia 05~1.0	T-3	
	lean stiff, dry	3				O,1 o.C.O bib separation		
CLAY		3-					<b>4</b> 6/1	
	 	4-					''	
-		\ \ \ \ \ \ \ \	68	11			_	
		5—					T-4	
	mottled brown and				i			
1	white	6-						
<u> </u>	·	-		$\angle$				
		7-						
				$\mathbb{Z}$	90			
•		8-					T- 5	
	lean, stiff	9				•		
•	half dry			$\mathbb{Z}$				
SILTY	nun ury	10—		$\mathbb{Z}$		•	-	
CLAY		4	}					
		11-	ĺ				.	
		-				•		
		12-				no latente no dules	T-6	
		-	58	$\mathbb{Z}$	ı			•
		13		$Z_{i}$				
	bluish gray	14	ł	A				
		l'' .	ľ	$\langle \cdot  $	-			
,		15—	ļ.	//				
				11				
CLAYEY	well graded grains	16-	ŀ	11				
C11 T	grains	-		11	İ		- 1	
SILT		17	1					
	bluish gray			11	ĺ		. 1	
611.75		18	t	기	-		T-7	A = 74
SILTY		19	- }	//				227 / 30cm
CLAY	gray	- [	ľ	//			1	
	9.0)	20	Ľ	<u> </u>				<del></del>
							11.00	255
DRILLER	CASING IN DRI	LL HO	E XI LE DU	PL AI RING	OITAV IIRO	I ING I	LOGO	GED Y WN BY
COMMONED _	WATER LEVEL						CHE	CKED
COMPLETED _					PL AC	E DATE	SHEE	T 1 0F 2
						TOKYO MAR 1965	DRAW	

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI L T.D (CONTRACTOR)

## GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL , CAMBODIA FEATURE RIGHT BANK

•	CANAL.						FEATURE		TB/	NK		
HOLE No	DH 6406	-2 CO- OF	DINA	TES _	E 6 0 5	<u>km 4</u>	190 N 1,385	km 3	350 R L	GR	ONND I8	.00
LOCATION N	NAVIGATION	CHANNE	LL	A LIN	E)		ANGLE F	ROM HO	RIZONT	AL S	90° DIRI	ECTION
SOIL OR	DISCRIPTIO			DEPTH		. 80	<del></del>				1	
ROCK TYPE		ME LARGEST		_	roe	- H	STRUC JOINTS, VE FAULTS, CF	INS SEA	мѕ	WAICH	ISTRUCAN ITEST	D PENETRATION N: VALUE
ROCK TIPE	AND SMAL		ING	SIZE OF CORE	200	1 8 8	FAULTS, CF	RUSHED 2	ONES	LEVEL	TEST 10 20	
	-		T	CONE		-55	,	-	1		<del> </del>	
	<del> </del>	··	<del>                                     </del>		<del>├</del> ──							
	mediu	m grained	-		.•		Transport	red by	River			
SAND			/-	58		1	action					aη, -
	bluisi	h gray	-	<u> </u>							• • •	30 cm
			2-	-	•	90	joints si	paced s	acm to			
SANDSTONE	fine to	medium	-	-	•		Sem .	dip 10	20°~20°			
	graine	ed	3-	30			Foint pla	nes at	e not		1	
	Į		.	-	١.		stained	<b>4.</b>			]	
fresh	bluish	gray	₄ _	ļ	<u> </u>	ļ	<del></del>	_ <del></del>				
-			.				End of	hole	240			
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DRILLER		CASING IN DR	LL H			NATIC G DR					GGED BY	
		WATER LEVE					ATE)			DR	AWN BY	·
COMMONED			10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							BY -	
COMPLETED	- <b>-</b>	-				PL	TOKYO	DATE	1 965		EET <u>2</u> .	OF _2
L		<u> </u>					101110	TWAR	1 300	UKA	WING N	/ <del></del>

HAZAMA-GUMI LTD - (CONTRACTOR)

#### GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL . CAMBOOIA FEATURE RIGHT BANK
HOLE No. D.H 6407-1 CO ORDINATES E609 km 735 N 1384 km 370 RL GROUND 19.90
LOCATION NAVGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR	DISCRIPTION OF COR	RE R.L	0EFYH		Ή. Υ%	STRUCTURES -		STANDARD PENETRATI
ROCK TYPE	DISCRIPTION OF COP GROUP NAME LAR AND SMALEST SIZE	S CAGING	SIZE OF	roc	IFT . ORE F OVER	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	LEVEL	TEST N VALUE
	-		CORE	$\vdash$	ن ن د		+	10 20 30 40 30 00
SILTY CLAY	blacK o	Lry_		12.2		organic		
		, l	]	1			7-1	
	plastic dry	,   .		1/			7-2	-Water Level (2.1.65)
	prastic arg	2—	-	1/			1	(2. 7. 83)
						Containing Laterite	-	-
CLAY		3	68	1		nodules dia	7-3	
CLAI		4		1		0.5 cm 10 cm		
				//	90		7-4	-
		5			,,,		7-5	
		-				:	7-6	-
		6-				•	<b>-</b> -	
<del></del>	brown			14			7-7  - 0	·
		ľ					<i>T-8</i>	
		8-						
	1.55	9-				becoming Laterisation	2	
	lean stiff plastic	, , ,				•		
SILTY	prastre	10-						
		-						
CLAY		//-	1					
	detail broad	12-						
	mottled brow - yellow	72						* 23 T/ /30 cm
	- 7=1.00	13-						•
	gradutional bo	//0-		1,7			1 :	17 n/30 cm
		un- 14-						
		15-						•
i		-						
CLAYEY		16-				intercalate ilayey bed in past		
		17-				bed in past		
SILT					r			-
		18-		1:1			7-9	
	mottled brok	vn -						
	-yellow	19-						
		20	<u> </u>	7				
							1.64	orn l
DRILLER	CASING	N DRILL HO	E) LE DI	(PLA) JRING	IATIOI DRILL	N LING I	I LOC	GGED BY CWN BY

DRILLER CASING IN DRILL HOLE DURING DRILLING I

COMMONED WATER LEVEL INDRILL HOLE ◀ (DATE)

COMPLETED

PLACE TOKYO MAR 1965 DRAWING No.

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HAZAMA- GUMI L.T. D (CONT RACTOR)

#### GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA FEATURE RIGHT BANK CO ORDINATES E609 km 735 N 1,384 km 370 R.L. GROUND 19.90 HOLE No. D.H 6407-2 -LOCATION NAVGATION ANGLE FROM HORIZONTAL 90° DIRECTION CHANNEL ( A LINE) STRUCTURES

STRUCTURES

STRUCTURES

STRUCTURES

STRUCTURES

STRUCTURES

STRUCTURES DISCRIPTION OF CORE SOIL OR R.L. DEPTH WATER STANDARD PENETRATION GROUP NAME LARGEST ASING SIZE LOG OF ORE **ROCK TYPE** TEST N VALUE AND SMALEST SIZES LEVE L 10 20 30 40 50 60 CLAY bluish gray CLAYEY 7-10 bluish gray SAND very graded medium of coarse grained 58 SAND bluish gray coarse sandstone Pebbles are cruched containing pebble by drilling dia 1cm to 2 cm GRAVEL 50 Pebble consists of 48 quartz and quartzite mottled bluish gray to white Some joint dip 50. SHALE 65 fresh blackish gray End of hole 30.0" EXPL ANATION DRILLER BY DRAWN S CHECKED CASING IN DRILL HOLE DURING DRILLING ! WATER LEVEL INDRILL HOLE (DATE) COMMONED BY THIN WALL SAMPLING I COMPLETED SHEET

TOKYO MAR

1965

DRAWING

1//

HAZAMA-GUMI L.T.D (CONTRACTOR)

#### GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA FEATURE RIGHT BANK
HOLE No. D.H 6408 CO-ORDINATES E611 km 470 N [.39.4 km 935 R.L. GROUND 19.80
LOCATION NAVGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

	DISCRIPTION OF CORE	D I	l	1	1.69	CTRUCTURES:	T	CTANI	2 4 12	0.01	AICY	DAT
OIL OR	GROUP NAME LARGEST AND SMALEST SIZES	CASING	STZE OF CORE	- LOG	LIFT CORE RE COVERY	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANI TEST		N		UE
	-		WRE	<del>                                     </del>	200			<u> </u>		<del>~</del>	7,5	
<u> </u>	gray	$\vdash$	-	1		With Same plant Roots						
CLAYEY	-	َــ [	]- ,	(1)		-		-		÷		
SILT	brown -	ĺ.	88									
	-	2-	٠,	11		:	]					
	· -	-		1/	90	-			-			-
=	yellowish brown	3		11	1	*	T-/			:		
CLAY	7			11								
	-					with laterite nodule	s					
	-	5	_	11		grain size o 2- 0.3						
-	- Lark brown	.	58	11		with laterite nadules		-		-		
		6-	-	1/,	*	grain size 05 cm						
SILTY												
	yellowish gray	2-	_									
		8-		11		containing calcareous						
CLAY -		-		1/		nodules dia 3 5 cm						
	dark brown	9-	1									
ANDSTONE	decomposed	1 -	1	•		intama la tara de la com						
iighly	Sandstone Pale greenish gray	10-	]	:		intercalate clayey Seam in part						
reathered		//		<u> </u>		caleite veins are						
OPHYRITE	grasty porphyritic Rock	-		×		Spaced 20 cm to 50		•				
	NO R	12-		<del>  ~</del>								
		13-	1			End of hole 12.00					,	
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DRILLER	EXPLANATION  CASING IN DRLL HOLE DURING DRILLING.	DRAWN BY
COMMONED	WATER LEVEL INDRILLHOLE    (DATE)	CHECKED
COMPLETED	THIN WALL SAMPLING	BY
	PLACE DATE TOKYO MAR 1965	SHEET 1 OF 1

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HAZAMA - GUMI L.T.D (CONTRACTOR)

#### GEOLOGIOAL LOG OF DRILL HOLE

	• 1 7 7 7 4 4		_ '';
SAMBOR	CANAL . CAMBOOIA	÷	FEATURE

THIN WALL SAMPLING |

RIGHT BANK

CO-ORDINATES EGII km 480 N 1.394 km 825 R.L. GROUND 19. LO HOLE No. DH 6409 LOCATION NAVGATION ANGLE FROM MORIZONTAL 90° DIRECTION CHANNEL (A. LINE) CONER RE-DISCRIPTION OF CORE WATER STANDARD PENETRATION R.L DEPTH STRUCTURES SOIL OR JOINTS. VEINS. SEAMS FAULTS. CRUSHED ZONES GROUP NAME LARGEST CASING STZE LOG TEST N VALUE ROCK TYPE AND SMALEST SIZES -10 20 30 40 50 60 with plant roots grayish brown [ SILTY CLAY bearing some Late rite nodules CZAY 58 brown gradational boundary completely decomposed SILTY -Sandstone: SAND fine to medium grained. brown 7-2 SANO STONE bearing clayey part highly wethered 48 jointed SANDSTONE 30 100 weathered bluish gray End of hole 10.00 LOGGED BY DRAWN BY **EXPL ANATION** CASING IN DRILL HOLE DURING DRILLING DRILLER WATER LEVEL IN DRILL HOLE ◀ (DATE) COMMONED CHECKED

MA R

1965

DRAWING

TOKYO

COMPLETED

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN.
HAZAMA-GUMI L.T.D. (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE SAMBOR CANAL, CAMBODIA **FEATURE** RIGHT BANK HOLE NO. D H 6410 CO-ORDINATES E 612 km 220 N 1,392 km 95 RL GROUND 20 80 LOCATION NAVGATION ____CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION DISCRIPTION OF CORE RL DEPTH WATER STANDARD PENETRATION SOIL OR STRUCTURES, GROUP NAME LARGEST JOINTS, VEINS, SEAMS TEST. N VALUE **ROCK TYPE** SIZE AND SMALEST SIZES FAULTS, CRUSHED. ZONES 10 20 30 40 50 60 CORE grayish brown with plant roots plosticity dry - 39 n SILTY ferruginaus nodules under going laters-/₃₀cm dia 0.5 ~ 10 cm sation CLAY 85 58 47/30 5brown SHALE consists of many Completely shale fragments. Weathered dark brown SHALE Highly Weathered brittled blackish gray 9 SHALE OR SILTSTONE britted blackish gray 10 End of hole 10.00 m 12 13 14 15 16 18 19 EXPLANATION DRILLER CASING IN DRILL HOLE DURING DRILLING ! WATER LEVEL INDRILL HOLE ◄ (DATE) COMMONED

THIN WALL SAMPLING !

BY

DRAWING

1965

TOKYO

COMPLETED

HAZAMA - GUMÎ L.T D (CONTRACTOR)

### GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL CAMBOOIA HOLE No D.H 6411

FEATURE

RIGHT BANK

CO-ORDINATES EGIO km 725 N 1386 Km 270 R.L. GROUND 18.00 LOCATION NAVGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION DISCRIPTION OF CORE RL DEPTH STRUCTURES WATERSTANDARD PENETRATION

ROCK TYPE	GROUP NAME LARGEST AND SMALEST SIZES		OF.	Iron	≥ تېسا	EALL TO COLLEGE TONE	LEVEL		N		
*	<del></del> ;		CORE	<u> </u>	288	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, GRUSHED ZONE	S	10 20	30 40	VALU 50	
			-			·		-	-	_	
	Dark Gray	_				With Plant Roots					
SILTY -	Plostic, Dry					Bearing Calcareous Nadule	s	1			
CLAY	Dark Brown	-	-		-	Dia lcm ∼ 3cm	-		- :		
CLMI	Decomposed Sandstone brown	2—				Sandy in part					
	DIOWII -	-	-	۲.	90				-		
SANDSTONE	:	3	,	•	50	Joints are Spaced				•	
Highty				•		3cm ~ 5 cm and are stai	ned			-	
	Mottled Yellow brown	4-	58	•					-		
SANDSTONE		-	1	•		Joints are spaced	_				
Weathered	mottled Yellow brown	5—	-	•		5cm		,	-	-	
SANDSTONE			-	•		Jointed spaced	-			-	
		6		•	1	10 cm but no stained					
Fresh	Yellow wish gray			Ŀ		-					
		7—				End of hole 700 m					
	_	8-					-				
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WATER LEVEL IN DRILL HOLE ◄ (DATE) THIN WALL SAMPLING TOKYO

CHECKED BY DRAWING No ...

1965

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HAZAMA - GUM! L.T.D (CONTRACTOR)

## GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA

FEATURE

RIGHT BANK CO- ORDINATES E612 km 125 N 1,392 km 685 R.L. GROUND 20.30 HOLE No. D.H 6412 CHANNEL ( A. LINE) LOCATION NAVGATION

ANGLE FROM HORIZONTAL 90° DIRECTION

SHEET

DRAWING

No. ---

DATE

1965

TOKYO

PLACE

	NAVGATION CHANN	<u> </u>	: ·	<u>-</u> -'		- WACE LIN	OM HORIZON	MAL .3	io. " nike	.6110	านิ	
SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE- COVERY%	STRUCT JOINTS, VEIN FAULTS, CRUS	TURES NS, SEAMS SHED ZONES	WATER	STANDAF TEST	N	ŶΑΙ	UE -
	-	$\Box$					-		<u> </u>		-	
	grayish black	-		17		organic	soil	-			- <del></del>	
_	Plastic dry	   / =						1				-
		.		1/			-		-			
CLAY	dark brown	2-		1	}	· · · · · · · · · · · · · · · · · · ·					•	
	decomposed shale	ŀ	48		90	With shale	e fragment.	r				-
<del>.</del>		و	70			in upper		•	-			
-	brown	- '					÷			-		
SHALE		4		=		consists o	of shale	1				_
highly	• -					detritus.	dia 1 cm		-		-	-
weathered	-	5-	_		-	~3 cm	•	-			-	-
-	- brown	6_									_	-
• •		-				End of t	Fole					
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DRILLER	CASING IN DRI	ш но	EX LE DI	(PLA	NATIO	ING I		LOC	GGED BY AWN BY CKED			-,
COMMONED	WATER LEVE							DR/	AWN BY -			

THIN WALL SAMPLING |

16

COMPLETED

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA - GUM I L.T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

BOOIA FEATURE RIGHT BANK
OO-ORDINATES E 611 Km 520 N 1,389 km 405 R.L. GROUND 20.50 SAMBOR CANAL, CAMBOOIA HOLE No D.H. 6413

LOCATION	NAVGATIO	N CHANN	EL (4	1. LIN	E)		ANGLE FROM H	ORIZONI	TAL !	90° - Dii	RECTION	
SOIL OR ROCK TYPE	DISCRIP	TION OF CORE				7 N N N N N N N N N N N N N N N N N N N	STRUCTURES JOINTS, VEINS, SE FAULTS, CRUSHED Z	5	WATER		RD PENET	RATIO
RUCK ITPE	LARGES	T AND SMALES	CASING	SIZE OF CORE	LOG	1288 1288	FAULTS CRUSHED Z	ONES -	LEVEL	TEST	N V	ALUE
	-12	<u> </u>	-		-	ļ-				-		
	Jrayi e j	brown			1/	1 .	with some plant	roots	:	•	•	- :-
-	İ .	r	1		1/					-		
	1	-		1	1/	1	-	Ì	-	*	-	
. '		-	2-		1/2	1		- :				
CLAY	becomin	q lateritised	3-	4		1.	scattered some		T-1			s.
			.				ferruginous nodu		<b>√</b>	water	level	
.]:-			4-	1	1/2	80	dia 0.5cm ~ 1.00	:m ·				
_					//	-	-	.		,	-	
	,		5	1	1	1				•	. •	7
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SILTY				-				-	ĺ		_	
SAND			ю-			-			ļ		147	
	-	- -	-		//					-	14 ^R 30cm	
	dark bro	1.4 <b>m</b>	11-		1,							
<del></del>	duk bio	w	12_		<i>L</i> _				ĺ			
	<b>.</b>						-		.]		~	- 24
SAND	fime, or s	il <b>ty</b> ,	13—		٠, ٠,	40			ĺ			
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	•	,	14-		• • •	·	containing orga	am ic	İ	-	43	ņ.
CDAVE	brown		15	· [	4		ma terro i,					7 30cm
GRAVEL	gray.					80	pebble dia icm~;	s cm ·		•		,
SANDSTONE	  -		16-		٠.		consists of chart or quartzite.			-	• -	* -
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	•		17-	ĺ	٠	100	•	,		- `		-
weathered	bluish g	ray	18_		.	ĺ						-
SANDSTONE	good co	re	-		•				1	,		_
fresh in		<del>-</del> "	19-		•		la'st-a				•	
general	bluish gr	o y	20		. ]	90	Jointed spaced 3 cm to 5 cm		-  -			=
							End of hole 20.00	m			<del></del> -	
DRILLER	Y. S	CASING IN DRL	L HOL	EX E OUF	PLA	NATI DRIL	ON LING I		1	ED BY		
-	28.1.65	WATER LEVEL	IN DR	LL H	OLE			<u>.</u> کې	1	WN BY		
COMPLETED		THIN WALL :	5,AMP	LING	1	PLA	CF Inter	-,	i	T J	OF 2	
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TECHNICAL COOPERATION AGENOY TOKYO JAPAN OVERSEAS HAZAMA-GUMI. L.T.D (CONTRACTORS) TEST PIT AND AUGER HOLE LOG SAMBOR CANAL CAMBODIA COORDINATES - E 611 km 570 N 1,394 km 945 R.L GROUND 1900 HOLE No A.H 6402 NAVIGATION CHANNEL FROM HORIZONTAL 90° LOCATION ANGLE SOIL DESCRIPTION LOG OF EXCAVATION COMMENTS SOIL TYPE OF top soil with grass roots shrinkge cracks open osemevery plastic dry 50 cm strength CLAY with laterite nodules. brown 2.5 SILT half dry brown bearing calcareous nodules, dia max water CLAYEY Level 4.0 40 m/m  $\nabla$ SILT wet dark brown End of hole 5.00 possible to augar

deeper.

HOLE MADE BY JAPAN COMMENCED 1.65 COMPLETED 23 . I . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA-GUMI, L.T.D (CONTRACTORS) TEST PIT AND AUGER HOLE LOG SAMBOR CANAL FEATURE CAMBODIA HCLE No A.H. 6403 . COORDINATES E 611 km 595 N 1,394 km 815 RL GROUND 19,00 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL DEPTH ÖF SOIL DESCRIPTION - OF EXCAVATION SOIL - TYPE . LOG COMMENTS HOLE "TOP SOIL ORGANIC DRY -SHRINKAGE CRACKS OPEN ICM EVERY PLASITIC ro: 50 CM BEARING LATERETE CLAYEY 1.5 NODULES , DIA MAX SILT 0.5 CM 20-HALF WET BROWN 20. SILTY CLAY BROWN 3,0 B. 5-LEAN . STIFF SILTY WITH CALCAREQUS 40-NODULES , MAX SAND DIA 30 m/m NO WATER FOUND 4.5 HALF WET DARK BROWN END OF HOLE 5.00M POSSIBLE TO AUGER DEEPER.

HOLE MADE BY JAPAN

COMMENCED 23.1.65

OMPLETED 23. 1. 65

HAZAMA-GUMI, LTD (CONTRACTORS)

## TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA HOLE No. A.H 6404

FEATURE

LOCATION NAVIGATION CHANNEL

COORDINATES E 611 km 775 N 1 3 )3 km 880 R.L GROUND 19.00

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	OF LOG OF EXCAVATION	N PLE COMMENTS
SILTY CLAY	try, gray  half dry  dark brown	0.5	-
SANDY CLAY	gradually wet yellowish brown decomposed sand- stone. bearing sand	1.5 - Water Level 20 - 2.5 -	
SANDSTONE Weathered	stone fragments brownish yellow	30-	

End of hole 3.20

HOLE MADE BY JAPAN

COMMENCED 23.1.65

COMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN - HAZAMA-GUMI, LT.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE
HOLE No. A H 6404 COORDINATES E 611 km 745 N 1.393 km 860 R L GROUND 19.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM — PLE No.	COMMENTS
SILTY CLAY	Top soil dry, gray with pebble half dry grayish brown	0.5			organic.  no water found.

End of hole 1.20

stopped by pebble.

HOLE MADE BY JAPAN

COMMENCED 23. 1.65

COMPLETED 23. 1 .65

HAZAMA-GUMI, LTD (CONTRACTORS)

## TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

SAMBOR CANAL CAMBODIA FEATURE FATURE HOLE NO. 4 H 6405 COORDINATES E 6 12 km 35 N 1392 km 890 R.L. GROUND 2000

LOCATION NAVIGATION CHANNEL - ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No	сомментя
SANDY CLAY	Top soil  half wet brown  with Laterite nodu dia 40 m/m  grayish brown	0.5 _ 1.0 _ /es 1.5 _ 20 _ 2.5 _			Organic
SANDSTONE Weathered	grayish brown	30	:		no water found

End of hale 3.00m

stopped by rock.

HOLE MADE BY JAPAN

COMMENCED 25 I.65

COMPLETED 25, 1.65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA-GUMI. L.T.D (CONTRACTORS)

# TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HOLE NO.A.H 6406 COORDINATES E 611 km 50 N 1.386 km 980 R L GROUND 24.00

LOCATION NA	VIGATION CHANNEL	, F 6 1 1	N 1.386 km : ANGLE FROM		
SOIL TYPE	SOIL DESCRIPTION	OEPTH OF HOLE	LOG OF EXCAVATION	SAM-	
CLAY	Top Soil  dry . brown				organic
SHALE Weathered	with Shale fragments grayish brown	0.5-		1	no water found

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

COMPLETED 23 . I .65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA-GUMI LTD (CONTRACTORS)

## TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA -

HOLE NO AH 6407

COORDINATES

FEATURE E 612 km 195 N 1390 km 625 RL GROUND 19.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	OEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No	COMMENTS
CLAY SANDSTONE Weathered	dry grayish brown.  half wef brown  dry pale brown	0.5			no water found

HOLE MADE BY JAPAN

COMMENCED 26, 1.65

COMPLETED 26.1.65

	OVERSEAS TECHNICAL C	-	- '-					
	OVERSEAS TECHNICAL C						-	: -
SAMBOR CANAL HOLE NO A.H 6408 LOCATION NAVIGA	HAZAMA GUMI TEST PIT AN CAMBODIA	LT.	D (CON UGER FI km 615	HOLI EATURE 5 N1.31	ORS) ELOG : 88 km 3	25 F	R L GROUND CONTAL 90	
SOIL TYPE	SOIL DESCRIPTION	DEPTH OF Hole	LOG	FEXCA	VATION	SAM-PLE	COMMEN	rs
SILTY SAND	Top Soil White	- [	-, -	.:''	-			
ل ا	Consists of heldspathic	0.5	, ⁻ :	:		- :	- -	-
Weathered	dry buff -		-	•	-		no-water	found
			End of	hole	0.70		stopped	by rock.
		-						
		-	: - - :	· ·			 	
		-					-	-
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HOLE MADE BY JAPAN

COMMENCED 26 . 1 .65

COMPLETED 26 . 1 .65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN . HAZAMA-GUMI, L.T.D (CONTRACTORS) TEST PIT AND AUGER HOLE LOG SAMBOR CANAL FEATURE HOLE NO AH 6409 COORDINATES E 6 1 1 km 885 N 1.388 km 260 R.L GROUND 19.00 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90° DEPTH SAM-PLE SOIL TYPE OF SOIL DESCRIPTION LOG OF EXCAVATION COMMENTS HOLE SILT Top soil gray 0.5 dry yellowish brown 1.0 SANDY 1.5 -5/4T. 20-2 5half wet gray or grayish yellow SILTY SANO yellowish brown 4000 stopped by weter

HOL MADE BY JAPAN

COMMENCED 26. 1.65

COMPLETED 26. 1.65

HAZAMA-GUMI. L.TD (CONTRACTORS)

### TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

**FEATURE** 

HOLE NO. A H 6410 LOCATION NAVIGATION CHANNEL

COORDINATES E 612 km 265 N I. 388 km 235 RL GROUND 20.00

ANGLE FROM HORIZONTAL 90°

LOG OF EXCAVATION PLE DEPTH COMMENTS SOIL TYPE SOIL DESCRIPTION OF HOLE 5147 TOP Soil drilling by spiral SAND STONE with sandstone auger fragments weathered. no water found dry buff

End of hole 0.80 m

stopped by rock.

HOLE MADE BY JAPAN

COMMENCED 26 1 65

COMPLETED 26. I 65

-	OVERSEAS TECHNICAL	L COOPERATION AGENCY TOKYO JAPAN 28
- -	HAZAMAGUN	JMI. L.T.D (CONTRACTORS)
		AND AUGER HOLE LOG
SAMBOR CANAL.	CAMBODIA	FEATURE
HOLE NO A H 6411	COORDINATES	E612 km 90 N 1.388 km 230 R.L GROUND 20.00
LOCATION NAVIO	SATION CHANNEL	ANGLE FROM HORIZONTAL 90
SOIL TYPE	SOIL DESCRIPTION	DEPTH SAM- OF LOG OF EXCAVATION PLE COMMENTS
24 414 (14 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	,	
CLAYEY SAND	- Lean. dry buff	
SANDSTONE weathered		-0.5 - no water found
	-	End of hole 0.70 stopped by rook

HOLE MADE BY JAPAN

COMMENCED 26 . 1 . 65

COMPLETED 26 . I 65

HOLE MADE BY JAPAN

COMMENCED 26,1,65

COMPLETED 26.1.65

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OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI L.T.D (CONTRACTORS)

### - TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE NO. A H 6415

COORDINATES. E 609 km 485 N 1.386 km 320 RL GROUND 19.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	OF LOG OF EXCAVATION PLE COMMENTS	
SOIL TYPE	top Soil  dry brown  plastic with is grain half wet brown	OF LOG OF EXCAVATION PLE COMMENTS  Organic.  many Shrinkay  Cracke.  10- 25- 20- 25- 30- 7- 15- 20- 25- 30- 30- 30- 30- 30- 30- 30- 30- 30- 30	e
	 wet. brown	45	-

End of hole 5.00

stopped by water

HOLE MADE BY JAPAN

COMMENCED 9 . 1 65

COMPLETED 9.1.65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA-GUMI LT.D (CONTRACTORS) TEST PIT AND AUGER HOLE LOG
SAMBOR CANAL CAMBODIA FEATURE
HOLE NO A. H. 6417 COORDINATES E 609 KM 540 N1.385 KM 175 RL GROUND 18.00 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90° DEPTH OF HOLE SOIL . TYPE SOIL DESCRIPTION LOG OF EXCAVATION SAMPLE COMMENTS top soil. Rice paddy many shrinkage half wet crack grayish brown high plasticity with no grain mottled yellow-brown yellowish brown half wet brown no water found End of hole 5.00 m possible to auger deeper HOLE MADE BY JAPAN COMMENCED 7. 1. 65 COMPLETED 7. 1 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA - GUMI . L.T D (CONTRACTORS) -TEST PIT AND AUGER HOLE LOG SAMBOR CANAL CAMBODIA FEATURE: HOLE No A.H 6418. COORDINATES E 609 KM 610 N 1.385 KM 370 RL GROUND LOCATION . NAVIGATION CHANNEL ANGLE FROM HORZONTAL 90° SOIL TYPE SOIL DESCRIPTION LOG OF EXCAVATION COMMENTS with some grass roots top Soil organic 1,5 End of hole 3.00" possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 4.1.65

COMPLETED 4 . I . 65 .

SAMBOR CANAL HOLE No. A.H 64	CAMBODIA	, - L.T D NND AUGE	AGENOY TOKYO (CONTRACTORS) R HOLE LO FEATURE N 1,384 km 220	G.
LOCATION NA	VIGATION CHANNEL	<del></del>	ANGLE FROM H	IORIZONTAL 90°
SOIL TYPE	SOIL DESCRIPTION	OF LOG	OF EXCAVATION	NO COMMENTS
CLAY	Lean, no stiff  half well brown	0.5-	water Level	Houghed field forming Levee bank.
SILTY	Uniform with no muterial coarser than fine sand	2.0—		
	wet grayish brown	30-	of hole 3.50 m	of a collaboration
		- Eng	01 Nate 3.30 m	stopped by water

HOLE MADE BY JAPAN

COMMENCED 27 . 12 . 64

COMPLETED 27 . 12 . 64

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	HĀZAMĀ GUI	MI, L.	.T.D(	CONTRA	ACTORS)		
SAMBOR CANAL	TEST PIT	AND	AUGE	R_HC	JFE F	OG	
HOLE No. AH 642	CAMBODIA COORDINATES	E 609	9km 870	N - 1,3	184 km 22	5 7-	R.L GROUND 19.
LOCATION NAVIG					: 1. 7 A.J. 1	3	ZONTAL 90°
and a support	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	DEPTH		7 (0,1,1) 7 (24)		SAMPLE	
SOIL TYPE	SOIL DESCRIPTION	HOLE	LOG	OF E	XCAVATION	NO	COMMENTS
**************************************	Organic Soil	जे 🖳		7		- + -	Rice paddy
	plastic high dry	0.5		1//		, ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	- <u> </u>
	brown		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
	Drown.	1.0			.,-		
	half dry	1.5—	1	17/	Water	J & _	
	brown.		-:;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	1//	Level		
CLAY.		20-		177			
	Uniform character	- 2.5		13	5 <u>-</u>		·
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		4.0-	 ,				
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	half wet	4.5—	2 (6)		<u> </u>	-	1
The tent of the	grayish brown			1/	-	777	
			End o	f hole	· 5.00m	/	possible to au
				لام يو" وفي			deeper
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HOLE MADE BY JAPAN

COMMENCED 22. 1.65

COMPLETED 22 1.65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN HAZAMA-GUMI L.T.D (CONTRACTORS) TEST PIT AND AUGER HOLE LOG
SAMBOR CANAL CAMBODIA
HOLE NO.AH 6423 COORDINATES E609 km 75 N 1.390 km 795 RL GROUND 20.00
LOCATION NAVIGATION CHANNEL 90° LOG OF EXCAVATION SOIL TYPE SOIL DESCRIPTION ... COMMENTS Recent. Levee bank dry : brown : = SILTY CLAY With no Grain Uniform Charac-Water Level reddish brown End of hole 5.00 " stopped by Water.

HOLE MADE BY JAPAN

COMMENCED 22 1 . 65

COMPLETED 22. 1.65

