

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
**F - 4**  
 (SHEET 1 OF 2)

**TEST PIT AND AUGER HOLE LOG**

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 609 Km 42 N1, 389 Km 48 R.L. GROUND ----- m

DETAILS OF LOCALITY: ----- TYPE OF EXCAVATION Pit 1.0m x 1.5m  
Percussive Boring  $\phi$  73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SAND		Medium to fine grained.  Bearing few pebbles.			59	Base of pit Hole 30m
		Small ellipse shaped pebble (2cmx3cm dia.), Well rounded.				
		Continued				

HOLE MADE BY Japan  
 COMMENCED 6 Mar. 63  
 COMPLETED 12 Mar. 63

LOGGED BY H. Suetomi  
 DRAWN BY H. Suetomi  
 CHECKED BY F. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
**F - 4**  
 (SHEET 2 OF 2)

**TEST PIT AND AUGER HOLE LOG**

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 609 Km 42 N1,389 Km 48 R.L. GROUND \_\_\_\_\_ m

DETAILS OF LOCALITY \_\_\_\_\_ TYPE OF EXCAVATION Pit 1.0m x 1.5m  
Percussive Boring  $\phi$  73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		Medium to Fine grained. Bearing few pebbles.	5.5			59	
		Coarse grained, Bearing some to little pebbles.	60 65 70 75 80 85 90 95 100				
		Base of Hole 10.0m					

HOLE MADE BY Japan  
 COMMENCED 5.Mar.63  
 COMPLETED 12.Mar.63

LOGGED BY H. Suetomi  
 DRAWN BY H. Suetomi  
 CHECKED BY F. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
**F-5**  
 (SHEET 1 OF 2)

**TEST PIT AND AUGER HOLE LOG**

LOCATION: Sambor Project, CAMBODIA

FEATURE Right Bank

CO-ORDINATES: E 609 Km 17 - N 1,389 Km 95

R.L. GROUND \_\_\_\_\_ m

DETAILS OF LOCALITY \_\_\_\_\_

TYPE OF EXCAVATION Pit 1.0m x 1.5m

Percussive Boring  $\phi$  73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SAND		Fine grained	05	[Diagram showing excavation profile]		60	Base of pit Hole 36m
			10				
			15				
			20				
			25				
			30				
			35				
			40				
			45				
		Continued.	50				
			55				
			60				
			65				

HOLE MADE BY Japan  
 COMMENCED 6. Mar. 63  
 COMPLETED 12. Mar. 63

LOGGED BY H. Suetomi  
 DRAWN BY H. Suetomi  
 CHECKED BY F. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
**F-5**  
 (SHEET 2 OF 2)

**TEST PIT AND AUGER HOLE LOG**

LOCATION Sambor Project, CAMBODIA.

FEATURE Right Bank

CO-ORDINATES: E 609 Km 17 N 1,389 Km 95

R.L. GROUND \_\_\_\_\_ m

DETAILS OF LOCALITY \_\_\_\_\_

TYPE OF EXCAVATION Pit 1.0m x 1.5m  
Percussive Boring  $\phi$  73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		

SAND		Bearing dust of vegetation	55	[Diagram of soil profile]		60	
		Grading; Lower layer somewhat coarser than upper.	65				
		Bearing small size pebbles 1cm dia	75				
			80				
			85				
			90				
			95				
			100				

		Base of Hole 10.0m					
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HOLE MADE BY Japan  
 COMMENCED 6. Mar. 63  
 COMPLETED 12. Mar. 63

LOGGED BY H. Suetomi  
 DRAWN BY H. Suetomi  
 CHECKED BY F. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 611 Km 830 N 1,396 Km 320 R.L. GROUND 22 m 350

DETAILS OF LOCALITY DETAILS OF LOCALITY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			

SILTY SAND	ML	fine grained. brown.	0.5				Containing plant roots.
CLAYEY SAND	SC	silty clay with sand and completely weathered sandstone boulders. Mottled yellowish brown and pale grey.	1.0 1.5 2.0				with lateritic nodules, 0.5 cm dia. shrinkage cracked damp in places
SANDSTONE		Completely weathered yellow to yellowish brown	2.5				massive, damp.
			3.0	base of pit, 2.7 m.			
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 12, Nov, '63  
 COMPLETED 15, Nov, '63

LOGGED BY N Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 LP - 2

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 612 Km 540 N, 396 Km 820 R L GROUND 21 m 350  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
CLAYEY SILT	CL	gray, clayey silt Containing few angular sand stone(30 cm dia.)	0.5				Containing plant roots
SILTY CLAY		reddish yellow, medium plasticity.	10				shrinkage cracked.
SANDSTONE		sedentary soil with weathered sandstone Completely decomposed due to weathering. completely weathered yellow.	15				moistured in place.  massive state water level 20, Nov, 63
			20	base of pit. 1.8 m			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN.  
 COMMENCED 13, Nov, '63  
 COMPLETED 13, Nov, '63

LOGGED BY N. Y.  
 DRAWN BY H S  
 CHECKED BY N. W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER

LP - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 280 N 1,397 Km 480 R.L. GROUND 27 m 150

DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT	ML	pale red, silt, fine					with grass roots.
SILTY CLAY	CL	pale red, silty clay fine.	0.5				damp.
		yellow, silty clay, with some lateritic nodules 0.5 cm dia and calc nodules 0.5cm dia	10				
		yellow silty clay low to medium plastic, fine, hard and moist in place. with moderately weathered sandstones.	15 20 25				
SANDSTONE	GW	medium grained, highly weathered. yellow.	30 35 40				massive state damp.
			45	base of pit, 4.4 m.			
			50 55 60 65				

HOLE MADE BY JAPAN  
 COMMENCED 12, Nov, '63  
 COMPLETED 18, Nov, '63

LOGGED BY N.Y  
 DRAWN BY H.S.  
 CHECKED BY H.W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 L P - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 613 km 750 N 1,397 km 750 R.L. GROUND 27 m 600  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND	ML	grayish brown, silty sand, fine.					
LATERITE	SC	gray	0.5				laterite nodules (0.5-1.0 cm dia)
SILTY CLAY	CL	yellowish gray silty clay, hard and dry in place	1.0				calc nodules (5-10 cm long)
SHALE		completely weathered Sheeting is spaced 0.5 to 1.5 cm. largest debris to 5 cm. in size. Partially clayey due to strong weathering. with soft limy materials	1.5				Bedding; strike N 25° E, dip 65° NW
			2.0				
			2.5				
			3.0				
			3.5	base of pit, 3.4 m.			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY JAPAN  
 COMMENCED 12, Nov, '63  
 COMPLETED 16, Nov, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 6.14 km 250 N 1,398 km 120 R.L. GROUND 28 m300  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILT		grayish brown.					
LATERITE	SC	reddish brown.	0.5				lateritic nodules 0.5 ~ 1.0 cm dia.
SHALE and SANDSTONE	GC	Strongly weathered and stained to yellow. largest size to 5cm in angular.	1.5				Sandstone is fine grained and jointed. Bedding: strike N 15° E, dip 50° N.W.
				base of pit, 1.6 m			

HOLE MADE BY JAPAN  
 COMMENCED 14, Nov, '63  
 COMPLETED 15, Nov, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 6

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

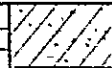
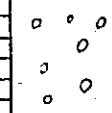
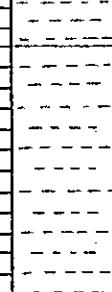
DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
LATERITE	SC	grayish brown. Containing lateritic nodules.					with grass root. dry.
SILTY CLAY	CH	yellowish brown cohesive. include some calc nodules 2.5 cm dia.	0.5 10				dry.
CLAYEY SILT	CL	yellowish brown, with highly weathered shale fragments.	1.5 20				
SHALE		Clayey due to highly degraded weathering.	25				closely jointed
			30	base of	pit, 2.8 m.		
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 16, Nov, '63  
 COMPLETED 19, Nov, '63

LOGGED BY N.Y  
 DRAWN BY H.S.  
 CHECKED BY H.W

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.						EXCAVATION NUMBER <b>LP - 7</b>		
ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)								
<b>TEST PIT AND AUGER HOLE LOG</b>								
LOCATION		Sambor Project, CAMBODIA			FEATURE			Left Bank
CO-ORDINATES		E 615 Km 500 N, 1398 Km 480			R.L. GROUND		35 m 300	
DETAILS OF LOCALITY		DETAILS OF LOCALITY ①-LINE			TYPE OF EXCAVATION		1.0 m x 1.5 m	
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS	
				PERMEABILITY				
SILTY SAND	ML	grayish brown, fine.					with roots.	
SILTY CLAY	CL	yellow.	0.5					
LATERITE	SC	reddish brown, dia. to 0.5cm, or so.	10				dry.	
SHALE	CL	yellow, completely weathered.	15					
	GC	Partially clayey due to high degree weathering. Bearing limy nodules 15 to 3cm. largest size of rock fragment to 5cm.	20 25			LP - 7	Bedding; strike N40° E, dip 75° NW Sheeting is spaced 1 to 2cm.	
			30				base of pit, 2.8 m.	
			35					
			40					
			45					
			50					
			55					
			60					
			65					
HOLE MADE BY <u>JAPAN</u> COMMENCED <u>16, Nov. '63</u> COMPLETED <u>19, Nov. '63</u>				LOGGED BY <u>N. Y.</u> DRAWN BY <u>H. S.</u> CHECKED BY <u>K. W.</u>				

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 616 km 080 N 1,398 km 670 R.L. GROUND 42 m 900  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY SAND	ML	grayish black.					with grass roots.
LATERITE	SC	reddish brown, including laterite nodule 2.5 cm dia.	05 10				almost dry
SILTY CLAY	CL	reddish yellow,	15				with few plant roots.  damp.
		completely weathered. shale fragments in silty clay.	20 25				
		grey to dark grey.  dark greyish brown. with soft limy materials in part.	30 35				
			35	base of pit, 3.5 m			
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 17, NOV, '63  
 COMPLETED 21, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY L.P. - 9  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank.

CO-ORDINATES: E      Km N      Km R.L. GROUND 42 m 600

DETAILS OF LOCALITY      DETAILS OF LOCALITY      ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND	ML	gray, silty sand fine.	0 - 0.5				many roots. dried.
CLAYEY GRAVEL	GC	reddish brown, with weathered shale fragments & gravels 5cm dia, (conglomerate)	0.5 - 1.0				dried.
		pale brown, Including weathered pebbles of limestone and sandstone, (20cm dia.)	1.0 - 2.0				damp.
		Bearing plenty of limy powder - like materials and nodules in greyish yellow matrix.	2.0 - 3.2				
			3.2 - 35	base of pit, 3.2 m			

HOLE MADE BY JAPAN  
 COMMENCED 19, NOV, '63  
 COMPLETED 25, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY N. W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP-10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA 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 (D)-LINE TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND	ML	gray					much roots.
LATERITE	SC	reddish brown,	0.5				dried.
		reddish brown, with angular shale fragments.	1.0				dried.
CLAYEY SILT	CL	yellowish brown, clayey silt with weathered shale fragments.	1.5				damp
SHALE		completely weathered. clayey in part grey to yellow.	2.0				damp.
		with some weathered limy nodules.	2.5				hardly jointed. Bedding; strike N-S, dip 70° E.?
			3.0	base of pit, 2.7 m.			
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 20, NOV, '63  
 COMPLETED 24, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 616 Km 630 N 1,399 Km 940 R.L. GROUND 42 m 300

DETAILS OF LOCALITY DETAILS OF LOCALITY: ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
LATERITE	SC	grayish & dark grayish laterite zone.					many nodules (0.5 cm dia.).
CLAY	CL	pale yellow. with weathered shale fragments.	0.5				moistured to dried.
SHALE		completely weathered, with some quartz veinlets 1 to 2cm thick on bedding planes.	10 15				compact and dry. Bedding planes are spaced 4 to 6 cm in strike of N 65°W and dip of 65° NE.
			20 25 30 35 40 45 50 55 60 65				
				base of pit, 1.8m.			

HOLE MADE BY JAPAN  
 COMMENCED 20, NOV, '63  
 COMPLETED 21, NOV, '63

LOGGED BY N. Y  
 DRAWN BY H. S  
 CHECKED BY H. W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP-12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 617 km 380 N 1,400 km 260 R.L. GROUND 41 m 20  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
CLAY		Bearing plenty of weathered and ferruginous shale fragments. yellow.	05				with plant roots.
SHALE and SANDSTONE		Highly weathered and clayey due to weathering  yellow to pale grey.	10				with few and fine plant roots. damp. sheeted in part. Bedding: strike N 20° W, dip 60° NE
			15	base of	pit, 1.5 m		
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 22, NOV, '63  
 COMPLETED 23, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.





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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP-14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA

FEATURE Left Bank

CO-ORDINATES: E 618 Km 300 N 1,400 Km 580

R.L GROUND 37 m 50

DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE

TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
LATE RITE	SC	dark grayish brown. reddish brown.					many nodules. (0.5cm dia)
SHALE		completely weathered, clayey in part, yellow.	05 10				partially sheeted compact. Bedding: strike N 35° E, dip 80° SE.
			15 20 25 30 35 40 45 50 55 60 65	base of	pit, 1.3 m		

HOLE MADE BY JAPAN  
 COMMENCED 25. NOV, '63  
 COMPLETED 26, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 L P - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E. 618 km 750 N. 1,400 km 720 R.L. GROUND 37 m00

DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
LATERITE	SC	grayish yellow laterite.	0.5	O C			many nodules, (0.5 ~ 2 cm dia)
		yellowish laterite.					
CLAY	CH	yellowish fat clay.	10				
SHALE		Highly weathered with clay films on bedding planes yellow.	15 20				jointed. compact.
			25	base of pit. 23 m			Bedding; strike N 10° E, dip 70° SE.
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

LP - 15

HOLE MADE BY JA PAN  
 COMMENCED 25, NOV, '63  
 COMPLETED 28, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY K. W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 619 Km 370 N 1,400 Km 910 R.L. GROUND 36 m 00

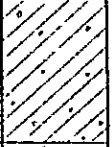
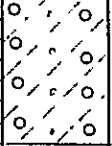
DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILT		dark gray silt.					top soil.
SHALE		Clayey due to complete's decomposition for weathering. greyish yellow.	0.5				with fine plant roots compact. Bedding planes are spaced 1.5 to 4m in strike of N 30°E and dip of 70° SE.
		clayey in part highly weathered	10				
			1.5	base of	pit, 12 m.		
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 25, NOV, '63  
 COMPLETED 26, NOV, '63

LOGGED BY N. Y.  
 DRAWN BY H. S.  
 CHECKED BY H. W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.					EXCAVATION NUMBER		
ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)					LP - 17		
<b>TEST PIT AND AUGER HOLE LOG</b>							
LOCATION		Sambor Project, CAMBODIA		FEATURE			
				Left Bank			
CO-ORDINATES		E 620 Km 350 N 1401 Km 090		R.L. GROUND		44 m 00	
DETAILS OF LOCALITY		DETAILS OF LOCALITY ①-LINE		TYPE OF EXCAVATION 1.0m x 1.5m			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
GRAVELLY SILT	GC	grayish black silt.	0.5			LP - 17	Including gravels (2.5 cm dia.)
		pale brown sandy silt.					Including gravels (5 cm dia.)
CONGLOMERATE		somewhat weathered pebbles, cobbles and boulders in a yellow clay matrix.	10			LP - 17	Pebbles and cobbles are subangular to subround and sort of them are quartz slate, shaly sandstone and quartzosed rock.
		largest boulder, 25cm in dia.					boulder (40 cm dia) on base of pit.
			15	base of pit, 1.4m.			
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
HOLE MADE BY JAPAN				LOGGED BY N. Y.			
COMMENCED 26, NOV, '63				DRAWN BY H. S.			
COMPLETED 28, NOV, '63				CHECKED BY H. W.			

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 18

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 620 Km 850 N 1,401 Km 320 R.L. GROUND 43 m 50  
 DETAILS OF LOCALITY DETAILS OF LOCALITY (D)-LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
LATERITE	SC	grayish brown. red brown.	0.5				many roots. nodules. (0.5cm dia.)
CLAY	CH	yellowish gray clay.	10				
SILT	CL	with limy nodules 1 to 1.5 cm in dia. cohesive. yellow.	15				including gravels. (3cm dia)
		Bearing completely weathered debris and fragments of shale.	20				hard.
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
				base of pit, 20 m.			

HOLE MADE BY JAPAN  
 COMMENCED 28, NOV, '63  
 COMPLETED 29, NOV, '63

LOGGED BY N.Y.  
 DRAWN BY H.S.  
 CHECKED BY H.W.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 19

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 621 Km 390 N 1401 Km 960 R.L. GROUND 43 m 00  
 DETAILS OF LOCALITY DETAILS OF LOCALITY ①-LINE TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT	ML	grayish brown silt.					
LATERITE	SC	red brown laterite.	05				nodules. (1.0 cm dia.)
		with plenty of laterite nodules to 0.5 cm in dia. reddish-brown.	10				damp.
CLAY		Mottled dark grey and yellow.	15				
		Bearing white to light pink limy nodules of round to subround or irregular shape.	20			LR-19	Some limy nodules are to 5cm. in length.
			20	base of pit, 2 m 0			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY JAPAN  
 COMMENCED 28, NOV, '63  
 COMPLETED 29, NOV, '63

LOGGED BY N.Y.  
 DRAWN BY H.S.  
 CHECKED BY H.W.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

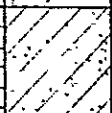

EXCAVATION NUMBER

LP - 25

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 104 N 1.392 Km 093 R L GROUND 25 m. 5

DETAILS OF LOCALITY ③ Line & LQ2 Quarry TYPE OF EXCAVATION 1.0<sup>m</sup> x 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEA BILITY		
SAND		fine grained, pale greyish yellow					plant roots.
SILTY SAND		Bearing completely decomposed sandstone fragments. light yellow.	05				few laterite nodules, 1cm. Scattering unconsolidated laterite patches, 1.5 cm.
SANDSTONE		Highly weathered & decomposed. Bearing shaly patches. pale yellow.	10				massive slate.
			15	Base of pit, 1.5 m.			
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA, Co  
 COMMENCED 28. 11. '63.  
 COMPLETED 30. 11. '63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



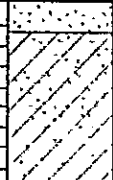
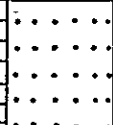
324

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 26

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 010 N 1391 Km 959 R.L. GROUND 28 m  
 DETAILS OF LOCALITY ③ Line & LQ2 Quarry TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		fine grained, yellow.					plant roots.
SILTY SAND		Containing completely weathered sandstone debris and small limy nodules, (dia. 1 mm) in a little yellow.	0.5			36	few laterite nodule, 0.5 cm.
SANDSTONE		Completely weathered & decomposed, pale yellowish brown.	10 15				massive state
			2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5		Base of pit, 1.6 m.		

HOLE MADE BY HAZAMA, CO  
 COMMENCED 28, 11, '63  
 COMPLETED 30, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 27

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES E 613 Km 590 N 1391 Km 530 R L GROUND 29 m

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
CLAYEY SILT		unsolidified yellow lateritic nodules <i>in dark brown matrix.</i>					plant roots organic small
SHALE		Highly weathered & jointed, with closely jointed clayey parts. yellow - dull yellow	0.5 1.0				Bedding spacing: 2-4 cm, strike N 15° E, dip 60° SE.
			1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 12 m.			

HOLE MADE BY HAZAMA Co  
 COMMENCED 28, Nov., '63  
 COMPLETED 29, Nov., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 28

LOCATION Sambor Project, CAMBODIA TEST PIT AND AUGER HOLE LOG  
 FEATURE Left Bank

CO-ORDINATES E 613 Km 610 N 1391 Km 340

R.L. GROUND 31 m

DETAILS OF LOCALITY ③ - Line

TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			

CLAY		Completely weathered shale fragments. dark grey.					plant roots. organic smell.
SHALE		Completely weathered. soft, clayey in part. dull yellow.	0.5			35	Bedding spacing; 1.5 - 3 cm and intercalates clay film on each bedding plane strike N 10° E, dip 85° SE.
			10	Base of pit, 09 m.			
			15				
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 5, Dec., '63  
 COMPLETED 5, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)				EXCAVATION NUMBER LP - 29		
LOCATION <u>Sambor Project, CAMBODIA</u>		FEATURE <u>Left Bank</u>				
CO-ORDINATES: <u>E 614 Km 290 N 1390 Km 670</u>		R.L. GROUND <u>36 m</u>				
DETAILS OF LOCALITY <u>(3) - Line</u>		TYPE OF EXCAVATION <u>1.0 m x 1.5 m</u>				
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No	COMMENTS
CLAYEY SILT		no coarse grains. dark brown.	0.5		36	plant roots organic smell
		laterite nodules, to 0.5 cm, in plenty.	10			slightly damp fine plant roots
SHALE		completely weathered debris cemented with clay	15	Base of pit, 2.5 m	36	sheeted and jointed Bedding ; strike N 5° E, dip 70° SE.
		Highly weathered, and clayey in part. Bearing limy nodules derived from calcite veins in some. slightly damp. yellow - dark brown	20			
			25			
			30			
			35			
			40			
			45			
			50			
			55			
			60			
			65			
HOLE MADE BY <u>HAZAMA Co.</u>				LOGGED BY <u>J. S.</u>		
COMMENCED <u>10, Dec, '63</u>				DRAWN BY <u>H. S.</u>		
COMPLETED <u>14, Dec, '63</u>				CHECKED BY <u>J. S.</u>		

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN				EXCAVATION NUMBER			
ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)				LP - 30			
<b>TEST PIT AND AUGER HOLE LOG</b>							
LOCATION		Sambor Project, CAMBODIA		FEATURE Left Bank			
CO-ORDINATES: E 614 Km 24		N 1390 Km 54		R.L. GROUND 26 m			
DETAILS OF LOCALITY		③ - Line		TYPE OF EXCAVATION 1.0m x 1.5 m			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
CLAY		laterite nodules, 0.5cm reddish brown.	0.5				plant roots.
		weak laterization. weathered shale fragment in some cohesive. yellow					Bedding spacing, 1 - 2 cm.
SHALE		Clayey due to high degree of weathering. Remaining some sound fragments or layers. yellow.	10				Sheeting in general. strike N 5° E, dip 70° SE.
			15				
			20	Base of pit, 18m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			6.5				
HOLE MADE BY HAZAMA Co.				LOGGED BY <i>H. S.</i>			
COMMENCED 7, Dec., '63				DRAWN BY <i>H. S.</i>			
COMPLETED 9, Dec., '63				CHECKED BY <i>J. V.</i>			

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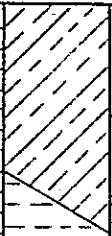
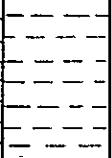
OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER LP-31

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 615 km 07 N 1389 km 75 R.L. GROUND 39 m

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION:		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY CLAY		dark brown. laterite nodules, 0.5 cm, in plenty and small quantity of shale debris and round quartz pebbles, 1cm. yellowish brown.	0.5				plant roots
SHALE		Completely weathered. Some of shale remain original feature and others became to clay cohesive in clayey part. yellow.	1.0 1.5				some limy nodules in part.
			2.0	Base of pit, 19 m			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 12, Dec., '63  
 COMPLETED 14, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 32

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 614 Km 95 N 1389 Km 56 R.L. GROUND 39 m 7

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
CLAY		laterite nodules to 0.3 cm. in a little. Bearing few coarse grains. yellow.	0.5				plant roots.
		completely weathered shale debris and frag- ments cemented with clay. yellow.	1.0				completely weathered shale.
SHALE		Highly weathered. bedding with clay film. decomposed silty veins in part, yellow.	1.5				Sheeted spacing 0.5 - 1.5 cm, strike N 25° E, dip 75° SE.
			2.0				Base of pit, 1.8 m.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 15, Dec., '63  
 COMPLETED 16, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP-33

TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 615 km 95 N 1389 km 19 R.L. GROUND 36 m 5  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
CLAYEY SILT		organic smell, dark brown.					plant roots
CLAY		laterite nodules, 0.5cm in plenty with shale fragments.	0.5				cohesive. weathered fragments
SHALE		Highly weathered and decomposed to clay in part.  clayey.  cohesive.  yellowish brown	1.0 1.5 2.0			37	slightly damp.
			2.5	Base of pit, 22cm.			Sheeting spacing, 1-15cm. strike N70°E, dip 30°SE.  slightly damp
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 12, Dec, '63  
 COMPLETED 15, Dec, '63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



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SHEET NO. 157

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS) <b>TEST PIT AND AUGER HOLE LOG</b>						EXCAVATION NUMBER LP - 34	
LOCATION <u>Sambor Project, CAMBODIA</u>			FEATURE <u>Left Bank</u>				
CO-ORDINATES <u>E 615 km 83 N 1389km 01</u>			R.L. GROUND <u>35 m 8</u>				
DETAILS OF LOCALITY <u>③ Line</u>			TYPE OF EXCAVATION <u>1.0m x 1.5m</u>				
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No.	COMMENTS	
SILTY CLAY		organic smell, dark brown				plant roots.	
CLAY		laterite nodules to 1cm and completely weathered debris or fragments of shale and siltstone.  light brown.	0.5 1.0				
SHALE		Highly weathered and clayey in part. Some parts remain original feature. yellow to yellowish grey	1.5 2.0			damp.	
			2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 2.1 m.		Sheeted and foliated, in part. Bedding; strike N 80° W, dip 40° SW, damp,	
HOLE MADE BY <u>HAZAMA Co.</u>			LOGGED BY <u>H. S.</u>				
COMMENCED <u>15. Dec., 63</u>			DRAWN BY <u>H. S.</u>				
COMPLETED <u>17. Dec., 63</u>			CHECKED BY <u>J. H.</u>				

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)						EXCAVATION NUMBER L.P. - 35	
<b>TEST PIT AND AUGER HOLE LOG</b>							
LOCATION <u>Sambor Project, CAMBODIA.</u>				FEATURE <u>Left Bank</u>			
CO-ORDINATES. <u>E 616 Km 77 N 1388 Km 73</u>				R.L. GROUND <u>38 m 5</u>			
DETAILS OF LOCALITY <u>③ - line</u>				TYPE OF EXCAVATION <u>1.0 m x 1.5 m</u>			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No.	COMMENTS	
SILTY CLAY		some laterite nodules, 0.3 - 0.5 cm				plant roots.	
CLAY		plenty of laterite nodules, 0.5 cm, in reddish brown clay.	0.5 10			few plant roots	
		with completely weathered shale frag- ments & yellow spots in grey matrix. cohesive. damp.	15				
SHALE		Weathered and decomposed in part. damp. yellow - pale grey.	20			Bedding;	
			25	Base of pit, 2.3 m.		strike N 60° W, dip 50° SW.	
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
HOLE MADE BY <u>HAZAMA Co.</u> COMMENCED <u>16. Dec., '63</u> COMPLETED <u>18. Dec., '63</u>				LOGGED BY <u>H. S.</u> DRAWN BY <u>H. S.</u> CHECKED BY <u>J. H.</u>			

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 36

TEST PIT AND AUGER HOLE LOG

LOCATION: Sam bor Project, CAMBODIA. FEATURE: Left Bank

CO-ORDINATES: E 616 Km 77 N 1388 Km 50 R L GROUND: 30 m

DETAILS OF LOCALITY: ③ - Line TYPE OF EXCAVATION: 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		laterite nodules 0.5cm. and few debris of shale brown	0.5	[Diagram showing soil profile with layers]		38	plant roots.
CLAY		no coarse grains cohesive, yellow.					organic smell.
SHALE		completely weathered. Some of layer decomposed to clay. yellow.					1.0
		highly weathered. Remaining original feature. greyish yellow					
			1.5		Base of pit, 1.4m.		Stratified shale. Spacing of beds: 1.5-4 cm, strike N 25° E, dip 25° SE.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZA MA. Co.  
 COMMENCED 17. Dec., '63  
 COMPLETED 18. Dec., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.						EXCAVATION NUMBER LP-37	
ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)							
<b>TEST PIT AND AUGER HOLE LOG</b>							
LOCATION <u>Sambor Project, CAMBODIA.</u>				FEATURE <u>Left Bank</u>			
CO-ORDINATES: <u>E 617 Km 71 N 1388 Km 20</u>				R.L. GROUND <u>39 m 6</u>			
DETAILS OF LOCALITY <u>③-Line</u>				TYPE OF EXCAVATION <u>1.0 m x 15 m</u>			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION  PERMEABILITY	SAMPLE No	COMMENTS	
SANDY SILT		laterite nodules, 0.5cm & weathered debris of sandstone and dioritic rock		/ / / / /		plant roots.	
CLAY		Scattering black laterite nodules in same quantity, and few debris of sandstone. cohesive. yellow.	0.5	/ / / / /		weak lateritization.	
DIORITE ?		Completely weathered, much white spots in greyish yellow matrix.	1.0	x x x x x		shrinkage crack to 1m deep	
SHALE & SANDSTONE		Completely weathered. greyish yellow.	1.5	x x x x x		abundant feldspar.	
			1.5	Base of pit, 1.5 m.		jointed Bedding ; obscure. strike N80° E, dep 65° SE.	
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				
HOLE MADE BY <u>HAZA MA. Co.</u>				LOGGED BY <u>H. S.</u>			
COMMENCED <u>18, Dec., '63</u>				DRAWN BY <u>H. S.</u>			
COMPLETED <u>19, Dec., '63</u>				CHECKED BY <u>J. K.</u>			

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 38

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 617 Km. 69 N 1388 Km. 00 R.L. GROUND 37. m 5  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
CLAYEY SILT		with few coarse materials, deep brown, laterite nodules, 0.5cm. and few quartz round pebbles, 3cm.	0.5				plant roots
CLAY		with weathered debris and pebbles or cobbles of shale and diorite.  cohesive.  yellow.	10				
DIORITE		Completely decomposed due to extreme weathering.  weathered dioritic cobbles or boulders of subround to sub- angular in sedentary silty matrix.	15 20 25	X X		39	massive. Matrix shows assemblage of  small rock particles.
			30	Base	of pit, 29m.		
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19, Dec, '63  
 COMPLETED 23, Dec, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER LP - 39

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 618 km 22 N 1387 km 35 R.L. GROUND 40 m 65

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine to medium grained, pinkish brown.					plant roots
		fine medium grained yellow in dry pinkish brown in wet	0.5				
SILTY CLAY		few coarse grain  cohesive.  pale greyish yellow	1.0				
		laterite nodules to lam.  weak lateritization.	1.5				
		Spotted black unsolid - fired laterite nodules in yellow matrix. cohesive.	2.0				Bearing completely weathered yellow sand stone debris in some quantity.
SANDSTONE		Completely decomposed due to weathering.  compact residual sand in situ with fine grained sandstone debris.  purple.	2.5				massive. sandy silt in powder. damp.
			3.0				
			3.5				
			40	Base of pit, 3.6 m.			
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19 Dec., '63  
 COMPLETED 26 Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. 14

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP 40

TEST PIT AND AUGER HOLE LOG

LOCATION Sanbor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 618 km 07 N 1387 km 12 R.L. GROUND 41 m 2  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine grained. light yellow - yellow. laterite nodules to 0.5cm and some round ed quartz pebbles, 1-3 cm.	0.5				plant roots
CLAY		few coarse grains.  cohesive.  orange to brown.	10 15				fine plant roots.
SANDSTONE		Completely decomposed due to weathering In situ. with some hard part in sandy matrix. fine grained. purple.	20 25				massive state. silty clay in powder.
			30 35 40 45 50 55 60 65	Base of pit, 2.8m.			

HOLE MADE BY HAZA MA. Co.  
 COMMENCED 20. Dec. 63  
 COMPLETED 24. Dec. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY LP - 41  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

LOCATION Sambar Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 620 km 07 N 1386 km 90 R.L. GROUND 37 m 6

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained, greyish yellow -yellow					plant roots.
CLAY		rounded quartz pebbles 0.2 - 0.5cm and few laterite nodules.	0.5	[Hatched pattern]			
		Completely decomposed sandstone boulder, cohesive, purple in yellowish brown	1.0				
SANDSTONE		fine grained sand- stone with few decomposed calcite veinlets.	1.5	[Dotted pattern]			massive, Able to dig by hand hoe, silty sand with some clay in powder, slightly damp.
		Remains some hard part  purple	2.0				
			2.5	Base of pit, 2.4 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 24 Dec., '63  
 COMPLETED 26 Dec., '63

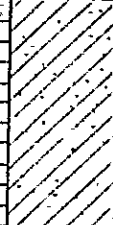

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY LP - 42  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 619 km 93 N 1386 km 70 R.L. GROUND 36 m 7  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		very fine grained. pale grayish brown.	0.5				plant roots.
		few coarse materials thin lens shaped weak lateritized 3 layers from 80cm to 1m20 deep light yellow. laterite nodules, 0.5cm 8 round quartz pebbles 1-3cm.	1.0				sand gran; fine in general. weak lateritization. thin lens.
SANDSTONE		fine grained. Completely decomposed due to weathering, in situ coffee color.	1.5				massive. limy loose materials in a little.
			2.0		Base of pit, 2.0 m.		silty sand in powder. slightly damp.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 25, Dec., '63  
 COMPLETED 26, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 43

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 620 km 88 N 1386 km 44 R L GROUND 43 m 34  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained pale grey laterite nodules to 0.3cm					plant roots
CLAY		unsolidified limy nodules to 1cm Spotting orange yellow in white matrix	05			62	weak lateritization
		laterite nodules to 1cm, in plenty reddish brown	10				
		with white limy nodules, 1cm, in a little. cohesive damp, Spotting yellow in grey	15 20 25 30				
			35	Base of pit, 3.2m.			
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27, Dec., '63  
 COMPLETED 31, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY.  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 44

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.

FEATURE Left Bank

CO-ORDINATES. E. 620km 77 N 1386 km 22

R.L. GROUND 40 m 0.5

DETAILS OF LOCALITY ③ - Line

TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained. light pink.	0.5	[Hatched]			plant roots.
SILT		low cohesive. yellow					
SILTY CLAY		few unconsolidated black laterite nodules & patches yellow.	1.0	[Hatched]			pebbles round to 3 cm quartz.
		unconsolidated black laterite nodules to 0.5cm & few pebbles. cohesive. yellow.					
SILTY SAND		Completely decomposed purple sandstone fragments & boulders in yellow matrix. purple.	2.0	[Hatched]			sand; medium grained.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				
				Base of pit, 2.2 m			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27, Nov., '63  
 COMPLETED 29, Nov., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 45

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 621 km 87 N 1386 km 96 R L GROUND 48 m 8  
 DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
CLAY		organic smell, grey to yellow, no coarse grains, cohesive, brown.	0.5	[Hatched pattern]			plant roots.
		laterite nodules, 0.3cm & few quartz pebbles.					
SHALE		Completely decomposed. plenty of limy nodules 0.5 - 1.5 cm slightly damp greyish brown.	1.0				Bedding: strike N 80°E, dip 35°SE.
			1.5		Base of pit, 1.5 m.		
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27 Nov., '63  
 COMPLETED 28 Nov., '63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 46

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Lef Bank

CO-ORDINATES: E 6 21 km 89 N 138 5 km R.L. GROUND 47 m 65

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL- DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		organic smelt, dark brown.					
CLAY		weathered, red & flat shale fragments in plenty.					plant roots
SHALE		Completely weathered and clayey in part. damp. Bedding & joint planes are yellow.  pale grey.	0.5 10			43	Bedding: strike N 50° E. dip 60° SE.
			15 20 25 30 35 40 45 50 55 60 65	Base of pit, 1.4 m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 26, Nov., '63  
 COMPLETED 28, Nov., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 L P - 47

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 622km 72 N 1386km 07 R L GROUND 48 m 3

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		organic smell grey,  plenty of laterite nodules, 0.5 to 1.0 cm	0.5				plant roots
		yellow - reddish brown.	1.0				few plant roots.
CLAY		few tiny nodules, 2 cm & completely decomposed debris of fine grained sandstone & shale. damp, yellow.	1.5				
		highly weathered, sandstone, medium grained, clayey in part, damp, yellow to grey.	2.0				
SHALE & SANDSTONE			2.5	Base of pit, 2.7 m.			shale; sheeted. Bedding,  strike E - W, dip 75°S.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZ AMA Co  
 COMMENCED 15, Nov, '63  
 COMPLETED 28, Nov., '63

LOGGED BY R. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

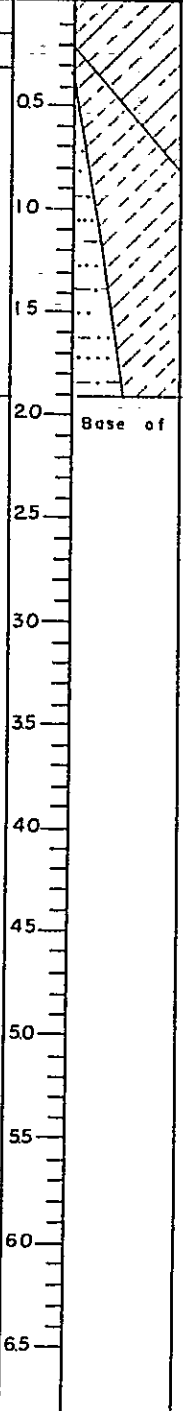
EXCAVATION NUMBER  
 LP - 48

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E. 622 Km 79 N. 1385 Km 83 R.L. GROUND 45 m 9

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY CLAY		plenty of laterite nodules to 1.2 cm Spotting reddish brown in white matrix with completely weathered sandstone fragments. cohesive, damp, yellow	0.5				plant roots.
CLAY		highly weathered very fine grained clayey, in part...	10				slightly damp few fine plant roots
SANDSTONE or SILTSTONE		yellow.	15	Base of pit, 1.9 m.			Bedding; strike N 60°E, dip 90°
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			6.5				

HOLE MADE BY HA ZAMA Co.  
 COMMENCED 29. NOV., '63  
 COMPLETED 27. Nov., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J/d

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 49

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 62.3 Km 75 N 138.6 Km 47 R.L. GROUND 42 m 9

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG. OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY CLAY		weak lateritization. pale grey.					plant roots.
CLAY		flat ferruginous shale fragments in white matrix.	0.5				few plant roots
		cohesive. white - orange.	10				
SHALE		Completely weathered and partially clayey due to decomposition yellow to pale grey.	15				sheeted, spacing of 0.5 - 1cm. Bedding; strike N 30°E, dip 70°SE,
			20	Base of pit, 18m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 24. Nov., '63  
 COMPLETED 27. Nov., '63

LOGGED BY R. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LP - 50

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 623 Km 91 N 1386 Km 29 R.L. GROUND 45 m

DETAILS OF LOCALITY ③ - Line TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY CLAY		pale grey. laterite nodules to 0.5 cm. reddish brown.	0.5			plant roots.	
CLAY		cohesive, somewhat damp, reddish brown-yellow.	1.0			45	
SHALE		Highly weathered, and partially clayey due to decomposition. damp, yellow.	1.5				white limy nodules subangular. 1-3 cm & weathered shale debris. coated with lime.
			2.0	Base of	pit, 1.8 m.		Bedding; strike N85°W. dip, 75°SW.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 24, Nov, '63  
 COMPLETED 27, Nov, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

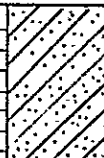
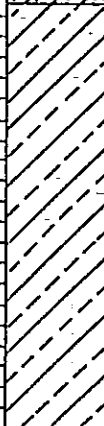
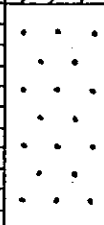








EXCAVATION NUMBER  
 RP-1

TEST PIT AND AUGER HOLE LOG

LOCATION Samboz Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 608 Km 915 N 1.393 Km 023 R.L. GROUND 21 m 20

DETAILS OF LOCALITY CREST OF SPILLWAY (C' LINE) TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL- DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		SAND grains are very fine.  yellow.	0.5				with much plant roots,
SILTY CLAY		very poor lateritization.	10				with plant roots.
		with no coarse grains. bluish yellow.  with well rounded QUARTZ pebbles, dia. 1cm.	15				
SANDSTONE		Highly weathered, yellow.	20				" "
			25				
			30				WATER LEVEL. 2.8m.
			35				
			40		Base of pit, 3.9m		
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4, 11, '63  
 COMPLETED 9, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 600 Km 615 N 1,392 Km 845 R.L. GROUND 23 m 89  
 DETAILS OF LOCALITY CREST OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		very fine grained, with much laterite nodules, dia to 1cm and few well rounded QUARTZ pebbles, dia. 2 to 3cm.	0.5				with plant roots.
SILTY SAND		greenish yellow.	1.0				shrinkage cracks reach to 1.5m deep.
		with white limy patches.	1.5				
			2.0				
SANDSTONE		Completely decomposed, fine grained.	2.5				
			3.0				
			3.5				
			4.0	Base of pit, 2.8m			
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4, 11, '63  
 COMPLETED 13, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY T. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

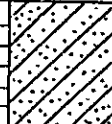
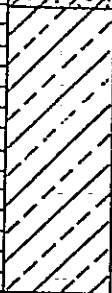
EXCAVATION NUMBER  
 RP-3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 608 km 275 N 1,392 km 645 R.L. GROUND 19 m 91

DETAILS OF LOCALITY CREST OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS		
					PERMEABILITY				
SILTY SAND		grey.	0.5				with plant roots.		
		greyish yellow.							
SILTY CLAY		greyish yellow.	10						
LATERITE nodules layer.		Laterite layer is cemented with pale grey clay.	1.5						
			2.0						▲ WATER LEVEL, 1.7m 2, Dec., '63.
				Base of pit, 2.0m					
			25						
			30						
			35						
			40						
			45						
			50						
			55						
			60						
			6.5						

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4, 11, '63  
 COMPLETED 8, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY T. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 4

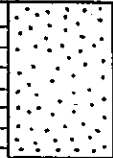

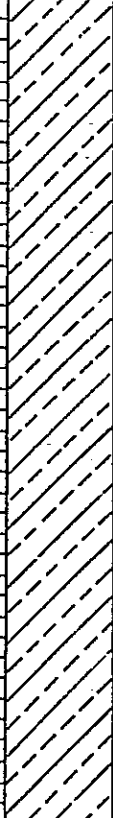
TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 045 N 1,392 Km 512 - R.L. GROUND 23 m 37

DETAILS OF LOCALITY CREST OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		

SAND.		pink.	05				with grass roots.
		fine grained. yellow.					
SILTY SAND		with laterite nodules.	10				
SILTY CLAY		grey clay with yellow silt.	15			2	
		Bearing limy materials.	20				
		Bearing few limy nodules, dia. 2 to 3cm.	35				
			50	Base of pit, 5.0m.			
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 7, 11, '63  
 COMPLETED 15, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

353

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E. 609 Km 295 N. 1,392 Km 330 R.L. GROUND 22 m 85

DETAILS OF LOCALITY FLOODWAY OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained. grey.	05				with plant roots.
SILTY SAND		pale yellow SAND with reddish brown patches. of weak lamination.	10			3	shrinkage cracks reach to 1.2m deep.
		yellow SILTY SAND with white limy patches.	15				
SANDSTONE		Completely weathered. medium grained.  yellow to pale yellowish grey.	20				
			25				
			30				
			35				
			40				
			45				
			50	Base of pit, 4.8 m			
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 9, 11, '63  
 COMPLETED 17, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 609 km 150 N 1,392 km 504 R.L. GROUND 21 m 23  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained, grey.					
SILT		with poor lateritic nodules. yellow.	0.5				organic smell with plant roots
SILTY CLAY		Containing completely weathered fragments of sandstone.	1.0				with much lateritic nodules (dia. 0.5-0.7cm)
SILT interbedded SANDSTONE & SHALE		shale rich facies weathered. yellow.	1.5				Bedding, strike N18°E dip. 60°SE.
			1.5	Base of pit, 12m.			
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co  
 COMMENCED 9. Nov., 63  
 COMPLETED 11. Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY T. I.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

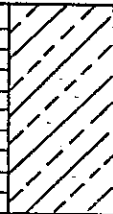
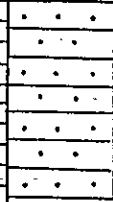
EXCAVATION NUMBER  
 RP-7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 608 Km 885 N 1,392 Km 552 R.L. GROUND 22 m 91

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY ((C) LINE) TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		greyish brown.	0.5				
		yellowish brown.	1.0				
interbedding SANDSTONE and SHALE.		Highly weathered banded SHALE and massive SANDSTONE.	1.5				
			2.0				
			2.5				
			3.0				
			2.0		Base of pit, 2.0m.		
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 9, 11, '63  
 COMPLETED 11, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 608 Km 635 N 1,392 Km 565 R.L. GROUND 24 m 46

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		Dappled reddish brown spots fine grained, pale yellow.	0.5				with plant roots.
SILT		with laterite nodules, yellow.	10				
CLAYEY SILT		Dappled white clayey spots.	15				
SILTY SAND		with shaly fragments in some-little amount. pale yellow to yellow.	25				
		with yellow SANDSTONE boulder , dia. 50cm, of subrounded shape.	40				
			45	Base of pit, 4.5m			
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 13, 11, '63  
 COMPLETED 17, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E. 608 Km 440 N. 1,392 Km 555 R.L. GROUND 23 m 38

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG. OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained. grey, yellow.	0-0.5				with plant roots.
SILTY CLAY		pale yellow.	0.5-1.5				Bearing laterite nodules, dia. to 1cm.
		with white limy spots and patches.	1.5-2.0				shrinkage cracks reached to 2m deep.
interbedding SANDSTONE and SHALE.		completely weathered.	2.0-3.5				
			3.5-4.0				
			4.0-4.6				Base of pit, 4.6m
			4.6-5.0				
			5.0-5.5				
			5.5-6.0				
			6.0-6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 13, 11, '63  
 COMPLETED 19, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 156 N 1392 Km 290 R.L. GROUND 23 m 20  
 DETAILS OF LOCALITY TRAINING WALL OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS	
					PERMEABILITY			
SILTY SAND		grey. very fine grained, pale yellow.		0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0	Base of pit, 5.0 m.		plant roots.	
SILT		reddish-brown spots in pale grey matrix.						
		very poor lateritization.						
SILTY		with no coarse grains, damp mottled yellowish brown and white.						

HOLE MADE BY HAZAMA Co.  
 COMMENCED 13 Nov., 63  
 COMPLETED 20 Nov., 63

LOGGED BY R. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 km 270 N 1,392 km 046 R.L. GROUND 23 m 42  
 DETAILS OF LOCALITY TRAINING WALL OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILT		no coarse gran. pale yellow					plant roots.
SILTY CLAY		brown spots in pale purple matrix	0.5				
		pebbles; round or sub- round, dia 2-4 cm	10				Most of pebbles are quartz
CLAY		cohesive.	15				
		pale yellow - yellow.	20				
SHALE		weathered and soft. Able to dig by hand hoe.	25				
		yellow.	30				
			35				
			40				
			45	Base of	pit, 4.4 m.		
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co  
 COMMENCED 15. Nov. 63  
 COMPLETED 21. Nov. 63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 km 490 N, 391 km 620 R.L. GROUND 23 m 30  
 DETAILS OF LOCALITY TRAINING WALL OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
C' LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		

SILT		light greyish - brown.		[Hatched pattern]			plant roots.
		light yellow.					
CLAY		lateritized, reddish brown.	0.5	[Hatched pattern]			lateritic nodules, (dia. 0.3 - 0.5cm).
		with no coarse material except few white limy nodules, (dia. 1 - 2.5cm). yellow.	1.0				
			1.5				
			2.0				
SHALE		Highly weathered and decomposed, yellow.	2.5				
					Base of pit, 2.5 m		
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20, Nov., 63  
 COMPLETED 26, Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP -14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 820 N. 1,390 Km 960 R.L. GROUND 20 m  
 DETAILS OF LOCALITY TRAINING WALL OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
(C) LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		grey. with plant roots.					
CLAY		dark brown spots in deep brown matrix. moderate cohesion. no coarse grains. with few plant roots.	0.5 1.0 1.5			6	damp. water level, 1.4 m 20 Dec. '63
			1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 1.5m			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 1, Dec., 63  
 COMPLETED 2, Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY l. d.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 580 N 1,392 Km 630 R.L. GROUND 26 m 62

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
C. LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT		with fine grained sand, pale brown lateritic nodules (dia 0.5 cm) and well round quartz pebbles (dia 2 - 3 cm).	0.5				plant roots.
CLAY		lateritic nodules, soft, black (dia 0.5 cm)  high cohesion,  pale grey yellow.	10  15				
SILT		with some debris of weathered sand - stone.  yellow	20  25				
			30	Base of	pit, 2.8 m		
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20, Nov., 63  
 COMPLETED 26, Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY W. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA

FEATURE Right Bank

CO-ORDINATES: E 608 Km 732 - N 1,392 Km 470

R.L. GROUND 24 m 45

DETAILS OF LOCALITY FLOODWAY OF SPILLWAY

TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILT		clayey, graded gravel (dia 2-4 cm) on the bottom of lateritic layer. pale yellow - grey.	0.5				plant roots.
			1.0				with white limy small spots.
CLAY		limy spots, nodules (dia 2-3 cm) and few black soft lateritized nodules (dia 0.7 cm). high cohesion. grey spots in brown matrix	1.5				lateritic nodules. (dia 0.6cm or so).
			2.0				few small round or flat quartz pebbles, (dia 1-2cm).
			2.5				Containing shale small fragments & completely weathered sandstone boulder. rather sandy than upper layer.
		yellow.	3.0				
			3.5	Base of pit, 3.1 m			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY H. AZAMA, Co.  
 COMMENCED 20, Nov., 63  
 COMPLETED 26, Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY 14. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 18

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 km 930 N, 391 km 995 R.L. GROUND 23 m92  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5 m  
CI LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT		with laterite nodules in plenty. pale yellow.	0.5				plant roots.
CLAY		high cohesion. red spots in yellow matrix.	1.0				laterite nodule, dia. 0.4 - 0.6 cm.
SHALE		Completely weathered and clayey in part, pale grey yellow.	1.5 2.0				stratified. Bedding spacing 10cm or so. strike N 30° W, dip 20° NE.
			2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit; 2.2 m			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19, Nov., 63  
 COMPLETED 23, Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY Id. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 19

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 890 N1,392 Km 095 R.L. GROUND 21 m 78  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5 m  
C. LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		very fine grained. with few quartz round pebbles. (dia. 3cm).					plant roots
SILTY CLAY		medium cohesion. pale yellow.	0.5				lateritic nodules with completely weathered shale debris & fragments.
SHALE.		Hardly weathered and partially clayey. pale yellow.	10				Bedding 1-5 cm in space. strike N5° E, dip 85° SE.
				Base	of pit, 1.0m		
			15				
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19, Nov, 63.  
 COMPLETED 21, Nov, 63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY W. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 RP - 20

LOCATION Sambar Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 609 Km 052 N: 1392 Km 052 R.L. GROUND 19 m 81  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
C. LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine, partially silty or granule, with round pebbles. brown.					plant roots, pebbles, quartz and shale. (dia. 0.5 cm).
SILT		clayey, pale yellow.	0.5				
CLAY		silty, high cohesion, deep brown.	1.0				with much lateritic nodules. (dia. 0.2-1 cm).
SANDSTONE COMPLETELY WEATHERED		Completely weathered, medium grained, pale yellow.	1.5				intercalating shale band 5cm thick, bedding strike N-S, dip 85°E.
			2.0	Base of pit,	1.7 m		
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 18, Nov., 63  
 COMPLETED 19, Nov., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY RP - 21  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES E 608 Km 700 N 1392 Km 136 R.L. GROUND 24 m 18  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
C LINE.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS	
					PERMEABILITY			
SILTY SAND		very fine grained. pale grey.	0.5				few plant roots.	
			1.0				lateritic nodules, (dia. 0.5 - 1 cm).	
SILTY CLAY		high cohesion. yellow.	1.5				Scattering well round -ed quart pebbles. (dia 3 - 4 cm).	
			2.0				shrinkage crack to 2m in depth.	
CLAY		high cohesion. Mottled grey and yellow.	2.5				few limy grams and lateritic nodules. (dia. 1cm or so).	
			3.0				boulders (dia. 15 - 50cm) of weathered medium grained sandstone on base.	
			3.5			Base of pit, 3.5m.		
			4.0					
			4.5					
			5.0					
			5.5					
			6.0					
			6.5					

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 21, Nov., 63  
 COMPLETED 26, Nov., 63

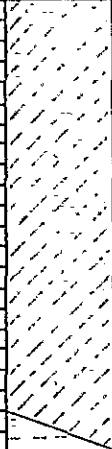
LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 22

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 608 km 615 N 1391 km 792 R.L. GROUND 23 m 60  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		silty, fine grained, pale grey. Bearing laterite nodules and well rounded pebbles of quartz.	0.5				plant roots.
CLAY		without coarse grains except unconsolidified black lateritized nodules, (dia. 0.4cm). brownish yellow.	10				laterite nodules, (dia. 0.3 - 0.7 cm), pebbles, (dia 2-3 cm).
		Bearing weathered debris and fragments of shale in some quantity, yellow.	15				
SHALE		completely weathered, pale grey to yellow.	20				few plant roots. shrinkage cracks; from surface to 2m in depth.
			25				
			30				
			30	Base of pit, 3.0m			
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20, Nov. 63  
 COMPLETED 25, Nov. 63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY 14. S.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 R P - 23

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 608 km 810 N 1,391 km 818 R.L. GROUND 21 m  
 DETAILS OF LOCALITY FLOODWAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
C' LINE.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT.		humus. dark brown.					plant roots.
CLAY		with laterite nodule & pebble.				7	laterite nodule; dia. 0.5 cm, pebble; dia. 2 cm.
		silty, medium cohesion. yellow to grey.	0.5				Bearing weathered debris of shale and sandstone.
SHALE & SANDSTONE		Bedding spacing 10cm. completely weathered. yellow to grey.	10	.....			sandstone occurs in boulder state.
			15		Base of pit, 1.2 m		Bedding: strike N 50° E. dip 80° NW.
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY: HAZAMA Co  
 COMMENCED 2, Dec., 63  
 COMPLETED 3, Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.





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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 RP - 25

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 890 N, 391 Km 970 R.L. GROUND 20 m  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
(C) LINE.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			

SILT		dark brown, organic smell.					
CLAY		high cohesion, damp, dark brown.	05 10				with plant roots.
		somewhat sandy, with lateritic nodules (dia. 0.5 cm), rounded pebbles and large boulders.	15 20				pebbles; quartz and few shale. boulders; sandstone.
			20	Base of pit, 2.0 m			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 2, Dec., 63.  
 COMPLETED 3, Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 26

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E. 609 Km 434 N. 1,391 Km 900 R.L. GROUND 23 m 0

DETAILS OF LOCALITY \_\_\_\_\_ TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		homogenous layer. with no coarse grains. low cohesion. brown.	0.5				plant roots.
			1.0				
			1.5				
			2.0				few and fine plant roots.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.0	Base of pit, 5.0 m			
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4. Dec., 63  
 COMPLETED 8. Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY W. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (- CONSULTING ENGINEERS -)

EXCAVATION NUMBER  
 RP - 27

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 525 N | 391 Km 992 R.L. GROUND 25 m  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5 m  
BY LINE.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SANDY SILT		very fine sand grains.					
SILT		yellow spots in light greyish purple matrix. Bearing laterite nodules (dia 0.3 - 0.7cm) in plenty.	0.5 1.0				plant roots.
CLAY		without coarse grains except unconsolidated laterite nodules (dia. 0.3cm ±), black. high cohesion. pale yellow	1.5 2.0				
SANDSTONE		Sedentary silty state due to weathering of fine - medium grained sandstone. yellow.	2.5				
SANDSTONE ROULDER?		completely weathered. yellow.	3.0				massive.
			3.5	Base of pit, 3.3 m			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 4. Dec. 63  
 COMPLETED 5. Dec. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 28

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 609 Km 245 N 392 Km 052 R.L. GROUND 21 m  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m  
IC LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUT SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
CLAYEY SILT.		reddish brown spots in white matrix.	0.5				with rice plant roots.
CLAY		Mottled white and reddish brown, lean, damp. Bearing shale fragments in lower part.	1.0				medium cohesion.
SHALE		completely weathered, yellow.	1.5				poorly lateritized and bearing small quartz pebbles in a little.
			2.0	Base of pit, 1.6 m			Bedding of shale: strike N15° E, dip 40° SE.
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4. Dec., 63  
 COMPLETED 5. Dec., 63.

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS.)

EXCAVATION NUMBER  
 RP - 29

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 609 Km 445 N 1,392 Km 052 R.L. GROUND 22 m  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5m  
G. LINE.

SOIL TYPE GEOLOGICAL DESCRIPTION	GRO. P. SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			

SANDY SILT		very fine grained, dull brown.	0.5				plant roots.
SILTY CLAY		damp. - uncompletely lateritized. with yellow lateritic grains and nodules (dia. 0.7 to 0.5 cm). brownish yellow.	10 15				Scattering few round quartz pebbles and weathered boulder or debris of siltstone.
SILTSTONE		highly weathered. dull yellow.	20	Base of hole, 1.9m			massive state. Bedding; strike E - W, dip 75° N.
			25 30 35 40 45 50 55 60 65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4. Dec., 63  
 COMPLETED 5. Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER

R P - 30

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 854 N 1392 Km 112 R.L. GROUND 24 m 5

DETAILS OF LOCALITY FLOODWAY OF SPILLWAY (C) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained, yellow.					
SILT		Containing much lateritic nodules and few round pebbles of quartz. yellowish brown.	0.5				with plant roots lateritic nodules, dia. 0.7 cm. pebbles, dia. 0.5-3cm.
SILTY CLAY		with weathered debris of shale and sandstone. moderate cohesive. yellowish brown.	1.0				SHALE: completely weathered, hardly jointed & brittle. pale yellow.
SHALE			1.5	Base of pit, 1.2 m			Bedding: strike N-S, dip 50°E.
			2.0				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA, Co.

COMMENCED 8. Nov., 63

COMPLETED 19. Nov., 63

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

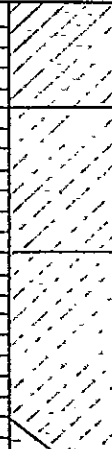
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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 31

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank  
 CO-ORDINATES: E 609 km 152 N 1,392 km 630 R.L. GROUND 23 m 67  
 DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5m  
C LINE

SOIL TYPE GEOLOGICAL DESCRIPTION.	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS	
					PERMEABILITY			
SANDY SILT		very fine grained, light brown.	0.5			9	plant roots.	
SILTY CLAY		Scattering limy nodules (dia 1.5-2cm). yellowish brown.	1.0					Bearing completely weathered sandstone debris in a little.
CLAY		with limy spots and nodules (dia 1.5-3cm).	1.5				10	
SANDSTONE & SHALE		Completely decomposed due to weathering, yellow.	2.0					with decomposed limy materials and sand - stone boulder Bedding: strike N 20° E, dip 90°.
			2.2	Base of pit, 2.2 m				
			25					
			30					
			35					
			40					
			45					
			50					
			55					
			60					
			65					

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 5. Dec., 63  
 COMPLETED 8. Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 32

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 608 km 925 N 1390 km 737 R L GROUND 21 m

DETAILS OF LOCALITY: TRAINING WALL OF SPILLWAY TYPE OF EXCAVATION: 1.0 m x 1.5 m  
(C) LINE

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY CLAY							plant roots.
CLAY		no coarse grain, dark brown small spots in deep brown matrix. moderate cohesion.	0.5				shrinkage crack to 0.6m.
			10			11	damp, few plant roots.
			15				
			20	Base of pit, 1.8m.			water level, 17m 4, Dec., '63.
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co  
 COMMENCED 3. Dec., 63  
 COMPLETED 4. Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN,  
ELECTRIC POWER DEVELOPMENT COMPANY  
(CONSULTING ENGINEERS)

EXCAVATION NUMBER  
RP - 33

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 609 Km 394 N 1392 Km 684. R.L. GROUND 22 m 5

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SANDY SILT		with few animal holes (dia. 0.5-1cm), dull greyish brown. lateritic nodules (dia. 0.3- 0.7cm) in plenty.	0.5				plant roots. with fine plant roots. Scattering round and flat quartz pebbles.
CLAY		poor lateritized zone. yellowish reddish brown.	1.0				small lateritized grain (dia 0.1cm) in plenty.
SHALE		jointed. Joints are stained to black due to highly weathered, dull yellow.	1.5				Bedding spacing ; 2-4 cm. strike N 10° E, dip 60° SE.
			2.0	Base of pit, 1.8 m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
COMMENCED 6, Dec., '63  
COMPLETED 9, Dec., '63

LOGGED BY H.S.  
DRAWN BY H.S.  
CHECKED BY J.L.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 34.

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 609 km 594 N 1,392 km 505 R.L. GROUND 21 m

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SANDY SILT		very fine grained. pale yellow. poor lateritic nodule zone. diameter of nodules, 0.5 cm.	0.5				with plant roots
SILTY CLAY		yellowish, brown. Bearing well rounded quartz pebbles in some - litre.	10				diameter of quartz pebbles, 1.5 cm or so.
CLAY		Bearing completely weathered debris of shale in plenty yellow	20				tiny nodules in few
SHALE		completely weathered greyish, yellow.	25				Bedding space; 0.5 - 2 cm. strike. N 10° E, dip 80° SE.
			30	Base of pit,	2.55 m		
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA. Co.  
 COMMENCED 6 Dec., '63  
 COMPLETED 9 Dec., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 35

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 609 Km 456 N, 391 Km 606 R.L. GROUND 23 m 5

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		fine grained, & no coarse grains cohesiveless organic smell. dark grey	05				fine plant roots.
		fine grained & no coarse grains cohesireless. damp deep brown.	10 15 20 25 30 35 40 45 50				
			55 60 65	Base	of pit, 5 m.		

HOLE MADE BY HAZAMA Co.  
 COMMENCED 6. Dec., 63  
 COMPLETED 9. Dec., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. K.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 36

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 385 N 1391 Km 520 R.L. GROUND 23 m 5

DETAILS OF LOCALITY WEST AREA OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY CLAY		greyish brown	0.5				plant roots.
		yellow					
CLAY		lateritic nodules (dia 0.2 - 0.6 cm). yellowish brown.	10				
		with black lateritized materials and white limy nodules - yellow					
SILTY CLAY		with completely weathered debris of shale and sandstone.	15				
SANDSTONE & SHALE		highly weathered, yellow, shale; jointed and dis-integrated.	20				strike N 30° E, dip 90° in bedding.
		sandstone; boulder state	25				
				Base of pit, 2.6m.			
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

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

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 RP - 37

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 608 Km 186 N 1,391 Km 520 R L GROUND 22 m  
 DETAILS OF LOCALITY WEST AREA OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILT		greyish brown					plant roots.
SILTY CLAY		poorly lateritized lateritic nodules (dia 0.3 - 0.5 cm).	0.5				
		Bearing weathered sandstone debris and round quartz pebbles (dia. 3cm or so)	10				shrinkage cracks to 1m in depth
		Spotting white limy nodule in yellow matrix, damp.	15			12	
SHALE		Highly weathered, yellow, with grey seam.	20				
			25	Base of	pit, 2.3 m.		
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co  
 COMMENCED 10, Dec, 63  
 COMPLETED 14, Dec, 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 RP - 38

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.  
 CO-ORDINATES: E 608 Km 290 N 1391 Km 225 R.L. GROUND 20 m  
 DETAILS OF LOCALITY WEST AREA OF SPILLWAY TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT		greyish yellow.	05				plant roots.
		yellow.					
		lateritic nodules, yellow					
CLAY		poorly lateritized, lateritic nodules (dia 0.5-1cm)	10				Bedding: Strike N 10° E, dip 90°.
		with weathered shale and sandstone debris.					
SANDSTONE & SHALE		yellow due to high degree of weathering; shale completely decomposed. yellow	15 20 25 30 35 40 45 50 55 60 65		Base of pit, 12 m.		Sandstone shows boulder state.

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

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.





OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 40

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.  
 CO-ORDINATES: E 608 km 65 N 1,389 km 25 R.L. GROUND 21 m 0  
 DETAILS OF LOCALITY NAVIGATION CHANNEL TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY SAND		fine grained, organic smell, damp, dark greyish brown.	0.5	[Hatched pattern]			few plant roots.
		fine grained, no coarse grains, damp, dark brown.	1.0				
SAND		coarser than upper layer, fine grained, no coarse grain, cohesionless, damp, light brown.	1.5	[Dotted pattern]		14	
			2.0				
			2.5				
			3.0				
			3.5				
		4.0					
		4.5					
		5.0					
			5.0		Base of pit, 5.0 m.		
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 9, Dec., '63  
 COMPLETED 12, Dec., '63

LOGGED BY [Signature]  
 DRAWN BY H. S.  
 CHECKED BY [Signature]



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS.)

EXCAVATION NUMBER  
 RP - 42

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor project, CAMBODIA FEATURE Right Bank  
 CO-ORDINATES: E 607 km 80 N 1,388 km 25 R.L. GROUND 19 m 5  
 DETAILS OF LOCALITY NAVIGATION CHANNEL TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
CLAY		loose, grey, light greyish brown. weak lateritization black unconsolidated laterite nodules (dia. 0.5cm), in a little dark brown.	0.5 1.0 1.5	[Hatched pattern]			few plant roots
		no coarse grains cohesive brown	2.0 2.5 3.0 3.5 4.0				damp,  water level, 3.0 m. 21. Dec., '63
			4.5 5.0 5.5 6.0 6.5				Base of pit, 4.2 m.

HOLE MADE BY HAZAMA Co  
 COMMENCED 11. 12. '63  
 COMPLETED 15. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 43

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 607 km 55 N 1,387 km 95 R.L GROUND 20 m

DETAILS OF LOCALITY NAVIGATION CHANNEL TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY CLAY		pale grey. no coarse grain small holes of some animals light brown	0.5				plant roots
CLAY		deep brown small spots in light brown matrix	10			16	
		Bearing small, black and lateritized grains, in a little.  damp deep brown	20 25 30 35 40 45 50				
			50	Base of pit, 5.0 m.			
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co  
 COMMENCED 9, Dec., '63  
 COMPLETED 15, Dec., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY T. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 44

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.  
 CO-ORDINATES: E 606 Km 95 N 1,388 Km 26 R.L. GROUND 19 m 5  
 DETAILS OF LOCALITY NAVIGATION CHANNEL TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SILTY CLAY		no coarse grains pale grey.					plant roots.
CLAY		brown lateritized grains (dia. 0.5 cm to 1cm) in pale yellow matrix.	0.5			17	
		dark brown.	1.0				damp.
			1.5	Base of pit; 1.55 m.			water level, 1.5 m. 11, Dec, '63
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 9, Dec., '63  
 COMPLETED 15, Dec., '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-50

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Right Bank.

CO-ORDINATES: E 607 Km 05 N 1392 Km 88 R.L. GROUND 32 m

DETAILS OF LOCALITY DOWN STREAM AREA OF ④ LINE. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		<i>fine grained, pale yellow.</i>	0.5	[stippled pattern]			with plant roots.
		<i>fine grained, yellowish brown.</i>					
SILTY SAND		<i>yellowish brown.</i>	1.0	[diagonal lines pattern]			
SILT		<i>with laterite nodules, pale grey.</i>	1.5	[diagonal lines pattern]			
SILTY CLAY		<i>lean.</i>	2.0	[diagonal lines pattern]			damp.
			25				
			30				
			35				
			40				
			55				Base of pit, 5.3m
			60				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 28, 11, '63  
 COMPLETED 6, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. 14

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP - 51

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 602 Km 65 N 1,395 Km 78 R.L. GROUND 35 m

DETAILS OF LOCALITY DOWN STREAM AREA OF (A) LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine grained. grey.	0.5				with plant roots.
		fine grained. brown.					
SILT		with much laterite nodules, dia. to 1.5cm.	10				
CLAY		spotting limy patches and nodules of angular shape. Dappled yellow in grey matrix.	15			18	
		Bearing fragments of completely weathered shale. yellow patches in grey matrix.	25				
SHALE		Highly weathered. yellowish brown.	30			19	somewhat damp.
			35				
			45		Base of pit, d.d.m.		WATER LEVEL, 4.3 m. 4, Dec., '63
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27.11. '63  
 COMPLETED 3.12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.


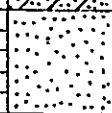
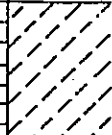
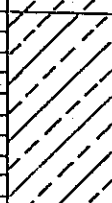
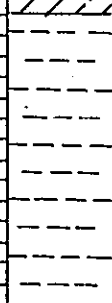
OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-52

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 603 Km 27 N 1,396 Km 46 R.L. GROUND 30 m

DETAILS OF LOCALITY DOWN STREAM AREA OF @ LINE. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained. grey.	0.5				
SAND		fine grained. with laterite nodules, dia. to 1cm in plenty. grey.	1.0				
CLAY		spotting white limy particles in grey matrix.	1.5				
SILTY CLAY		Bearing limy nodules, dia. 5 to 7cm and completely weathered shaly fragments in some part. yellow.	2.0				
SHALE		Highly weathered. yellowish brown.	3.0				
			4.0				
			4.1		Base of pit, 4.1m.		
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27, 11, '63  
 COMPLETED 5, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 RP-53

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 604 Km. 03 N 1:393 Km 15 R.L. GROUND 30 m

DETAILS OF LOCALITY DOWNSTREAM AREA OF (4) LINE. TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILT		pale grey. Having tinged of yellow in grey. with laterite nodules, dia. 0.5cm, in grey matrix	0.5		Base of pit, 2.0m		with plant roots.
SILTY CLAY		Bearing limy nodules, and some of them are dissolved. Grey. cohesive.	1.0				shrinkage cracks reach to 1.2m deep.
CLAY		SANDSTONE boulder are contained. yellow.	1.5				damp.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 27.11. '63  
 COMPLETED 5.12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

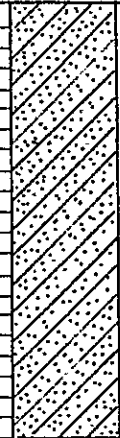

EXCAVATION NUMBER  
 RP-54

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 606 Km 32 N 1.391 Km 17 R.L. GROUND 31 m

DETAILS OF LOCALITY DOWN STREAM AREA OF ④ LINE. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		pale grey.	0.5				with plant roots.
		yellow.	10				
SILTY CLAY		Scattering laterite nodules, dia. 1cm or so in pale grey SILTY SAND.	20			21	Somewhat damp.
		white CLAY which derived from decomposed limy materials, with yellowish brown SILT.	30				
			50	Base of pit, 5.0m			
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 26, 11, '63  
 COMPLETED 5, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

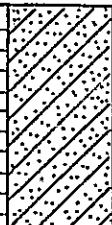
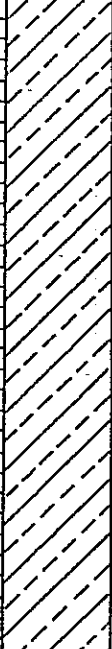
EXCAVATION NUMBER  
 RP-55

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 605 km 50 N 1,391 km 65 R.L. GROUND 32 m

DETAILS OF LOCALITY DOWN-STREAM AREA OF (4) LINE. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS	
					PERMEABILITY			
SILTY SAND		pale yellowish grey.	05				with plant roots.	
		Scattering laterite nodules, dia. 1cm or so, in pale gray SILTY SAND.	10 1.5					
SILTY CLAY		white CLAY, which derived from decomposed limy materials, with yellowish brown SILT.	20				Somewhat damp.	
			25					
			30					
			35					
			40					
			45					
			50					
					Base of pit, 5.0m			
			55					
			60					
			6.5					

HOLE MADE BY HAZAMA Co.  
 COMMENCED 26, 11, '63  
 COMPLETED 1, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

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SHEET NO. 224

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 RP-56

LOCATION Sambon Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES: E 602 Km 40 N 1396 Km 45 R.L. GROUND 35 m

DETAILS OF LOCALITY DOWN STREAM AREA OF (4) LINE. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND.		<i>fine grained. Bearing laterite nodules, and few rounded QUARTZ pebble, d.a. 3 to 5cm.</i>	0.5				<i>with plant roots.</i>
CLAY		<i>pale grey CLAY with reddish brown patches in lens.</i>	10 15 20 25			22	<i>damp.</i>
SANDSTONE		<i>highly weathered. dark yellowish brown.</i>	30 35 40 45 50				
			50	<i>Base of pit, 5.0m.</i>			
			55 60 65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 28, 11, '63  
 COMPLETED 5, 12, '63

LOGGED BY J. S.  
 DRAWN BY J. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

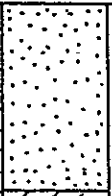
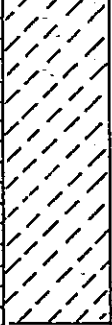
EXCAVATION NUMBER  
 RP-57

TEST PIT AND AUGER HOLE LOG

LOCATION Sambon Project, CAMBODIA FEATURE Right Bank

CO-ORDINATES: E 600 Km 46 N 1,398 Km 21 R.L. GROUND 40 m

DETAILS OF LOCALITY DOWN STREAM AREA OF @ LINE TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		<i>fine grained, grey.</i>	0.5				with plant roots.
		<i>laterite nodules concentrate.</i>					
CLAY		<i>Bearing laterite nodules, dia. 3 to 1cm.</i>	10				
		<i>Bearing limy nodules, dia. 4 to 6cm, and limy spots. cohesive. yellow.</i>					
			25				with boulder of SAND- STONE on the base.
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
				Base of Pit, 2.5m			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 28, 11, '63  
 COMPLETED 1, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY LQO - 1  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 614 Km 194 N 1404 Km 590 R.L. GROUND 35 m 50  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 10m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

CLAY		organic smell, grey		Base of pit, 0.6m.			plant roots.
		Mottled pale grey and yellowish brown, with few decomposed limy nodules.	0.5				large sandstone boulders on base of pit.
			10				
			15				
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 30, 11, '63  
 COMPLETED 30, 11, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER

LQO - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA

FEATURE Left Bank

CO-ORDINATES: E 613 km 565 N 1403 km 803

R.L. GROUND 34 m 00

DETAILS OF LOCALITY LQO QUARRY AREA

TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		laterite nodules & quartz round pebbles, light brown.					plant roots, laterite nodules 0.3cm, pebbles 2cm.
		no coarse grains.	0.5				
SILTY CLAY		light yellow.	1.0				few unconsolidated black laterite nodules, 0.5 - 1cm.
			1.5				
SHALE		shale; laminated.	2.0				Bedding; strike N 5°W, dip 20° NE.
SANDSTONE		sandstone; medium grained.	2.5				
SHALE		Completely decomposed due to high degree weathering.	3.0				
SANDSTONE		sedentary, silty state. light yellowish brown.	3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				
							Base of pit, 31 m.

HOLE MADE BY HAZAMA, Co  
 COMMENCED 11, 12., '63  
 COMPLETED 4, 12., '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO-3

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 612 Km 819 N, 402 Km 844 R.L. GROUND 31 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SAND		fine-medium grained, with laterite nodules. 0.3m, brown					fine plant roots.
CLAYEY SAND		with few limy nodules, sand grain medium, somewhat cohesive, yellowish brown.	0.5				
SILTY SAND		with limy film on joint plane, completely decomposed to soil, brown.	10				
SANDSTONE		Completely weathered. Able to dig by hand hoe - brown.	15				massive state, strike & dip of strata. obscure.
			20	Base of pit, 18 m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 29, 11., 63  
 COMPLETED 30, 11., 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. 14



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS.)

EXCAVATION NUMBER  
 L00-4

TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA. FEATURE: Left Bank  
 CO-ORDINATES: E 613 Km 470 N 1404 Km 165 R.L. GROUND: 34 m 50  
 DETAILS OF LOCALITY: L00 QUARRY AREA TYPE OF EXCAVATION: 10 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND.		fine grained. grey. with blocks of sandstone.	0.5				plant roots.
		somewhat silty, yellow.	1.0				Bearing laterite nodules B round quartz pebbles (dia. 2 cm). Bearing limy nodules (dia. 1-3cm) and scattering unconsolidated black laterite nodules (dia. 1cm) in a little.
SANDSTONE		soft, yellow to pale grey, weathered.	2.0				
			2.5	Base of pit, 2.4 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4, 12, '63  
 COMPLETED 4, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
ELECTRIC POWER DEVELOPMENT COMPANY  
(CONSULTING ENGINEERS)

EXCAVATION NUMBER  
L.O.O - 5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 613 Km 214 N 1.404 Km 102 R.L. GROUND 32 m 50

DETAILS OF LOCALITY L.O.O QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		very fine grained. light pink.					plant roots.
SILTY CLAY		laterite nodules to 1cm, few round quartz pebbles 1.5 cm.	0.5				
CLAY		cohesive. Bearing unconsolidated black lateritic nodules in some little.  pale yellow.	10 15 20				rare plant roots.
SANDSTONE		medium grained. Completely weathered to silty state, yellow.	25				massive state, strike & dip of bedding obscure.
			30 35 40 45 50 55 60 65	Base of pit, 2.6 m.			

HOLE MADE BY HAZAMA Co.  
COMMENCED 17, 12, '63  
COMPLETED 18, 12, '63

LOGGED BY H.S.  
DRAWN BY H.S.  
CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 612 km 785 N 1,404 km 010 R.L. GROUND 29 m 00

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME (LARGEST AND SMALLEST SIZES)	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SAND		fine grained. light grey.	0.5				plant roots.
SILTY SAND		Bearing unconsolidated limy nodules. yellow.	1.0	[Hatched pattern]			Bearing soft laterite nodules and round quartz pebbles.
		Mixing clayey and fine-medium grained sand.	1.5				Bearing completely weathered & decomposed sandstone debris.
SANDSTONE		medium grained. Highly weathered. grey.	2.0	[Dotted pattern]			Intercalates limy decomposed films.
			2.5	Base of pit, 2.2 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 6. 12. '63  
 COMPLETED 7. 12. '63

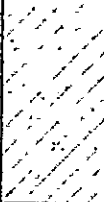
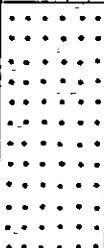
LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO-7

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 612 Km 866 N1.403 Km 753 R.L GROUND 29 m00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 10m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		

SAND		fine grained, grey. yellow.					plant roots.
SILTY SAND		Bearing limy patches and nodules in some little. yellow. no coarse grains.	0.5 10				with laterite nodules (dia 1cm) & few round quartz pebbles (dia 2cm). damp.
SANDSTONE		Sedentary soil state due to complete decomposition. sand with seams of grey clay.	15 20 25				
			30 35 40 45 50 55 60 65		Base of pit, 2.7 m.		

HOLE MADE BY HAZAMA Co.  
 COMMENCED 5, 12, '63  
 COMPLETED 8, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambar Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 612 Km 826 N 1405 Km 477 R.L. GROUND 30 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE.	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SAND		fine grained, dark brown, laterite nodules to 0.5m and round quartz pebbles in a little	0.5				plant roots. bearing cobbles and boulders of weathered sandstone.
SILTY CLAY		Bearing completely weathered & decomposed debris or cobbles in same little cohesion. yellow.	1.0				large boulders of weathered sandstone on the base of pit.
			1.5	Base of pit, 1.3 m.			
			2.0				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 6, 12, '63  
 COMPLETED 8, 12, '63

LOGGED BY R.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 LQO 49

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 612 Km 700 N L 403 Km 202 R.L. GROUND \_\_\_\_\_ m  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, yellow. laterite nodules to 0.5cm & quartz round pebbles.	0.5				quartz pebble, 1.5-3cm, in small quantity.
CLAYEY SILT		Scattering few un- solidified laterite nodules. yellow. Bearing weathered sandstone boulders.	1.0				
SAND		Bearing moderately to strongly weathered sandstone boulders. brown.	1.5				some what weathered sandstone boulders on base of pit.
			2.0	Base of pit, 17m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 16, 12, '63  
 COMPLETED 17, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

660

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 612 km 460 N 1403 Km 308 R.L. GROUND 27 m00

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, deep brown.					plant roots.
SILTY CLAY		laterite nodules to 0.5cm. cohesive. yellow.	0.5				low lateritization.
SNALE		Completely decomposed. Forming to shale frag- ments bearing silty clay.	1.0				Bedding; spacing 3-5cm. strike N 20° W, dip 30° NE.
		Completely weathered and decomposed in part. yellow - grey.	1.5				
			2.0	Base of pit, 1.7m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.

COMMENCED 16, 12, '63

COMPLETED 17, 12, '63

LOGGED BY H.S.

DRAWN BY H.S.

CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 LQO - 11

LOCATION Sambor Project, CAMBODIA: FEATURE Left Bank

CO-ORDINATES: E 612 Km 245 N 1,402 Km 980 R.L. GROUND 27 m 50

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		very fine grained, dark brown.	0.5				plant roots.
SILTY CLAY		laterite nodules 0.3cm. with sandstone boulder.	10				weak lateritization.
		with completely decomposed debris of sandstone or shale. cohesive. greyish yellow.	15				Bedding spacing 2-5cm.
SHALE		Highly weathered. greyish yellow.	20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
				Base of pit, 2.0m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 16, 12, '63  
 COMPLETED 17, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

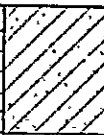
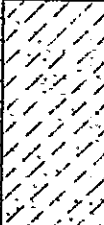
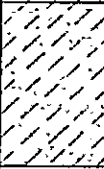




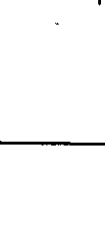

EXCAVATION NUMBER  
 LQO - 12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 613 Km N. 404 Km 483 R.L. GROUND 35 m 50

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		fine-medium grained, dark grey, laterite nodule to 0.5cm and round and flat Quartz pebbles.	0.5				plant roots. poor lateritization.
		Bearing weathered, angular debris of sandstone. somewhat cohesive, sand grain, fine-medium, yellow.	1.0 1.5				
CLAYEY SAND		Bearing completely decomposed boulders and cobbles of sandstone. sand grains, fine-medium, greyish yellow.	2.0 2.5				
		Completely decomposed due to high degree weathering, sedentary soily state, deep brown.	3.0 3.5				
SANDSTONE		Highly weathered, pale yellow.	3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 7, 12, '63  
 COMPLETED 12, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 613 km 470 N 1,404 Km 479 R.L. GROUND 29 m 13

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine grained, light greyish brown.	05				with plant roots.
		fine to medium grained, with few boulder light yellowish brown					
SILTY CLAY		with limy nodules of small size in some little slightly sandy, greyish yellow.	10				
			15	Base of	pit, 13 m.		on bottom of pit medium grained, weathered sandstone.
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 1, 12, '63  
 COMPLETED 1, 12, '63

LOGGED BY R.S.  
 DRAWN BY H.S.  
 CHECKED BY J. 1/4

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO-14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 196 N 1,409 Km 483 R.L. GROUND 31 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			

SILTY SAND  SANDSTONE		organic smell, grey laterite nodules, 0.4cm reddish brown to grey cracked and loosened, weathered, yellow.	0.5	.....			with plant roots & sandstone blocks or debris subangular some debris coated with iron.
				Base of pit, 0.6m.			
			10				
			15				
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 4, 12, 63  
 COMPLETED 4, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 LQO - 15

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 612 Km 920 N 1,404 Km 480 R.L. GROUND 28 m 30

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION:	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine grained, organic-smell, dark grey.	0.5				with plant roots.
SANDY CLAY		poorly lateritized. Spotted boulders and debris that completely decomposed.	1.0				
CLAYEY SILT		white limy nodules, subangular or subround grayish yellow.	1.5				
ALTERNATION OF SHALE & SANDSTONE		Completely decomposed due to weathering grey to brown.	2.0				sedentary soily. Bedding, strike N-S, dip 15°E.
			2.5	Base of	pit, 2.4 m.		Shale shows more resistant than sandstone in weathering.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY H. AZAMA Co.  
 COMMENCED 3, 12, '63  
 COMPLETED 4, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 614 Km 300 N 1,405 Km 029 R.L. GROUND 35 m 40

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		fine grained, grey. yellow.	0.5				plant roots with sandstone debris & few laterite nodules, 0.5cm
SILTY SAND		yellow spots in grey matrix.	10				with sandstone blocks in a little, unconsolidated laterite nodules or patches and few round pebbles of quartz, dia. of pebbles, 3-4 cm.
SANDSTONE		massive, medium grained, pale grey.	15	Base of	pit, 1.3 m.		
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 2, 12, '63  
 COMPLETED 4, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 L.Q.O. - 17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 795 N 1,404 Km 926 R.L. GROUND 34 m 30

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY SAND		light grey, fine grained, yellow. laterite nodules to 0.5cm & few round quartz pebbles to 3mm	0.5				plant roots, with completely weathered sandstone debris.
SILTY CLAY		Scattering black unsolidified laterite nodules in a little. cohesive. yellow.	1.0				few fine plant roots.
SHALE & SANDSTONE		Bedding spacing 2-4 cm, Completely weathered grey-yellow	1.5				
SANDSTONE		Completely weathered, soil state, yellow, Highly weathered, yellow.	2.0				Bedding; strike N 30° W, dip 10° NE.
			2.5	Base of pit, 21 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 16, 12, 63  
 COMPLETED 17, 12, 63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY. LQO-18  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 306 N 1404 Km 732 R.L. GROUND 29 m 50  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 10 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		fine-medium grained, slightly silty, light brown.					plant roots.
SILTY SAND		Scattering unconsolidated black laterite nodules. pale yellow.	0.5 1.0				
		well round quartz pebble, 4cm, in a little.	1.5	Base of pit, 1.4 m.			large sandstone boulders of subangular shape.
			2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 2, 12, '63  
 COMPLETED 2, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 19

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 614 km 687 N 1,404 km 697 R.L. GROUND -34 m 00-

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SILTY SAND		light pink. few laterite nodule, to 0.5cm					plant roots.	
SANDY SILT		moderate cohesion. with sandstone debris.  yellow.	0.5 1.0					
SANDSTONE		Boulders are filled with completely decomposed sandstone. Developing decomposed limy seams & patches.	1.5					decomposed sedimentary soil with large grey fine grained sandstone boulder.
				Base of pit, 1.7 m.				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 30, 11, '63  
 COMPLETED 2, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 20

TEST PIT AND AUGER HOLE LOG

LOCATION Sam bor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 6.14 km 415 N1,404 km 408 R.L. GROUND 35 m 20

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		fine grained, light orange yellow. laterite nodules to 0.5cm & round quartz pebbles to 1.5cm.	0.5				plant roots.
SILTY CLAY		Mottled dull grey and light yellow. no coarse grain. cohesive.	1.0				lateritization bearing black unconsolidated laterite nodule, 0.3cm, in some - little.
SANDSTONE		Completely decomposed due to strong weathering sedentary soil. clayey sand, brown.	2.0				compact.
		sheeted shale, grey. Highly weathered. brown.	2.5				
			3.0				Bedding; strike N80°W, dip 25°NE.
			3.5				Base of pit, 3.3 m.
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 13, 12, '63  
 COMPLETED 16, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 21

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 614 Km 250 N, 403 Km 800 R.L. GROUND 30 m 00

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		

SILTY SAND		very fine, with small sized laterite nodules, few light pink, somewhat clayey. Bearing white limy nodules, pale yellow.	0.5				plant roots.
SILTY CLAY		laterite nodules to 1cm & round quartz pebbles to 3cm	10				lateritization quartz pebble few
		Scattering black un-solidified nodules to 1cm and few white soft limy nodules, yellow.	15				
SANDSTONE		Bearing completely decomposed sandstone, block, yellow.	20				Bedding : strike - N-S, dip - 20°E.
		Highly weathered, and able to dig by hand hoe. Some parts remain in block of weathered sandstone, yellow.	25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				
				Base of pit, 31 m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 8, 12, 63  
 COMPLETED 10, 12, 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 22

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 613 km 903 N 1403 km 803 R.L. GROUND 30 m 00

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE- GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grainod. grey. light yellow.					plant roots.
SAND		fine - medium grainod. pink. laterite nodules 1-3 cm round and flat quartz pebbes. 3-4 cm, few.	0.5 10				few plant roots. 2 bands of laterite nodules.
SILTY CLAY		Bearing debris of weathered shale. grey - yellow.	15				Bedding ;
SHALE		Completely decomposed due to strong weathering. Clayey, derived from decomposition of lime.	20				strike N 10° E, dip 10° SE. Bearing sandstone boulders on top and base of the layer.
			25	Base of pit, 2.4 m.			
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HA ZA MA Co  
 COMMENCED 9, 12, '63  
 COMPLETED 10, 12, '63

LOGGED BY J. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LOO - 23

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 km 903 N, 403 km 400 R.L. GROUND 30 m 00

DETAILS OF LOCALITY LOO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY SAND		fine grained, grey. laterite nodules to 1cm rather irregularly crowd.	0.5				plant roots.
SILTY CLAY		Scattering few black unconsolidated laterite nodules, to 1cm. yellow.	1.0 1.5				
SAND STONE		Completely weathered, white decomposed limy nodules, few. yellowish brown.	2.0				massive state. Able to crush by hands. sand with some clay.
			2.5	Base of pit, 2.3 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 8. 12. '63  
 COMPLETED 9. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 24

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 613 Km 58 3-N 1,40 3 Km 000 R.L. GROUND 28 m 00

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		

SAND		fine grained, pale yellowish grey. laterite nodules to 0.5cm	0.5				plant roots.
SANDY SILT		moderate cohesive, brownish yellow. laterite nodules to 0.5cm & round quartz pebbles to 3cm	10				poor lateritization.
SANDY CLAY		Mottled milk white and orange yellow, with few black, laterite & limy nodules, cohesive.	15				poor lateritization.
SANDSTONE		Completely decomposed due to weathering and able to dig by hand hoe. yellowish brown.	20				Bedding; obscure.
			25	Base of pit, 25m.			
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 11, 12, '63  
 COMPLETED \_\_\_\_\_

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY T.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY LQO - 25  
 (CONSULTING ENGINEERS)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 312 N 1,403 Km 000 R.L. GROUND 32 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SILTY SAND		very fine grained, greyish brown.					plant roots
SANDY CLAY		slightly cohesive, yellowish orange.	0.5				few, fine plant roots
		laterite nodules to 1cm.	1.0				with round quartz pebbles 1.5 - 2 cm, in small quantity.
SILTY CLAY		Bearing black unconsolidated laterite nodules and decomposed limy nodules in small quantity - cohesive, yellow.	1.5				
SANDSTONE		completely decomposed, easily crushable by hands, brown.	2.0				massive state.
			2.5	Base of pit, 2.4 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 10, 12, 63  
 COMPLETED 13, 12, 63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 26

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 420 N 1402 Km 529 R.L. GROUND 29 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, pale grey.					
SANDY SILT		very weak lateritization, orange yellow.					plant roots
		laterite nodules to 0.5cm	0.5				
SILTY CLAY		Mottled milk white and orange yellow.	1.0				with weathered round sandstone boulders. 15-20cm in dia
		with completely decomposed sandstone boulders and black laterite nodules in a little.	1.5				
SAND STONE		Completely decomposed due to weathering. brown.	2.0				massive. with few and fine plant roots. soily state.
				Base of pit, 2 m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 11, 12, '63  
 COMPLETED 13, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 27

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 612 Km 700 N 1,405 Km 447 R.L. GROUND 33 m 50  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY SAND		organic smell, dark greyish brown.					plant roots
SAND		laterite nodules, to 0.5m in part. unsolidified black laterite nodules in a little, pinkish.	05				fine grained.
SANDY CLAY		sand grain, fine-medium, white limy spots in a little. yellowish brown.	10				
SILTY CLAY		no coarse grains, cohesive.  light yellow.	15				shrinkage cracks to 15 m
			20				
			25				
			30				
SANDSTONE		fine grained. yellow due to high degree of weathering.	35				
			40				
			45	Base of pit, 4.5 m.			
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 1, 12, '63  
 COMPLETED 7, 12, '63

LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY J.H.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 28

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 614 Km 000 N 1,405 Km 280 R.L. GROUND 32 m 00  
 DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY SAND		fine grained, pale grey, few laterite nodules to 0.5cm. yellowish brown.	0.5				plant roots.
SILTY CLAY		laterite nodules, to 0.5cm. cohesive. Scattering few black laterite nodules, 0.3cm in diameter. in pale yellow matrix.	10				
SANDSTONE		completely weathered, with 5 decomposed limy seams, 2-3cm. yellow.	20				massive state, with few and fine plant roots. on bottom of pit. Occuring yellowish gray weathered sandstone.
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 17. 12. 63  
 COMPLETED 18. 12. 63

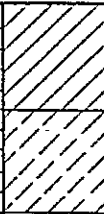
LOGGED BY H.S.  
 DRAWN BY H.S.  
 CHECKED BY T.H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES: E 613 Km 249 N 1391 Km 932 R.L. GROUND 29 m  
 DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILT		very fine sandy, dark brown, laterite nodules (dia. to 0.5 cm) in yellow silt.	0.5			46	plant roots.
CLAY		Bearing fragments of completely weathered shale. pale yellow.	1.0				
SHALE		highly weathered, sheeted rock, pale yellow.	1.5				
			2.0	Base of pit, 1.7 m.			Bedding; spacing 1 - 15 cm.  strike N 10° E, dip 85° NW.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 30 Nov, '63  
 COMPLETED 3 Dec, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY W. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQO - 29

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 613 km 538 N 1,404 km 317 R.L. GROUND 31 m 50

DETAILS OF LOCALITY LQO QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		with a boulder, sub- angular, 20cm x 10cm. greyish yellow.					plant roots.
		with laterite nodules to 1cm. round and flat pebbles of quartz and boulder.	0.5				boulders;
SANDY SILT		fine plant root. with boulders.	1.0				sandstone, sub- angular, large size.
				Base of	pit, 1.0 m.		On base of pit, occurring sandstone boulder, yellow.
			1.5				
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 30, 12, 63  
 COMPLETED 30, 12, 63

LOGGED BY R. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES. E 612 Km 842 N 1,391 Km 945 R L GROUND 26 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SANDY SILT		dark brown. poor lateritization.	05	[Hatched pattern]			Plant roots.
SILTY CLAY		dull brownish yellow.					laterite nodules, 0.5 cm.
SANDSTONE		medium grained, massive slate, Highly weathered, brownish yellow.	10	[Dotted pattern]			Intercalating decomposed limy veinlets.
			15		Base of pit, 1.5 m.		Bedding; strike N 10° E, dip 85° NW.
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 2.12.63  
 COMPLETED 3.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-10

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 GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		very fine grained, grey.					plant roots.
CLAYEY SILT		poorly lateritized.	0.5			67	nodules, 0.3 - 0.7 cm in dia.
		sedentary soil due to completely weathered sandstone. Intercalating band of shale. light yellowish brown.	10				Bearing few white limy soft nodules, to 3cm in diameter.
SANDSTONE		yellow due to weathering.	15				Base of pit, 1.9 m
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 2, 12, '63  
 COMPLETED 4, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
ELECTRIC POWER DEVELOPMENT COMPANY  
(CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
CO-ORDINATES E 612 Km 481 N 1392 Km 066 R.L. GROUND 20 m  
DETAILS OF LOCALITY LQ 2 QUARRY AREA. TYPE OF EXCAVATION 10 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILT		light brown.  no coarse grain. damp, cohesive. dark brown.	0.5 10 15				plant roots.
CLAY		somewhat sandy - poor lateritization, with decomposed white or yellow limy nodules. damp. yellowish brown to dark grey.	20 25 30 35 40				Some laterite nodules are coated with yellow lime. diameter of nodules, 0.5 cm.
		no coarse grain. damp, cohesive. dull yellow.	30 35 40				water level, 3.75 m. 20 Dec. '63
			45 50 55 60 65	Base of pit, 4.3 m.			

HOLE MADE BY HAZAMA, Co.  
COMMENCED 4. 12. '63  
COMPLETED 11. 12. '63

LOGGED BY H. S.  
DRAWN BY H S  
CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 612 Km 332 N 1.392 Km 089 R L GROUND 19 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE- GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG. OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY CLAY		no coarse grains, cohesive, chocolate to deep brown.	0.5	[Hatched pattern]			plant roots.
		cohesive, brown.	10				
CLAY		poor lateritization, laterite nodules, to 0.5 cm.	15	[Hatched pattern]			
		cohesive, damp, brown.	20				
		cohesive, damp, brown.	25				with one sandstone boulder, 25 cm in dia.,
		decomposed white limy materials & nodules.	35	[Hatched pattern]			with weathered debris of sandstone.
			40				
			45				
			50				
			55				
			60				
			65				
				Base of pit, 3.7 m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 4, 12, '63  
 COMPLETED 11, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER,  
 LQ 2 - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 61.3 Km 349 N 1.391 Km 800 R.L. GROUND 29 m  
 DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		

SANDY SILT		fine grained, pale gray.					few laterite nodules, 0.2 cm.
SILTY CLAY		black unconsolidated laterite nodules, 0.4 cm, & completely decomposed sandstone debris. Mottled yellow & pale gray.	0.5				
SANDSTONE & SHALE		Completely weathered. Sandstone is decomposed to compact silty state. decomposed calcite veinlets develop. yellowish brown.	10 15				Intercalating shelled shale, 25 cm thick. Bedding: strike N 10° E, dip 80° SE.
			20	Base of pit, 1.9 m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 18. Dec, '63  
 COMPLETED 20. Dec, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES - E 613 Km 142 N 1.391 Km 805 R L GROUND 31 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		poorly lateritized. pale yellow.	0.5  1.0  1.5  2.0  2.5  3.0  3.5  4.0  4.5  5.0  5.5  6.0  6.5				plant roots.
SANDY CLAY		no coarse grains, sand, medium grained, cohesive. pale yellow.					with completely weathered sandstone boulders in dapple.
SANDSTONE		Completely decomposed due to weathering medium grained, compact. yellow.					massive residual boulders in some part.
			1.5	Base of pit, 1.4 m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 18. 12, '63  
 COMPLETED 19. 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 612 Km 962 N -1,391 Km 811 R.L GROUND 27 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0<sup>m</sup> x 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILT		no coarse grains. dark grey.					plant roots -
SANDY CLAY		with weathered sandstone boulder, 15 cm in dia. cohesive, deep grey. <u>laterite nodule layer.</u>	0.5				slightly lateritized.
SANDSTONE & SHLE		Almost decomposed.	1.0				
			1.5	Base of	pit, 1.5 m.		Intercalating weathered shale, 15 cm thick.  Bedding; strike N 15° E, dip 90°.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co  
 COMMENCED 21. 12. '63  
 COMPLETED 23. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
 LQ 2 - 16

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 612 Km 705 N 1,391 Km 859 R.L. GROUND 24 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		

CLAYEY SILT		organic smell. grey.					plant roots.
SILTY CLAY		laterite nodules, 0.4 cm.	0.5				fine plant roots.
		dark grey. Bearing completely weathered debris and fragments of shale and sandstone. damp. yellowish brown.	10 15				poor lateritization.  with one round quartz pebble, 2.5 cm.
SHALE & SANDSTONE		Completely weathered, damp cohesive. yellow - grey.	2.0				Bedding; obscure.
				Base of pit, 2.0 m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 24. 12. '63  
 COMPLETED 25. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 6.13 Km 0.70 N 1.391 Km 682 R.L. GROUND 29 m  
 DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SANDY SILT		fine grained. dark grey.					
SANDY CLAY		laterite nodule to Q5 cm and weathered sandstone debris. yellow.	0.5			48	lateritization.
		weathered sandstone & shale fragments or debris.					weak lateritization.
SANDSTONE & SHALE		Highly weathered. grey ~ brown.	1.0				Intercalating weathered shale, 25 cm thick.
				Base of pit. 1.1 m			plant roots reach to base of pit.
			1.5				
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA, Co.  
 COMMENCED 20. 12. '63  
 COMPLETED 23. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-18

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 612 Km 834 N 1,391 Km 705 R.L. GROUND 24 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY CLAY		no coarse grains. dark grey.	0.5			69	plant roots.
		poor lateritization.					shale debris; completely decomposed.
SHALE		Completely decomposed due to weathering, with much debris of shale. in SILTY CLAY. damp	1.0				sheeted. <i>Bedding</i> ; strike N 10° E, dip 80° NW.
		Highly weathered. clayey. yellow.	1.5				Base of pit, 1.6 m.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 24.12.63  
 COMPLETED 25.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ2 - 19

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 613 km. 384 N 1,391 km 524 R/L GROUND 28 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS	
					PERMEABILITY			
SILT		fine grained, spotting few yellow particles in dark.		0.5	[Hatched pattern]		organic smell. plant roots.	
SILTY CLAY		laterite nodules to 0.2 cm and a round quartz pebble.						very weak lateritization.
		cohesive, with small fragments of weathered shale, yellow to grey.						few plant roots.
SHALE		Completely weathered and clayey in some part, grey to yellow.	10				Bedding spacing, 1-3 cm.	
			15					
			20					
			25					
			30					
			35					
			40					
			45					
			50					
			55					
			60					
			65					

Base of pit, 1.2m.

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20. 12. '63  
 COMPLETED 21. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2 - 20

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 172 N 1391 Km 558 R.L. GROUND 29 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS			
					PERMEABILITY					
SILTY SAND		fine grained, yellow.	0.5	[Hatched pattern]			plant roots.			
SANDY CLAY		with completely weathered debris of sandstone.								no coarse grains.
SANDSTONE & SHALE		Completely weathered & decomposed. yellow to pale grey.					10			Intercalating weathered shale 10cm thick in sandy soil derived from sandstone.
			15				Bedding; strike N 10° E, dip 90°.			
			20							
			25							
			30							
			35							
			40							
			45							
			50							
			55							
			60							
			65							

Base of pit, 1.0 m.

HOLE MADE BY HAZAMA Co.  
 COMMENCED 17. 12. '63  
 COMPLETED 17. 12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY A. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-21

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.  
 CO-ORDINATES: E 613 Km 035 N 1391 Km 469 R.L GROUND 27 m.  
 DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS			
				PERMEABILITY						
SILTY SAND		fine grained, greyish yellow, yellow.	05	[Hatched pattern]			plant roots.			
SANDY SILT		Scattered small sized laterite nodules, 0.3 cm								with few well rounded quartz pebbles, to 1.5cm.
SANDSTONE & SHALE		Sandstone becomes to sandy soil, and shale remains original state, in situ.  yellow to yellowish grey.					10	[Dotted pattern]		
			15	[Dotted pattern]						
			20		Base of pit, 1.7m.					
			25							
			30							
			35							
			40							
			45							
			50							
			55							
			60							
			65							

HOLE MADE BY HAZAMA Co.  
 COMMENCED 18.12.63  
 COMPLETED 19.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY A. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-22

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 292 N 1,391 Km 420 R.L. GROUND 28 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SAND		very fine grained, pale grey,					plant roots.
SANDY SILT		very few laterite nodules 0.3cm & small rounded quartz pebbles.					
SANDY CLAY		with completely weathered sandstone debris. cohesive, yellowish brown.					
SANDSTONE		Completely decomposed, due to weathering, and forming compact sandy soil  brown.					
			20	Base of pit, 1.8 m			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19.12.'63  
 COMPLETED 20.12.'63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-23

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES E 613 km 167 N 1391 km 313 R.L. GROUND 25 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0 x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, gray, few laterite nodules, 0.3 cm.					plant roots.
SANDY CLAY		few laterite nodules and decomposed small limy nodules, dull yellow.	0.5				
CLAY		few laterite nodules and weathered sandstone debris.	10				with white limy nodules to 0.2cm.
		Striped yellow in greyish brown matrix, cohesive, with weathered shale fragments.	15				
SHALE		Highly weathered, friable, Easily becomes cubic small fragments, slightly damp, joints and beddings are stained to black, greyish yellow.	20				Bedding spacing 1-2 cm, strike N 10° E, dip 80 SE.
			25				
			30		Base of pit, 3.0 m.		
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20, 12, '63  
 COMPLETED 23, 12, 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ2-24

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 613 Km 328 N 1,392 Km 067 R.L. GROUND 31 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		sand grains, very fine - somewhat silty, grey. laterite nodules to 0.6 cm.	0.5				plant roots.
SILTY CLAY		lateritized materials are coated with lime. yellowish brown.	1.0			50	lateritized materials, irregular shaped, flat, size, 0.4-2 cm.
CLAY		black and soft lateritized spots in yellow matrix.	1.5				
SHALE		Highly weathered. intercalating clayey materials on bedding, grey stains yellow.	2.0				Bedding spacing 3-5 cm. strike. N10° W, dip 35° NE. somewhat damp.
			2.5	Base	pit, 2.1m.		
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMACO.  
 COMMENCED 17.12.63  
 COMPLETED 20.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ2 - 25

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 29 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SILTY CLAY		no coarse grained. dark greyish brown.	0.5  1.0  1.5				plant roots.
CLAY		laterite nodules, 0.5 cm. yellow - greyish brown.					few fine plant roots.
SHALE		Completely weathered and friable Each particles shows 0.5 - 1.5 cm cubic. yellow.  Highly weathered, jointed. yellow.					Bedding ; strike N 10° W, dip 70 NE.  sheeting spacing, 0.5 - 1.5 cm in common.
			2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 1.7 m.			

HOLE MADE BY HAZAMA Co.  
 COMMENCED 20.12.'63  
 COMPLETED 21.12.'63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ2 - 26

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 612 Km 888 N 1.392 Km 100 R.L. GROUND 28 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION- GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SANDY SILT		very fine grained, with few laterite nodules 0.3cm, dark grey.					plant roots,
SHALE		Highly weathered & jointed, or closely sheeted. Each particles forms 0.5- 2cm in cubic, yellow.	0.5				with few plant roots.
		weathered sheeted, clayey in part. grey - yellow.	1.0				Bedding spacing 1-3cm,
			1.5	Base of pit, 1.2 m.			strike N10° E, dip 75° SE. uneasy to dig by hand hoe.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 21.12. '63  
 COMPLETED 21.12. '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-27

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 612 km 733 N 1,392 km 080 R.L. GROUND 25 m  
 DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEA BILITY		
SILTY SAND		fine grained, grey.					plant roots.
SILTY CLAY		laterite nodules, subangular, to 1cm.	0.5				
		with weathered debris of sandstone and shale, in plenty, grey-yellow.					
SANDSTONE & SHALE.		Completely decomposed due to weathering, yellow.	10				Intercalating weathered shale, 5cm thick.
			15	Base of pit, 1.3 m.			Bedding; strike N10° E, dip 80° NW.
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 21. 17. 63  
 COMPLETED 21. 12. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)


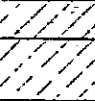

EXCAVATION NUMBER  
 LQ2-28

TEST PIT AND AUGER HOLE LOG

LOCATION 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 LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine to medium grain, with few laterite nodule, 0.3cm. pink - pinkish yellow.	0.5				plant roots.
		laterite nodules, 0.3 - 1cm, in plenty.					lateritization.
SANDY CLAY.		with black unconsolidated laterite nodules, to 0.5cm.	1.0				weak lateritization.
		Bearing small fragments of shale. yellow.					
SILTSTONE & SHALE		Completely weathered, & decomposed. Able to dig by hand hoe. with few fine plant roots. yellow.	1.5				sheeted rock. Bedding; strike N 60° W, dip 60° NE.
			2.0				
			2.5	Base of pit, 2.3 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 21. 12. 63  
 COMPLETED 25. 12. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 2-29

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES E 613 km 191 N 1392 km 220 R.L. GROUND 30 m

DETAILS OF LOCALITY LQ 2 QUARRY AREA TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained grey.					plant roots.
SILTY CLAY		laterite nodules, 3cm thick. with laterite and white limy nodules. dull brown.	05				nodules in small quantity.
SANDY CLAY		unsolidified black laterite nodules, in small quantity. yellow.	10				
SANDSTONE		Completely decomposed due to weathering, compact. Able to dig by hand hoe. light brown.	15				massive state. fine to medium grained. cohesive in powder.
			20	Base of pit, 2.0 m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 23.12.63  
 COMPLETED 28.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ2 - 30

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km N 1,392 Km 557 R.L. GROUND 27 m

DETAILS OF LOCALITY LQ2 QUARRY AREA TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			
SAND		fine grained, light pink.					plant roots.
SANDY CLAY		sandstone debris.	0.5				Completely weathered.
		fine grained sand. yellow - light pink.					
SILTY CLAY		no coarse grains. yellow - light brown.	1.0				
		with black unconsolidated laterite nodules, to 1cm. cohesive. light yellow - grey.	1.5				
SANDSTONE		Completely weathered. Able to dig by hand hoe. clayey silt. pale yellow.	2.0				massive. somewhat cohesive in powder.
			2.5	Base of pit, 2.1 m.			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 21.12.'63  
 COMPLETED 28.12.'63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)					EXCAVATION NUMBER <b>LQ 2-31</b>	
<b>TEST PIT AND AUGER HOLE LOG</b>						
LOCATION <u>Sambor Project, CAMBODIA.</u>			FEATURE <u>Left Bank.</u>			
CO-ORDINATES: E <u>613 Km 070 N 1,392 Km 380</u>			R L GROUND <u>25 m</u>			
DETAILS OF LOCALITY <u>LQ 2 QUARRY AREA</u>			TYPE OF EXCAVATION <u>1.0m X 1.5m</u>			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		few laterite nodules, 0.5 cm. dark brownish grey.		//		organic smell with plant roots
SHALE & SILTSTONE		yellow due to high degree of weathering.	0.5			few fine plant roots.
			10	Base of pit, 0.7 m.		sheeted. Bedding; strike N 10° E, dip 80° NW.  spacing, 0.5 - 2 cm.
			1.5			
			2.0			
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			
HOLE MADE BY <u>HAZAMA Co.</u>				LOGGED BY <u>H. S.</u>		
COMMENCED <u>23. 12. '63</u>				DRAWN BY <u>H. S.</u>		
COMPLETED <u>23. 12. '63</u>				CHECKED BY <u>H. S.</u>		

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. EXCAVATION NUMBER  
 ELECTRIC POWER DEVELOPMENT COMPANY LQ2-32  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

LOCATION: Sambor Project, CAMBODIA FEATURE: Left Bank

CO-ORDINATES: E 612 Km 905 N 1,392 Km 315 R.L. GROUND: 26 m

DETAILS OF LOCALITY: LQ 2 QUARRY AREA TYPE OF EXCAVATION: 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SHALE		Hardly weathered & jointed friable, each particles into 0.5-1cm in cubic. pale yellow.	0.5				plant roots.
		weathered, clayey in part, uneasily to dig by hand hoe. yellow.					Bedding; strike N 15° E, dip 70° SE.
			1.0	Base of pit, 1.0 m.			sheeting spacing, 0.5 - 2 cm.
			1.5				
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMACO.  
 COMMENCED 23. 12. 63  
 COMPLETED 23. 12. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 3 - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 615 km 53 N 1384 km 81 R.L GROUND 30 m 10

DETAILS OF LOCALITY: LQ 3 QUARRY AREA. TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS	
					PERMEABILITY			
SILTY SAND		fine grained, dark brown. laterite nodules, 0.5 cm.					Plant roots, with few round quartz pebbles, 1 - 4 cm.	
CLAYEY SAND		Bearing few shale debris, decomposed limy nodules, and patches, brown to chocolate.	0.5 1.0					
LIME		Highly weathered, with limy nodules, 1.5 cm	1.5					
CONGLOMERATE		weathered, but sound, chocolate.	1.5					clayey.
			2.0	Base of pit, 1.8 m			massive and compact, pebble size; rather small. Some parts show granite facies.	
			25					
			30					
			35					
			40					
			45					
			50					
			55					
			60					
			65					

HOLE MADE BY HAZAMA CO.  
 COMMENCED 17, 12, '63  
 COMPLETED 18, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)  
**TEST PIT AND AUGER HOLE LOG**

EXCAVATION NUMBER  
**LQ 2 - 33**

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES E. 612 Km 729 N. 1,392 Km 283 R.L. GROUND 25 m

DETAILS OF LOCALITY LQ 2. QUARRY AREA. TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		laterite nodules to 0.8 cm, in part yellowish brown.	0.5  1.0	[Diagonal Hatching]			plant roots.
SANDY CLAY		laterite nodules to 0.5 cm, in part fine grained sand, dark brown.					
SILTY CLAY		Bearing weathered & decomposed sandstone debris, yellowish brown.					
SHALE & SANDSTONE		Highly weathered, yellow.					
			1.5		Base of pit, 1.3 m.		Bedding; strike N5° W, dip 60° WE. shale; sheeted & clayey. sandstone; remains original feature & somewhat sound in part.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMACo.  
 COMMENCED 23.12.63  
 COMPLETED 23.12.63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY H. S.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 3-2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank  
 CO-ORDINATES E 615 Km 00 N 1384 Km 50 R.L. GROUND 30 m 50  
 DETAILS OF LOCALITY LQ 3 QUARRY AREA. TYPE OF EXCAVATION 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained. orange - yellow.					plant roots.
SILTY CLAY		weak lateritization. Mottled orange and pale grey, cohesive.	05				well round quartz pebbles, 1-4 cm.
CLAYEY SAND		completely decomposed sandstone debris, yellow.					
SANDSTONE		medium - coarse grained. Highly weathered, slightly clayey, purple.	10				massive. Bedding ; strike N30° N, dip. 10° SW ?
			15	Base of pit, 1.8 m.			
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA CO  
 COMMENCED 16, 12, '63  
 COMPLETED 17, 12, '63

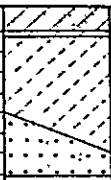
LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 3 - 3

TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA. FEATURE: Left Bank  
 CO-ORDINATES: E 614 km 50 N 1383 km 93 R.L. GROUND: 33 m 50  
 DETAILS OF LOCALITY: LQ3 QUARRY AREA. TYPE OF EXCAVATION: 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, dark brown.					plant root.
CLAY		few laterite nodules, to 0.5cm and round pebbles. cohesive, reddish brown.	0.5				round pebbles; quartz, 2-4 cm, rather flat.  fine plant roots.
SANDSTONE		somewhat weathered, sand. medium grained. dark brown.	10	Base of pit, 0.8 m.			Bedding; strike N 10° W, dip 2°-5° SW.  Joints; spacing 25-40 cm. strike N 70° E, dip 90°.
			15				
			20				
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 16, 12, '63  
 COMPLETED 16, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS)				EXCAVATION NUMBER LQ3 - 4		
<b>TEST PIT AND AUGER HOLE LOG</b>						
LOCATION <u>Sambor Project, CAMBODIA.</u>		FEATURE <u>Left Bank.</u>				
CO-ORDINATES <u>E 613 km 90 N 1384 km 15</u>		R.L GROUND <u>30 m 00</u>				
DETAILS OF LOCALITY <u>LQ3 QUARRY AREA.</u>			TYPE OF EXCAVATION <u>1.0<sup>m</sup> X 1.5 m</u>			
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No	COMMENTS
CLAY		siltstone fragments in small quantity, cohesive, reddish brown.		/ / / / /		plant roots,
SILTSTONE		wearhered, sound, chocolate to purple.	0.5			massive, jointed.
			10	Base of pit, 0.6 m.		
			15			
			20			
			25			
			30			
			35			
			40			
			45			
			50			
			55			
			60			
			65			
HOLE MADE BY <u>HAZAMA Co.</u>				LOGGED BY <u>H. S.</u>		
COMMENCED <u>18, 12, 63</u>				DRAWN BY <u>H. S.</u>		
COMPLETED <u>18, 12, 63</u>				CHECKED BY <u>J. H.</u>		



OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ3-5

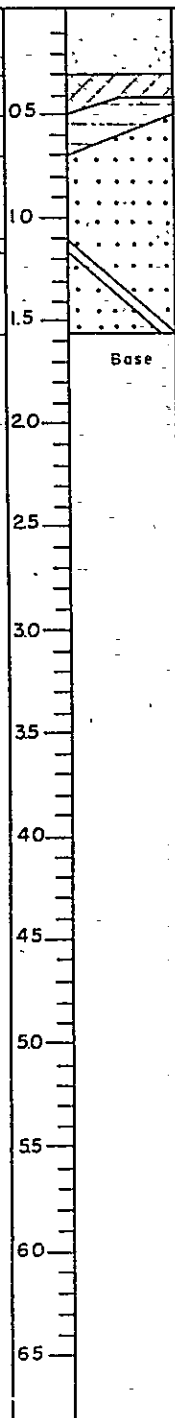
TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 615 Km 62 N 1384 Km 18 R.L. GROUND 35 m 00

DETAILS OF LOCALITY LQ3 QUARRY AREA. TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SAND		laterite nodules, 0.3 cm & round quartz pebbles, 1-2 cm.	0.5 1.0 1.5				plant roots.
SANDY CLAY		fine grained, yellow, with limy nodules 2 - 2.5 cm, yellow to purple.					Bedding;
CLAYSTONE		weathered, chocolate.					strike N-S,
SANDSTONE		medium to coarse grained, grey. weathered quartz vein, 5 cm. weathered, soft, granule conglomerate in part.					dip 25° W.
				Base of pit, 1.5 m.			
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 17. 12. 63  
 COMPLETED 18. 12. 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ3-6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 87 N 1383 Km 73 R.L. GROUND 35 m 00

DETAILS OF LOCALITY LQ3 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
					PERMEABILITY		
SILTY SAND		fine grained, brown. laterite nodules to 1cm & few sandstone debris.	0.5				plant roots.
CLAY		with few pebbles and debris, cohesive.  dull brown.	10				
CONGLOMERATE		Highly weathered, small pebble conglomerate, matrix loosen.	15				gravel size; 0.5-5cm, to 1cm, common.
		decomposed soft lime vein.					lime veins, nearly horizontal.
		gravels cemented with silty granules.	20				gravels; quartz, quartzose rock, slate & sandstone.
		decomposed soft lime vein.					
		decomposed soft lime vein.	25				
		purple.					
		weathered. some part very hard due to cemented with lime solution, purple.	30			631227 02	
			35	Base of pit, 3.5 m.			
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 13, 12, '63  
 COMPLETED 18, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ3-8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 615 Km 72 N 1382 Km 93 R.L. GROUND 40 m 00

DETAILS OF LOCALITY LQ3 QUARRY AREA. TYPE OF EXCAVATION 1.0 m X 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
				PERMEABILITY			
SAND		fine grained, pale grey-yellow. laterite nodules, to 0.5cm and round quartz pebbles, 1.5-2cm.	0.5				plant roots.
CLAY		few coarse grains. cohesive. reddish brown. decomposed medium grained sandstone in part.	1.0				
SANDSTONE		weathered, sound in part, medium grained. purple to deep brown.	1.5				Bedding; strike N 20° W, dip 10° SW. Easily crushed by hands in part.
			2.0		Base of pit, 1.5 m.		
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMA CO.  
 COMMENCED 21, 12, '63  
 COMPLETED 23, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ3-9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES: E 6.5 km 24 N 1382 km 87 R.L. GROUND 38 m 50

DETAILS OF LOCALITY LQ3 QUARRY AREA. TYPE OF EXCAVATION 1.0 m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS
				PERMEABILITY			

SAND		fine grained, yellow to greyish yellow. laterite nodules, to 0.5cm, angular & quartz pebbles.	0.5				plant roots.
CLAY		weathered sandstone boulders & cobbles. cohesive, yellow.  decomposed white limy nodules and patches, chocolate.	10				quartz pebbles, round 2-3cm, in a little.
SILTSTONE		weathered, soft, slightly damp, chocolate.	15				massive, developing some calcite veinlet, soft.
			20	Base of pit, 1.7m.			
			25				
			30				
			35				
			40				
			45				
			50				
			55				
			60				
			65				

HOLE MADE BY HAZAMACO  
 COMMENCED 19, 12, '63  
 COMPLETED 20, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. K.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN ELECTRIC POWER DEVELOPMENT COMPANY (CONSULTING ENGINEERS) <b>TEST PIT AND AUGER HOLE LOG</b>				EXCAVATION NUMBER <b>LQ3 - 10</b>		
LOCATION <u>Sambor Project, CAMBODIA.</u>		FEATURE <u>Left Bank</u>				
CO-ORDINATES <u>E 614 Km 50 N 1382 Km 83'</u>		R.L. GROUND <u>36 m 80</u>				
DETAILS OF LOCALITY <u>LQ3 QUARRY AREA.</u>		TYPE OF EXCAVATION <u>1.0<sup>m</sup> X 1.5<sup>m</sup></u>				
SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, dark brown.				
SANDY SILT		Scattering quartz pebbles, 1-15cm. yellow.				plant roots.
		round quartz pebbles; rather flat, 1-2cm.	0.5			
		few coarse materials.	1.0			
		cohesive, brownish yellow.	1.5			
CLAY		compact, some chocolate claystone debris & fragment, cohesive, damp, chocolate.	2.0			
			2.5			
CLAYSTONE		highly weathered, chocolate.	3.0			massive. Bedding; nearly horizontal.
			35			
			40			
			45			
			50			
			55			
			60			
			65			
HOLE MADE BY <u>HAZAMA Co.</u> COMMENCED <u>10, 12, '63</u> COMPLETED <u>23, 12, '63</u>				LOGGED BY <u>H.S.</u> DRAWN BY <u>H.S.</u> CHECKED BY <u>J.H.</u>		

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ3 - 11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank  
 CO-ORDINATES E 613 km 45 N 1384 km 23 R.L. GROUND 26 m 70  
 DETAILS OF LOCALITY LQ3 QUARRY AREA TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained, brown.					
SANDY SILT		laterite nodules, to 0.5 cm, and few round quartz pebbles, 1 - 3 cm.					plant roots.
CLAY		cohesive, yellowish brown.	0.5				
		lime coated claystone fragments, 1 - 3 cm.					
		with completely decomposed claystone debris.	1.0				
CLAYSTONE		weathered but sound, purple.	1.5				massive, jointed.
			2.0	Base of pit, 1.6 m.			Bedding; strike N 65° E, dip 5° SE ?
			2.5				friable at state of tossing moisture.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.  
 COMMENCED 19, 12, '63  
 COMPLETED 20, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 3 - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 613 Km 76 N 1382 Km 48 R L GROUND 29 m 50

DETAILS OF LOCALITY LQ3 QUARRY AREA TYPE OF EXCAVATION 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No	COMMENTS			
				PERMEABILITY						
SAND		laterite nodules, to 0.5 cm, round, fine grained, brown.	0.5				plant roots with some round quartz pebble, 1-3cm.			
SILTY CLAY		lateritic nodules to 1cm, angular, cohesive, brown.								with completely weathered sandstone debris.
SILTSTONE		weathered, sound large boulder filled with brown clay, light purple.								massive.
			10		Base of pit, 0.8 m.					
			15							
			20							
			25							
			30							
			35							
			40							
			45							
			50							
			55							
			60							
			65							

HOLE MADE BY HAZAMA CO.  
 COMMENCED 16, 12, '63  
 COMPLETED 16, 12, '63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 ELECTRIC POWER DEVELOPMENT COMPANY  
 (CONSULTING ENGINEERS)

EXCAVATION NUMBER  
 LQ 3-14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.  
 CO-ORDINATES: E 615 Km 35 N 1382 Km 00 R.L. GROUND 35 m 50  
 DETAILS OF LOCALITY LQ 3 QUARRY - AREA. TYPE OF EXCAVATION 1.0<sup>m</sup> X 1.5<sup>m</sup>

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION		SAMPLE No.	COMMENTS
					PERMEABILITY		
SAND		fine grained. pale grey.	0.5				plant roots.
		fine grained. with no coarse grains. light pink to yellow.	1.0				
CLAY		laterite nodules, to 0.5 cm, & round quartz pebbles.	1.5				quartz pebbles, 1-3 cm in dia.
		Scattering some decomposed white limy nodules. cohesive. orange.	2.0				
SANDY CLAY		Completely decomposed sandstone boulders are filled with cohesive clay, clay; Spotting yellow in grey matrix. sandstone; medium grained.	2.5				damp.
			3.0				
			3.5	Base of pit, 3.1 m.			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA CO.  
 COMMENCED 21, 12, 63  
 COMPLETED 25, 12, 63

LOGGED BY H. S.  
 DRAWN BY H. S.  
 CHECKED BY J. H.



**D. DRILL AND AUGER HOLES FOR NAVIGATION LOCK**

LIST OF BORING HOLES  
DRILL HOLES

HOLE	LOCATION	ELEVATION (m)	DEPTH OF HOLE (m)	DEPTH OF OVER- BURDEN (m)	LOG SHEET (No.)
DH. 6401	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
6405	" "	+20.00	8.0	4.45	7
6406	" B-LINE	+18.00	24.0	21.60	8-9
6407	" A-LINE	+19.90	30.0	28.50	10-11
6408	" "	+19.80	12.0	9.50	12
6409	" "	+19.10	10.0	7.30	13
6410	" "	+20.80	10.0	5.90	14
6411	" "	+18.00	7.0	2.30	15
6412	" "	+20.30	6.0	3.90	16
6413	" C-LINE	+20.50	20.0	15.15	17

LIST OF BORING HOLES  
AUGER HOLES

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HOLE	LOCATION	ELEVATION (m)	DEPTH OF HOLE (m)	DEPTH OF OVER- BURDEN (m)	LOG SHEET (No.)
AH 6402	LEFT BANK A -LINE	+19.0	5.0		18
6403	" "	+19.0	5.0		19
6404	" "	+19.0	3.2	2.75	20
6404'	" "	+19.0	1.2		21
6405	" "	+20.0	3.0	2.65	22
6406	" "	+24.0	1.0	0.50	23
6407	" "	+19.0	2.0	1.60	24
6408	EAST OF " PHNOM SAMBOC	+20.0	0.7	0.20	25
6409	" "	+19.0	4.0		26
6410	" "	+20.0	0.8	0.20	27
6411	" "	+20.0	0.7	0.50	28
6412	" B - LINE	+18.0	3.0		29
6415	" "	+19.0	5.0		30
6417	" "	+18.0	5.0		31
6418	" "	+18.0	3.0		32
6419	" A - LINE	+19.0	5.0		33
6420	" "	+19.0	3.5		34
6421	" "	+19.0	5.0		35
6422	RIGHT BANK	+20.0	2.5	2.0	36
6423	"	+20.0	5.0		37

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI LTD (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No. D.H 6401-1

CO ORDINATES

E609 km 180 N 1,393 km 175 R.L. GROUND 20.70

LOCATION NAVIGATION

CHANNEL (A LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT	CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE						
									10	20	30	40	50	60	
CLAY	muddy clay with sandstone fragments gray	1					depth of water 3 <sup>m</sup> 38 Supporting swamp grass in water								
SANDSTONE highly weathered	greenish gray	2	68			95	Consists of weathered sandstone or shale fragments.								
SANDSTONE weathered	bluish gray	3	mm			56									
		4				65									
		5				90									
SANDSTONE	medium grained	6					joints are spaced 3cm ~ 5cm								
SANDSTONE somewhat weathered		7					joints are spaced 5cm ~ 15cm								
	bluish gray	8													
		9				100									
SANDSTONE	SHALE dark grey	10	30 mm				joint planes are not stained								
		11													
	bluish gray	12					calcite veins 0.2cm ~ 0.3cm thick in general								
		13													
fresh	SHALE dark gray	14					bedding dip 60°								
		15													
	SHALE dark gray	16					developing calcite veinlets								
		17					whole joints are not stained								
		18					calcite veins 0.3 <sup>cm</sup> thick								
	SHALE dark gray	19					crush zone								
	SHALE dark gray	20					crush zone								

DRILLER	EXPLANATION CASING IN DRILL HOLE DURING DRILLING	LOGGED BY	_____
			DRAWN BY
COMMONED	WATER LEVEL IN DRILL HOLE (DATE)	CHECKED BY	_____
COMPLETED	THIN WALL SAMPLING	BY	_____
	PLACE TOKYO	DATE MAR 1965	SHEET 1 OF 2
			DRAWING No. _____

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN.  
 HAZAMA GUMI L.T.D. (CONTRACTOR)  
**GEOLOGICAL 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 RLGROUND 20.70  
 LOCATION POWER HOUSE ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CAC-ING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE-COVERY%	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE								
								10	20	30	40	50	60			
SHALE	blackish gray	1	30 mm			brittled										
	Lifting good core	2					With no joint and CRACK									
SHALE	blackish gray	3				brittled										
SANDSTONE		4			90	calcite veinlets develop 15cm thick joints are spaced 5cm ~ 10cm										
		5														
fresh	bluish gray	6														
SHALE	SHALE blackish gray	7				brittled										
SANDSTONE		8														
fresh	Consists of sandstone breccia	9				disturbed zone dia 4~5cm										
	CALCITE	10				calcite vein 5cm thick										
		11				End of hole 30" 0										
		12														
		13														
		14														
		15														
		16														
		17														
		18														
		19														
		20														

DRILLER _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING ■ WATER LEVEL IN DRILL HOLE ◀ (DATE)	LOGGED BY _____
COMMONED _____		DRAWN BY _____
COMPLETED _____		CHECKED BY _____
	PLACE TOKYO	DATE MAR 1965
	SHEET 2 OF 2	DRAWING No _____

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No DH-6402

CO-ORDINATES E 612 km 210 N 1.390 km 335 RL GROUND 20.50

LOCATION NAVIGATION CHANNEL: (A LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CAS-ING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE-COVERY%	STRUCTURES JOINTS VEINS SEAMS FAULTS CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N. VALUE							
								10	20	30	40	50	60		
SILTY CLAY	gray					With plant roots									
CLAY	Well graded plastic yellowish brown		1												
			2			With no grain	T-1								
			3												
CLAY	Light brown SILTY CLAY yellowish brown		4	68 mm											
			5		90										
CLAYEY SAND	fine to medium grained		6			bearing sand stone fragments									
			7												
			8												
SANDSTONE highly weathered	Crushed zone grayish brown		9			intercalate clayey seam in part.									
			10	30 mm											
			11			End of hole 10.00									
			12												
			13												
			14												
			15												
			16												
			17												
			18												
			19												
			20												

DRILLER _____ COMMONED _____ COMPLETED _____	EXPLANATION		LOGGED BY _____
	CASING IN DRILL HOLE DURING DRILLING ■		DRAWN BY _____
	WATER LEVEL IN DRILL HOLE (DATE)		CHECKED BY _____
	PLACE	DATE	SHEET _____ OF _____
	TOKYO	MAR 1965	DRAWING No _____

GEOLOGICAL LOG DRILL HOLE

SAMBOR CANAL, CAMBODIA  
 HOLE No. D.H. 6403-1 CO-ORDINATES E609 km 385, N 1,386km 105 R.L GROUND 18.30  
 LOCATION NAVIGATION CHANNEL (B LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZE	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE-COVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE													
								10	20	30	40	50	60								
SILTY CLAY	fine grained					with plant roots															
CLAY	plastic, drg.		1																		
	mottled black to brown		2			laterite nodules dia 0.5cm~1.0cm	T-1														
	plastic, high dry strength		3																		
CLAY			4			scattered laterite nodules in part															
			5	68																	
			6	mm																	
			7			90			T-2												
SILTY CLAY	grad ational boundary alternations of clayey silt and fine sand		8																		
			9																		
			10				becoming sandy gradually dually														
			11																		
			12				partially clayey														
			13				silt or clayey sand														
			14				these bed are 10cm~15cm in thickness														
	15				bearing some calcareous nodule																
	16																				
	17																				
	18																				
	19																				
	20																				

22n / 30cm

DRILLER	Y.S	EXPLANATION CASING IN DRLL HOLE DURING DRILLING WATER LEVEL IN DRLL HOLE (DATE) THIN WALL SAMPLING	LOGGED BY	
COMMONED	7.1.65		DRAWN BY	
COMPLETED	9.1.65		CHECKED BY	
		PLACE	DATE	SHEET
		TOKYO	MAR 1965	OF 2
		DRAWING No.		

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL CAMBODIA

FEATURE RIGHT BANK

HOLE No. DH 6403-2 CO-ORDINATES E 609 km 385 N 1386 km 105 RL GROUND 18.30

LOCATION NAVIGATION CHANNEL (B LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CAS-ING	DEPTH SIZE OF CORE	LOG	LIFT CORE RE-COVERY%	STRUCTURES JOINTS, VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE					
								10	20	30	40	50	60
SILTY SAND	decomposed sand medium to fine grained	1	48 mm	/ / / / /	70	inter catate silty clay in part		35n / 30cm					
	brown	2											
SANDSTONE	weathered	3	30	.	100	jointed							
SANDSTONE fresh	medium grained	4				jointed and calcite							
	Lifting very good core gray - purplish gray	5				Veins are very few.							
		6				End of hole 25.70							
		7											
		8											
		9											
		10											
		11											
		12											
		13											
		14											
		15											
		16											
		17											
		18											
		19											
		20											

DRILLER _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING : WATER LEVEL IN DRILL HOLE ◀ (DATE)	LOGGED BY _____
		DRAWN BY _____
COMMONED _____	THIN WALL SAMPLING	CHECKED BY _____
COMPLETED _____		PLACE _____ DATE _____
	TOKYO MAR 1965	SHEET 2 OF 2
		DRAWING No _____





OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA.

FEATURE RIGHT BANK

HOLE No DH 6405 CO-ORDINATES E 611 km 375 N 1388 km 135 RL GROUND 20.00

LOCATION NAVIGATION CHANNEL (B LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CAS-ING	DEPTH SIZE OF CORE	LOG	LEFT CORE RE-COVERY%	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE								
								10	20	30	40	50	60			
SANDY CLAY SILTY SAND	organic soil black in general brown	1	73			With plant roots decomposed sandstone	T-1 T-2 T-3									
SANDSTONE highly weathered	bluish gray	2				Constists of sandstone defritus										
		3	58		80											
SANDSTONE fresh	fine to medium grained bluish gray	5				Calcite veins rich dip 60° or vertical										
		6	30													
SANDSTONE weathered	bluish gray	7				joint placed 2-15cm and planes are stained.										
		8														
		9				End of hole 8m										
		10														
		11														
		12														
		13														
		14														
		15														
		16														
		17														
		18														
		19														
		20														

DRILLER _____	EXPLANATION		LOGGED BY _____
COMMONED _____	CASING IN DRILL HOLE DURING DRILLING ■		DRAWN BY _____
COMPLETED _____	WATER LEVEL IN DRILL HOLE ◀ ( DATE )		CHECKED BY _____
	THIN WALL SAMPLING ■	PLACE _____	BY _____
		DATE _____	SHEET _____ OF _____
		TOKYO MAR 1965	DRAWING No _____

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OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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

GEOLOGICAL LOG OF DRILL HOLE

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 LINE)

ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CAS-ING	DEPTH		LOG	LIFT CORE RE-COVERY %	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE											
			SIZE OF CORE						10	20	30	40	50	60						
SILTY CLAY	gray						with plant roots													
CLAY	lean stiff, dry	1							T-1											
		2						bearing laterite nodules dia 0.5~1.0 cm cm	T-2											
		3							T-3											
		4	68						6/1											
		5							T-4											
		6																		
SILTY CLAY	lean, stiff half dry	7																		
		8				90			T-5											
		9																		
		10																		
		11																		
		12							no laterite no dules	T-6										
CLAYEY SILT	well graded grains bluish gray	13	58																	
		14																		
SILTY CLAY	gray	15																		
		16																		
SILTY CLAY	gray	17																		
		18																		
SILTY CLAY	gray	19																		
		20																		

DRILLER _____ COMMONED _____ COMPLETED _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING I WATER LEVEL IN DRILL HOLE ◀ (DATE)		LOGGED BY _____ DRAWN BY _____ CHECKED BY _____
	PLACE TOKYO	DATE MAR 1965	SHEET 1 OF 2 DRAWING No _____

227 / 30cm

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OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN <span style="float: right;">9</span> HAZAMA-GUMI L.T.D (CONTRACTOR) <b>GEOLOGICAL LOG OF DRILL HOLE</b> SAMBOR CANAL, CAMBODIA <span style="float: right;">FEATURE RIGHT BANK</span> HOLE No DH 6406-2 CO-ORDINATES E609 km 490 N 1,385 km 350 RL GROUND 18.00 LOCATION NAVIGATION CHANNEL (A LINE) <span style="float: right;">ANGLE FROM HORIZONTAL 90° DIRECTION</span>								
SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CAS-ING	DEPTH SIZE OF CORE	LOG	JOINT CORE RE-COVERY%	STRUCTURES JOINTS, VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALJE 10 20 30 40 50 60
SAND	<i>medium grained bluish gray</i>	1	58			<i>Transported by River action</i>		• 137 / 30 cm
SANDSTONE	<i>fine to medium grained</i>	2			90	<i>joints spaced 3cm to 5cm . dip 10°-20° joint planes are not stained.</i>		
<i>fresh</i>	<i>bluish gray</i>	3	30					
		4				<i>End of hole 240</i>		
		5						
		6						
		7						
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						
DRILLER _____	EXPLANATION					LOGGED BY _____		
COMMONED _____	CASING IN DRILL HOLE DURING DRILLING I					DRAWN BY _____		
COMPLETED _____	WATER LEVEL INDRILL HOLE (DATE)					CHECKED BY _____		
	PLACE	DATE	SHEET		DRAWING		No	
	TOKYO	MAR 1965	2 OF 2					

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GEOLOGICAL LOG OF DRILL HOLE

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

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L CAGING	DEFYH SIZE OF CORE	LOG	LIFT. CORE RECOVERY%	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60
SILTY CLAY	black dry					organic	T-1	
CLAY	plastic dry	1	68	90	Containing Laterite modules dia 0.5 cm ~ 10 cm	T-2	Water Level (2.1.65)	
		2						
		3						
		4						
		5						
		6						
		6						
SILTY CLAY	lean stiff plastic	7	68	90	becoming Laterisation	T-3		
		8						
		9						
		10						
		11						
		11						
		11						
CLAYEY SILT	gradutional boundary - yellow	12	68	90	intercalate clayey bed in past	T-4		
		13						
		13						
		13						
		13						
		13						
		13						
CLAYEY SILT	mottled brown - yellow	14	68	90	intercalate clayey bed in past	T-5		
		15						
		15						
		15						
		15						
		15						
		15						
CLAYEY SILT	mottled brown - yellow	16	68	90	intercalate clayey bed in past	T-6		
		17						
		17						
		17						
		17						
		17						
		17						
CLAYEY SILT	mottled brown - yellow	18	68	90	intercalate clayey bed in past	T-7		
		19						
		19						
		19						
		19						
		19						
		19						
CLAYEY SILT	mottled brown - yellow	20	68	90	intercalate clayey bed in past	T-8		
		21						
		21						
		21						
		21						
		21						
		21						
CLAYEY SILT	mottled brown - yellow	22	68	90	intercalate clayey bed in past	T-9		
		23						
		23						
		23						
		23						
		23						
		23						

• 23 11 / 30 cm

• 17 11 / 30 cm

DRILLER _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING   WATER LEVEL IN DRILL HOLE (DATE)	LOGGED BY _____
COMMONED _____		DRAWN BY _____
COMPLETED _____	PLACE TOKYO	DATE MAR 1965
	SHEET _____	OF 2
	DRAWING No. _____	



**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA  
 HOLE No. D.H 6408 CO-ORDINATES E 611 km 470 N 1,394 km 935 R.L. GROUND 19.80  
 LOCATION NAVIGATION CHANNEL (A LINE) FEATURE RIGHT BANK  
 ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L. CASING	DEPTH SIZE OF CORE	LOG	LITHO CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
CLAYEY SILT	gray					With Same plant Roots									
	brown		68												
CLAY	yellowish brown				90		T-1								
	dark brown		58			with laterite nodules grain size 0.2-0.3 cm									
SILTY	yellowish gray					with laterite nodules grain size 0.5 cm									
CLAY	dark brown					containing calcareous modules dia 3 <sup>cm</sup> to 5 <sup>cm</sup>	T-2								
SANDSTONE highly weathered	decomposed Sandstone Pale greenish gray		10			intercalate clayey seam in part									
POPHYRITE	grasty porphyritic Rock		11			calcite veins are spaced 20 <sup>cm</sup> to 50 <sup>cm</sup>									
			12			End of hole 12.00 <sup>m</sup>									
			13												
			14												
			15												
			16												
			17												
			18												
			19												
			20												

DRILLER _____	EXPLANATION	LOGGED BY _____	
COMMONED _____	CASING IN DRILL HOLE DURING DRILLING ■	DRAWN BY _____	
COMPLETED _____	WATER LEVEL IN DRILL HOLE ◀ (DATE)	CHECKED BY _____	
	THIN WALL SAMPLING ■	BY _____	
	PLACE TOKYO	SHEET _____ OF _____	
	DATE MAR 1965	DRAWING No. _____	





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

14

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBODIA

FEATURE RIGHT BANK

HOLE No. DH 6410 CO-ORDINATES E 612 km 220 N 1,392 km 95 R.L. GROUND 20.80

LOCATION NAVIGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R L CASING	DEPTH SIZE OF CORE	LOG	LIT. CORE REC. COVERAGE %	STRUCTURES, JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST. N VALUE								
								10	20	30	40	50	60			
SILTY CLAY	grayish brown					with plant roots										
	plasticity dry		1													
	under going lateri-sation		2													
				3			ferruginous nodules dia 0.5 <sup>cm</sup> ~ 10 <sup>cm</sup>								39 <sup>n</sup> 30 <sup>cm</sup>	
				4	58	85										
		brown		5												
SHALE Completely Weathered	dark brown		6			consists of many shale fragments.										
SHALE Highly Weathered	blackish gray		7													
SHALE OR SILTSTONE	blackish gray		8			brittled										
			9			brittled										
			10			End of hole 10.00m										
			11													
			12													
			13													
			14													
			15													
			16													
			17													
			18													
			19													

DRILLER _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING ! WATER LEVEL IN DRILL HOLE ◀ (DATE) THIN WALL SAMPLING !	LOGGED BY _____
COMMONED _____		DRAWN BY _____
COMPLETED _____		CHECKED BY _____
	PLACE <u>TOKYO</u> DATE <u>MAR 1965</u>	SHEET _____ OF _____
		DRAWING No. _____



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

16

**GEOLOGICAL LOG OF DRILL HOLE**

SAMBOR CANAL, CAMBOOIA  
 HOLE No. D.H 6412 CO-ORDINATES E 612 km 125 N 1392 km 685 R.L. GROUND 20.30  
 FEATURE RIGHT BANK  
 LOCATION NAVIGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

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%	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE							
								10	20	30	40	50	60		
CLAY	grayish black			[Hatched pattern]	90	organic soil									
	plastic dry	1													
	dark brown	2													
	decomposed shale	3	48					With shale fragments in upper							
SHALE highly weathered	brown	4		[Dashed pattern]		Consists of shale detritus. dia 1cm ~ 3cm.									
		5		[Dashed pattern]											
	brown	6		[Dashed pattern]											
		7				End of core									
		8													
		9													
		10													
		11													
		12													
		13													
		14													
		15													
		16													
		17													
		18													
		19													
		20													

DRILLER _____ COMMONED _____ COMPLETED _____	EXPLANATION CASING IN DRILL HOLE DURING DRILLING I WATER LEVEL IN DRILL HOLE ◀ (DATE) THIN WALL SAMPLING II	LOGGED BY _____
		DRAWN BY _____
	PLACE TOKYO DATE MAR 1965	SHEET 1 OF 2
		DRAWING No. _____

16

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK  
 HOLE No D.H. 6413 OO-ORDINATES E 611 Km 520 N 1,389 km 405 R.L. GROUND 20.50  
 LOCATION: NAVIGATION CHANNEL (A. LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZES	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT RE-CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE											
								10	20	30	40	50	60						
CLAY	Jayish brown																		
	becoming lateritised																		
SILTY SAND																			
	dark brown																		
SAND	fine, or silty																		
	brown																		
GRAVEL	gray																		
SANDSTONE																			
	weathered	bluish gray																	
	fresh in general	good core bluish gray																	

End of hole 20.00 m

DRILLER Y. S	EXPLANATION CASING IN DRILL HOLE DURING DRILLING WATER LEVEL IN DRILL HOLE ◀ (DATE) THIN WALL SAMPLING	LOGGED BY	
COMMONED 28.1.65		DRAWN BY	
COMPLETED 30.1.65		CHECKED BY	
	PLACE TOKYO	DATE MAR 1965	SHEET 1 OF 2
			DRAWING No.

HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE No A.H 6402

COORDINATES E 611 km 570 N 1,394 km 945

R.L GROUND 1900

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
	<i>top soil gray</i>				<i>with grass roots</i>
CLAY	<i>plastic dry strength with laterite nodules. brown</i>	0.5 1.0 1.5 2.0			<i>shrinkage cracks open 0.5 cm every 50 cm</i>
SILT	<i>half dry brown</i>	2.5 3.0			
CLAYEY SILT	<i>bearing calcareous nodules, dia max 40 mm wet dark brown</i>	3.5 4.0 4.5	 Water Level		

*End of hole 5.00<sup>m</sup> possible to auger deeper.*

HOLE MADE BY	JAPAN
COMMENCED	23 . 1 . 65
COMPLETED	23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HGLE No A.H. 6403 COORDINATES

E 611 KM 595 N 1,394 KM 815 RL GROUND 19,00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
CLAYEY SILT	TOP SOIL ORGANIC DRY	0.5			SHRINKAGE CRACKS OPEN 1 CM - EVERY 50 CM
	PLASTIC BEARING LATERETE NODULES, DIA MAX 0.5 CM	1.0			
SILTY CLAY	HALF WET BROWN	2.0			
	BROWN	3.0			
SILTY SAND	LEAN STIFF WITH CALCAREOUS NODULES, MAX DIA 30 m/m	3.5			NO WATER FOUND
	HALF WET DARK BROWN	4.0			
		4.5			
		5.0	END OF HOLE 5.00M		POSSIBLE TO AUGER DEEPER.

HOLE MADE BY JAPAN

COMMENCED 23. 1. 65

COMPLETED 23. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

20

HAZAMA-GUMI, LTD (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

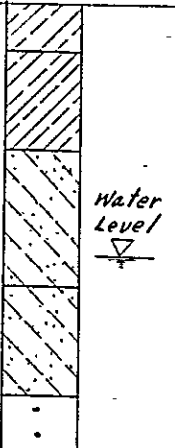
SAMBOR CANAL  
HOLE No. A.H 6404

CAMBODIA  
COORDINATES

FEATURE  
E 611 km 775 N 13 3 3 km 880 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	<i>Top soil dry, grey</i>				
	<i>half dry dark brown</i>	0.5			
SANDY CLAY	<i>gradually wet yellowish brown</i>	1.0			
	<i>decomposed sand- stone. bearing sand- stone fragments</i>	1.5 2.0 2.5			
SANDSTONE <i>weathered</i>	<i>brownish yellow</i>	3.0			

*End of hole 3.20" Stopped by rock.*

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

COMPLETED 23 . 1 . 65

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 RL 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				organic.
	with pebble half dry grayish brown	0.5			
	Wet. brown	1.0			no water found.

End of hole 1.20<sup>m</sup>

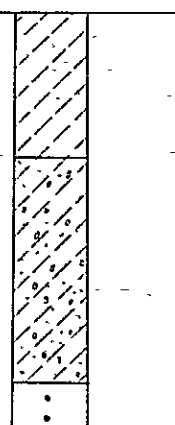
stopped by pebble.

HOLE MADE BY JAPAN  
 COMMENCED 23. 1. 65  
 COMPLETED 23. 1. 65



TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH 6405 COORDINATES E 612 km 35 N 1392 km B90 R.L GROUND 2000  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No	COMMENTS
SANDY CLAY	Top soil	0.5			Organic
	half wet brown	1.0			
	with Laterite nodules dia 40 m/m	1.5			
	grayish brown	2.5			
SANDSTONE Weathered	grayish brown	3.0			no water found

End of Rule 3.00m stopped by rock.

HOLE MADE BY JAPAN

COMMENCED 25 . 1 . 65

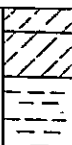
COMPLETED 25 . 1 . 65

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

23

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. A.H 6406 COORDINATES E 6.11 km 50 N 1.386 km 980 RL GROUND 24.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
CLAY	Top soil dry brown	0.5			ORGANIC
SHALE Weathered	with shale fragments grayish brown				no water found

End of hole 1.00m Stopped by rock

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

COMPLETED 23 . 1 . 65

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

24

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO AH6407 COORDINATES E 612 km 195 N 1390 km 625 RL GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No	COMMENTS
CLAY	dry grayish brown.	0.5			no water found
	half wet brown	1.0			
SANDSTONE Weathered	dry pale brown	1.5			
		2.0			

stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26. 1. 65

COMPLETED 26. 1. 65

HAZAMA-GUMI .LTD (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO A.H 6408 COORDINATES E611 km 615 N1.388 km 325 RLGROUND 20.00  
 LOCATION NAVIGATION CHANNEL ANGLE, FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY SAND	Top soil white				
SANDSTONE Weathered	Consists of feldspathic sand dry buff	0.5	• • •		no water found

End of hole 0.70 stopped by rock

HOLE MADE BY JAPAN  
 COMMENCED 26 . 1 . 65  
 COMPLETED 26 . 1 . 65

**TEST PIT AND AUGER HOLE LOG**

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO AH 6409 COORDINATES E 611 km 885 N 1.388 km 260 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
SILT	Top soil gray	0.0 - 0.5	[Hatched pattern]		
SANDY SILT	dry yellowish brown	0.5 - 1.5	[Hatched pattern]		
	Half wet gray or grayish yellow	1.5 - 3.0	[Hatched pattern]		
SILTY SAND	with grain dia 30 <sup>m</sup> / <sub>m</sub> yellowish brown	3.0 - 4.0	[Hatched pattern]		

End of hole 400<sup>m</sup> stopped by water

HOL MADE BY JAPAN  
 COMMENCED 26. 1. 65  
 COMPLETED 26. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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HAZAMA-GUMI, LTD. (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL  
HOLE NO. AH6410




CAMBODIA

FEATURE

COORDINATES E 612 km 265 N 1. 388 km 235 RL GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
<i>SILT</i>	<i>Top Soil</i>				<i>drilling by spiral auger</i> <i>no water found</i>
<i>SAND-STONE weathered.</i>	<i>with sandstone fragments dry buff</i>	0.5			

*End of hole 0.80m stopped by rock.*

HOLE MADE BY JAPAN

COMMENCED 26 | 65

COMPLETED 26 | 65




OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO A H 6411 COORDINATES E 612 km 90 N 1,388 km 230 R.L GROUND 20.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°





SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
CLAYEY SAND	Lean. dry buff	0.5			no water found
SANDSTONE <i>weathered</i>	grayish yellow				

End of hole 0.70m stopped by rock.

HOLE MADE BY JAPAN  
 COMMENCED 26 . 1 . 65  
 COMPLETED 26 . 1 . 65

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH 6412 COORDINATES E 609 km 945 N 1.386 km 840 R.L. GROUND 18.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
CLAY	Top soil dry				
	Lean	0.5			
SILT	half dry grayish brown	1.0			
	yellowish brown	1.5			
SILTY SAND	bearing laterite nodules dia 50 m/m	2.0			
	half dry yellowish brown	2.5			
			Water Level		

End of hole 3.00m Stopped by water.

HOLE MADE BY JAPAN

COMMENCED 26.1.65

COMPLETED 26.1.65



TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH 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	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
CLAY	<i>top soil</i>				<i>Organic.</i>
	<i>dry brown</i>	05			<i>many shrinkage crack.</i>
	<i>plastic with is grain half wet brown</i>	10 15 20 25			
	<i>Uniform character wet brown</i>	30 35 40 45 50			

*End of hole 5.00 stopped by water*

HOLE MADE BY JAPAN

COMMENCED 9 . 1 65

COMPLETED 9 . 1 . 65

HAZAMA-GUMI, L.T.D. (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. A.H. 6417 COORDINATES E 609<sup>KM</sup> 540 N 1.385<sup>KM</sup> 175 RL GROUND 18.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	top soil				Rice paddy
	half wet grayish brown				many shrinkage crack
	high plasticity with no grain				
	mottled yellow-brown				
	yellowish brown				
	half wet brown				no water found

End of hole 5.00m possible to auger deeper

HOLE MADE BY JAPAN  
 COMMENCED 7. 1. 65  
 COMPLETED 7. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HOLE No A.H 6418. COORDINATES E 609<sup>KM</sup> 610 N 1.385<sup>KM</sup> 370 RL GROUND 18.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	top soil organic	0.5			with some grass roots
	dry. brown	1.0			
	plasticity with no grain	1.5			
	half dry brown	2.5			
		3.0			no water found

End of hole 3.00<sup>m</sup>

possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 4 . 1 . 65

COMPLETED 4 . 1 . 65 .

HAZAMA-GUMI, L.T.D. (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL

CAMBODIA

FEATURE

HOLE No AH. 6419

COORDINATES

E 609KM 770 N 1.384KM 460

RL GROUND 19.00

LOCATION

NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
CLAY	Organic soil	0.0 - 0.5	[Hatched pattern]	[Hatched pattern]	Rice paddy
	Lean dry strength brown	0.5 - 1.0			
	becoming laterisation	1.0 - 1.5			
	half dry reddish brown	1.5 - 2.5			
	half wet brown	2.5 - 5.0			no water found

End of hole 5.00 possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 29.12.64

COMPLETED 29.12.64

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. A.H 6420 COORDINATES E 609km 645 N 1,384 km 220 R.L GROUND 19,00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	Lean, no stiff half wet brown	0.5 1.0			Houghed field forming Levee bank.
SILTY CLAY	Uniform with no material coarser than fine sand wet grayish brown	1.5 2.0 2.5 3.0 3.5			

End of hole 3.50 m Stopped by water

HOLE MADE BY JAPAN  
 COMMENCED 27 . 12 . 64  
 COMPLETED 27 . 12 . 64

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE No. AH 6421 COORDINATES E 609km 870 N 1,384 km 225 R.L GROUND 19.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
CLAY	<i>Organic soil</i>	0.5	[Hatched area representing soil profile]		Rice paddy
	<i>plastic high dry strength</i>	1.0			
	<i>brown</i>	1.5			
	<i>half dry brown</i>	2.0			
	<i>Uniform character</i>	2.5			
		3.0			
		3.5			
		4.0			
	<i>half wet</i>	4.5			
	<i>grayish brown</i>				

Water Level

End of hole 5.00m possible to auger deeper

HOLE MADE BY JAPAN  
 COMMENCED 2. 1. 64  
 COMPLETED 2. 1. 64

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA

FEATURE

HOLE No. A.H. 6422

COORDINATES E 609 km 345 N 1.392 km 615

R.L GROUND 20.00

LOCATION NAVIGATION CHANNEL

ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
SILTY CLAY	top soil				
GRAVEL	with laterite nodules. dia. max 40 mm brown	0.5			
SILTY CLAY	dry yellowish white	1.0			
SANDSTONE weathered	dry. yellowish gray	2.0			

used spiral auger  
no water found

End of hole 2.5m

stopped by rock

HOLE MADE BY JAPAN

COMMENCED 22. 1. 65

COMPLETED 22. 1. 65

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

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TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE  
 HOLE NO. AH 6423 COORDINATES E609 km 75 N1,390 km 795 RL GROUND 20.00  
 LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAM- PLE No.	COMMENTS
SILTY CLAY	dry brown	0.5	[Hatched pattern]		Recent Levee bank
		1.0			
	With no Grain Uniform charac- ter.	1.5 2.0 2.5 3.0	[Hatched pattern]		
	reddish brown	3.5 4.0 4.5			
		5.0			

Water Level  
▽

End of hole 5.00<sup>m</sup> stopped by water.

HOLE MADE BY JAPAN  
 COMMENCED 22. 1. 65  
 COMPLETED 22. 1. 65



