300

SHEET NO.125

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 ϕ 73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		Medium to fine grained. Bearing few pebbles.	0.5, 1.0, 1.5, 2.0, 2.5			59	
		Small ellipse shaped pebble (2cmx3cm dia.), Well rounded.	3.0, 3.5				Base of pit Hole 30m
		Continued	4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

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 ϕ 73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION PERMEABILITY	SAMPLE No	COMMENTS
		Medium to Fine grained. Bearing few pebbles.	5.5			
SAND		Coarse grained, Bearing some to little pebbles.	7.5		59	
		Base of Hole 10.0m	10.0			

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

LOGGED BY H. Isetomi
DRAWN BY H. Isetomi
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 ø 73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No	COMMENTS
SAND		Fine grained	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			60	Base of pit Hole 3.6m
		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.

SHEET NO.128

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 ϕ 73mm

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No	COMMENTS
		Bearing dust of vegitation	5.5				
			6.0				
		Grading; Lower layer somewhat coarser than upper.	6.5				
			7.0				
SAND		Bearing small size pebbles 1cm dia	7.5			60	
			8.0				
			8.5				
			9.0				
			9.5				
			10.0				
		Base of Hole 10.0m					

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

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

SHEET NO. 129

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

EXCAVATION NUMBER
L P - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

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

DETAILS OF LOCALITY DETAILS OF LOCALITY① 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	PERMEABILITY	SAMPLE No.	COMMENTS
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			LP-1	with lateritic nodules. 0.5 cm dia. shrinkage cracked damp in places
SANDSTONE		Completely weathered yellow to yellowish brown	2.0 / 2.5				massive, damp.
			3.0	base of pit, 2.7 m.			
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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

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

305

SHEET NO. 130

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

EXCAVATION NUMBER
L P - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project. CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 540 N 1,396 Km 820 R L GROUND 21 m 350

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
CLAYEY SILT	C L	gray, clayey silt Containing few angular sand stone(30 cm dia.)	0.5			Containing plant roots
SILTY CLAY		reddish yellow, medium plasticity.	1.0			shrinkage cracked. moistured in place.
SANDSTONE		sedentory soil with weathered sandstone Completely decomposed due to weathering.	1.5			massive state
		completely weathered yellow.				water level 20, Nov, 63
			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 JAPAN.
COMMENCED 13, Nov, '63
COMPLETED 13, Nov, '63

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

SHEET NO.131

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT	ML	pale red, silt, fine					with grass roots.
SILTY CLAY	CL	pale red, silty clay fine.	0.5				
		yellow, silty clay, with some lateritic nodules 0.5 cm dia and calc nodules 0.5cm dia	1.0				
		yellow silty clay low to medium plastic, fine, hard and moist in place. with moderately weathered sandstones.	1.5 2.0 2.5 3.0			LP - 3	damp.
SANDSTONE	GW	medium grained. highly weathered. yellow.	3.5 4.0				massive state damp.
			4.5	base of pit, 4.4 m.			
			5.0 5.5 6.0 6.5				

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

LOGGED BY N.Y
DRAWN BY H.S.
CHECKED BY M.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 m600
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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND	ML	grayish brown, silty sand, fine.					
LATERITE	SC	gray	0.5				laterite nodules (0.5~1.0cm dia.)
SILTY CLAY	CL	yellowish gray silty clay, hard and dry in place	1.0				calc nodules (5~10cm long)
SHALE		completely weathered Sheeting is spaced 0.5 to 1.5cm. largest debris to 5cm. in sige. Partially clayey due to strong weathering. with soft limy materials	1.5 2.0 2.5 3.0				Bedding; strike N 25° E, dip 65° NW
			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 M. 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 614 Km 250 N 1,398Km 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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		grayish brown.				
LATERITE	SC	reddish brown.	0.5		LP - 5	lateritic nodules 0.5 ~ 10 cm dia.
SHALE and SANDSTONE	G C	Strongly weathered and stainted to yellow. largest size to 5cm in angular.	1.0 1.5			Sandstone is fine grained and jointed. Bedding ; strike N 15° E, dip 50° N.W.
				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 JAPAN
COMMENCED 14, Nov, '63
COMPLETED 15, Nov, '63

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

SEET NO.134

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	PERMEABILITY	SAMPLE No.	COMMENTS
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 – 1.0				dry.
CLAYEY SILT	CL	yellowish brown, with highly weathered shale fragments.	1.5 – 2.0				
SHALE		Clayey due to highly degreed weathering.	2.5				closely jointed
			2.8	base of pit, 2.8 m.			
			3.0 – 6.5				

HOLE MADE BY JAPAN
COMMENCED 16, Nov, '63
COMPLETED 19, 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 - 7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 615 Km 500 N 1,398 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND	ML	grayish brown, fine,					with roots.
SILTY CLAY	CL	yellow,	0.5				
LATERITE	SC	reddish brown, dia. to 0.5cm, or so.	1.0				dry.
SHALE	CL	yellow, completely weathered.	1.5			LP - 7	Bedding; strike N 40° E, dip 75° NW Sheeting is spaced 1 to 2cm.
	GC	Partially clayey due to high degreed. weathering. Bearing limy nodules 1.5 to 3cm. largest size of rock fragment to 5cm.	2.0				
			2.5				
			3.0	base of pit, 2.8 m.			
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY JAPAN
COMMENCED 16, Nov, '63
COMPLETED 19, 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 - 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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY SAND	ML	grayish black.					with grass roots.
LATERITE	SC	reddish brown, including laterite nodule 2.5cm dia.	0.5 – 1.0				almost dry
SILTY CLAY	CL	reddish yellow, completely weathered. shale fragments in silty clay. grey to dark grey.	1.5 – 2.0 – 2.5				with few plant roots. damp.
		dark greyish brown, with soft limy materials in part.	3.0 – 3.5	base of pit, 3.5 m			
			4.0 – 4.5 – 5.0 – 5.5 – 6.0 – 6.5				

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

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

SHEET NO. 137

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

EXCAVATION NUMBER LP - 9

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 1.0m x1.5 m

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	ML	gray, silty sand fine.					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.)	1.5 2.0			LP-9	damp.
		Bearing plenty of limy powder - like materials and nodules in greyish yellow matrix.	2.5 3.0				
				base of pit, 3.2 m			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

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

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

313

SHEET NO.138

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 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	PERMEABILITY	SAMPLE No.	COMMENTS
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. with some weathered limy nodules.	2.0 2.5				damp. hardly jointed. Bedding; strike N - S, dip 70°E. ?
			3.0	base of pit, 2.7 m.			
			3.5 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.

SHEET NO. 139

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	PERMEABILITY	SAMPLE No.	COMMENTS
LATERITE	SC	grayish & dark grayish laterite zone.					many nodules (0.5 cm dia.).
CLAY	CL	pale yellow. with weathered shale fragments.	0.5			LP - 11	moistured to dried.
SHALE		completely weathered, with some quartz veinlets 1 to 2cm thick on bedding planes.	1.0 1.5				compact and dry. Bedding planes are spaced 4 to 6 cm in strike of N 65°W and dip of 65° NE.
			2.0	base of pit, 1.8m.			
			2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

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

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

315

SHEET NO. 140

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	PERMEABILITY	SAMPLE No	COMMENTS
CLAY		Bearing plenty of weathered and ferruginous shale fragments, yellow.	0.5				with plant roots.
SHALE and SANOSTONE		Highly weathered and clayey due to weathering yellow to pale grey.	1.0				with few and fine plant roots, damp, sheeted in part. Bedding; strike N 20° W, dip 60° NE
			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 JAPAN
COMMENCED 22, NOV, '63
COMPLETED 23, NOV, '63

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

316

SHEET NO.141

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

EXCAVATION NUMBER
LP - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES: E 617 Km 750 N1,400 Km 460 R.L. GROUND 39 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	PERMEABILITY	SAMPLE No	COMMENTS
LATERITE	SC	dark grayish brown. laterite zone.	0.5			LP-13	much roots. Including nodules (0.5cm dia).
		red brown laterite zone. Clayey due to complete weathering					many nodules (0.5cm dia). dried
SHALE		yellow.	1.0				dried. Sheeted in part, compact.
				base of pit, 1.1 m.			Bedding; strike N 20°E, dip 80° SE.
			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 JAPAN
COMMENCED 22, NOV, '63
COMPLETED 23, 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 - 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	PERMEABILITY	SAMPLE No.	COMMENTS
LATERITE	SC	dark grayish brown, reddish brown.	0				many nodules, (0.5 cm dia)
SHALE		completely weathered, clayey in part, yellow.	05				partially sheeted compact. Bedding; strike N 35° E, dip 80° SE.
			10				
			15	base of pit, 1.3 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.

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

EXCAVATION NUMBER L P - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
LATERITE	SC	grayish yellow laterite.					many nodules, (0.5 ~ 2 cm dia)
		yellowish laterite.	0.5				
CLAY	CH	yellowish fat clay.	1.0			LP - 15	
SHALE		Highly weathered with clay films on bedding planes yellow.	1.5				
			2.0				jointed, compact.
			2.5	base of pit. 2.3 m			Bedding; strike N 10° E, dip 70° SE.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY JAPAN
COMMENCED 25, NOV, '63
COMPLETED 28, NOV, '63

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

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

EXCAVATION NUMBER LP - 16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		dark gray silt.					top soil.
SHALE		Clayey due to completely decomposition for weathering. greyish yellow.	0.5				with fine plant roots compact.
		clayey in part Highly weathered	1.0				Bedding planes are spaced 1 5 to 4 cm in strike of N 30°E and dip of 70° SE.
				base of pit, 1 2 m.			
			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 JAPAN
COMMENCED 25, NOV, '63
COMPLETED 26, NOV, '63

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

340

SHEET NO.145

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

EXCAVATION NUMBER LP - 17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 620 Km 350 N 1,401 Km 090 R.L GROUND 44 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	PERMEABILITY	SAMPLE No.	COMMENTS
GRAVELLY SILT	GC	grayish black silt.					Including gravels (2.5 cm dia.)
		pale brown sandy silt. somewhat weathered	0.5				Including gravels. (5cm dia.)
CONGLOMERATE		pebbles, cobbles and boulders in a yellow clay matrix. largest boulder, 25cm in dia.	1.0			LP - 17	Pebbles and cobbles are subangular to subround and sort of them are quartz slate, shale sandstone and quartzosed rock.
			1.5	base of pit, 1.4m.			boulder (40 cm dia) on base of pit.
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY JAPAN
COMMENCED 26, NOV, '63
COMPLETED 28, NOV, '63

LOGGED BY N.Y.
DRAWN BY H.S
CHECKED BY A.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 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	PERMEABILITY	SAMPLE No.	COMMENTS
LATERITE	SC	grayish brown.					many roots.
		red brown.	0.5				nodules. (0.5cm dia.)
CLAY	CH	yellowish gray clay.	1.0				
SILT	CL	with limy nodules 1 to 15 cm in dia. cohesive. yellow.					
		Bearing completely weathered debris and fragments of shale.	1.5				Including gravels. (3cm dia)
			2.0	base of pit, 2.0 m.			hard.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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

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

322

SHEET NO. 147

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 1,401 Km 960 — R.L. GROUND: 43 m00

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT	ML	grayish brown silt.					
LATERITE	SC	red brown laterite, with plenty of laterite nodules to 0.5 cm in dia, reddish - brown.	0.5				nodules. (1.0 cm dia.) damp.
CLAY		Mottled dark grey and yellow. Bearing white to light pink limy nodules of round to subround or irregular shape,	1.0			LR - 19	Some limy nodules are to 5cm. in length.
			1.5				
			2.0	base of pit, 2 m 0			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY JAPAN
COMMENCED 28, NOV, '63
COMPLETED 29, 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 - 25

TEST PIT AND AUGER HOLE LOG

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 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		fine grained, pale greyish yellow					plant roots.
SILTY SAND		Bearing completely decomposed sandstone fragments. light yellow.	0.5				few laterite nodules, 1 cm. Scattering unsolidified laterite patches, 1.5 cm.
SANDSTONE		Highly weathehered & decomposed. Bearing shaly patches. pale yellow.	1.0				massive state.
			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 28. 11. '63.
COMPLETED 30. 11. '63.

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

324

SHEET NO. 149

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 & L02 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	PERMEABILITY	SAMPLE No.	COMMENTS
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.	1.0 – 1.5				massive state
				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 28, 11, '63
COMPLETED 30, 11, '63

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

SHEET NO. 150

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 1,391 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	PERMEABILITY	SAMPLE No.	COMMENTS
CLAYEY SILT		unsolidified yellow lateritic nodules in dark brown matrix.	0.5				plant roots organic smell
SHALE		Highly weathered & jointed, with closely jointed clayey parts. yellow - dull yellow	1.0				Bedding spacing : 2-4 cm, strike N 15° E, dip 60° SE.
			1.5	Base of pit, 1.2 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 28. Nov., '63
COMPLETED 29. Nov., '63

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

SHEET NO. 51

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

EXCAVATION NUMBER LP - 28

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 613 Km 610 N 1 391 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	PERMEABILITY	SAMPLE No	COMMENTS
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.
			1.0	Base of pit, 0.9 m.			
			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 5, Dec., '63
COMPLETED 5, 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 LP - 29

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 614 Km 290 N 1390 Km 670 R.L. GROUND 36 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 / PERMEABILITY	SAMPLE No.	COMMENTS
CLAYEY SILT		no coarse grains. dark brown.				plant roots organic smell
		laterite nodules, to 0.5 cm, in plenty.	0.5			slightly damp fine plant roots
SHALE		completely weathered debris cemented with clay	1.0			
		Highly weathered, and clayey in part. Bearing limy nodules derived from calcite veins in some. slightly damp. yellow - dark brown	1.5		36	
			2.0			sheeted and jointed Bedding ; strike N 5° E, dip 70° SE.
			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 10, Dec, '63
COMPLETED 14, Dec., '63

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

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

EXCAVATION NUMBER LP - 30

TEST PIT AND AUGER HOLE LOG

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 1.5m

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		laterite nodules, 0.5cm reddish brown. weak laterization. weathered shale fragment in some. cohesive. yellow	0.5				plant roots.
SHALE		Clayey due to high degree of weathering. Remaining some sound fragments or layers. yellow.	1.0				Bedding spacing, 1 - 2cm. Sheeting in general. strike N 5° E, dip 70° SE.
			1.5				
			2.0	Base of pit, 1.8m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.
COMMENCED 7, Dec., '63
COMPLETED 9, Dec., '63

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

329

SHEET NO 154

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

EXCAVATION NUMBER LP - 31

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

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

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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY CLAY		dark brown. laterite nodules, 0.5 cm, in plenty and small quantity of shale debris and round quartz pebbles, 1 cm. yellowish brown.	0.5				plant roots; fine plant roots in a little.
SHALE		Completely weathered. Some of shale remain original feature and others became to clay cohesive in clayey part. yellow.	1.0				some limy nodules in part.
			1.5				
			2.0	Base of pit, 1.9 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 T.H.

338

SHEET NO. 155

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 1389Km 56 R.L. GROUND 39 m 7

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	PERMEA BILITY	SAMPLE No.	COMMENTS
CLAY		laterite nodules to 0.3cm, in a little. Bearing few coarse grains. yellow.					plant roots.
		completely weathered shale debris and fragments cemented with clay. yellow.	0.5				completely weathered shale.
SHALE		highly weathered. bedding with clay film. decomposed limy veins in part, yellow.	1.0				Sheeted spacing 0.5 - 1.5cm, strike N25°E, dip 75° SE. Closely sheeted or foliated parts show clayey.
			1.5				
			2.0	Base of pit, 1.8m.			
			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 T. H

331

SHEET NO. 156

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	PERMEABILITY	SAMPLE No.	COMMENTS
CLAYEY SILT		organic smell, dark brown.					plant roots
CLAY		laterite nodules, 0 5cm in plenty with shale fragments.					cohesive. weathered fragments
SHALE		Highly weathered and decomposed to clay in part. clayey. cohesive. yellowish brown	0.5 1.0 1.5 2.0			37	slightly damp.
				Base of pit, 22cm.			Sheeting spacing, 1 - 15cm. strike N 70° E, dip 30° SE. 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 12, Dec., '63
COMPLETED 15, Dec., '63.

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

332

SHEET NO. 157

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

EXCAVATION NUMBER LP - 34

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 615 km 83 N 1389Km 01 R.L. GROUND 35 m 8

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY CLAY		organic smell. dark brown					plant roots.
CLAY		laterite nodules to 1cm and completely weathered debis or fragments of shale and siltstone.. light brown.	0.5				
SHALE		Highly weathered and clayey in part. Some parts remain original feature. yellow to yellowish grey	1.0 1.5 2.0				damp.
				Base of pit, 2.1 m.			Sheeted and foliated, in part. Bedding; strike N 80° W, dip 40° SW, 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 15. Dec., '63
COMPLETED 17. Dec., '63

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

333

SHEET NO. 158

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

EXCAVATION NUMBER L.P. - 35

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 616 Km 77 N 1388 Km 73 R.L GROUND 38 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	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				
			1.0				few plant roots
		with completely weathered shale fragments & yellow spots in grey matrix. cohesive. damp.	1.5				
SHALE		Weathered and decomposed in part. damp. yellow - pale grey.	2.0				Bedding; strike N 60° W, dip 50° SW.
			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 16. Dec., '63
COMPLETED 18 Dec., '63

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

SHEET NO.159

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

EXCAVATION NUMBER LP - 36

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		laterite nodules 0.5cm. and few debris of shale. brown					plant roots. organic smell.
CLAY		no coarse grains cohesive, yellow.	0.5				
SHALE		completely weathered. Some of layer decomposed to clay, yellow.	1.0			38	
		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° S E.
			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. Dec., '63
COMPLETED 18. 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 - 37

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 617 Km 71 N 1388 Km 20 R.L. GROUND 39 m 6

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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		laterite nodules, 0.5cm & weathered debris of sand-stone and dioritic rock					plant roots.
CLAY		Scattering black laterite nodules in some quantity, and few debris of sand stone. cohesive. yellow.	0.5				weak lateritization.
DIORITE ?		Completely weathered, much white spots in greyish yellow matrix.	1.0				shrinkage crack to 1m deep
SHALE & SANDSTONE		Completely weathered. greyish yellow.					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 HAZAMA. Co.
COMMENCED 18. Dec., '63
COMPLETED 19. Dec., '63

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

336

SHEET NO. 161

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 10m x 1.5m

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		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.	1.0				
DIORITE		Completely decomposed due to extreme weathering. weathered dioritic cobbles or boulders of subround to sub-angular in sedentary soily matrix.	1.5 2.0 2.5			39	massive. Matrix shows assemblage of small rock particles.
			3.0	Base of pit, 2.9m.			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

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

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

337

SHEET NO. 162

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

EXCAVATION NUMBER LP - 39

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine to medum 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			40	
		laterite nodules to lam.	1.5				
		weak lateriti zation. Spotted black unsolidi - fied 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 3.0 3.5				massive. sandy silt in powder. damp.
				Base of pit, 3.6 m.			
			4.0 4.5 5.0 5.5 6.0 6.5				

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

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

338

SHEET NO. 163

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

EXCAVATION NUMBER
L.P - 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. light yellow - yellow. laterite nodules to 0.5cm and some rounded quartz pebbes, 1-3 cm.	0.5				plant roots
							fine plant roots.
CLAY		few coarse grains. cohesive. orange to brown.	1.0 1.5				
SANDSTONE		Completely decomposed due to weathering in situ. with some hard part in sandy matrix. fine grained. purple.	2.0 2.5				massive state. silty clay in powder.
			3.0	Base of pit, 2.8m.			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY HAZAMA Co.
COMMENCED 20. Dec. '63
COMPLETED 24. Dec. '63

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

339

SHEET NO. 164

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

EXCAVATION NUMBER LP - 41

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		fine grained. greyish yellow - yellow					plant roots.
CLAY		rounded quartz pebbles 0.2 - 0.5cm and few laterite nodules. Completely decomposed sandstone boulder. cohesive. purple in yellowish brown	0.5 1.0				
SANDSTONE		fine grained sand-stone with few decomposed calcite veinlets. Remains some hard part. purple	1.5 2.0				massive. Able to dig by hand hoe. silty sand with some clay in powder. slightly damp.
			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 T. K.

SHEET NO. 165

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

EXCAVATION NUMBER LP - 42

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained. pale grayish brown.	0.5				plant roots.
		few coarse materials thin lens shaped weak laterized 3 layers from 80cm to 1m20 deep light yellow. laterite nodules, 0.5cm & round quarty pebbles 1-3cm.	1.0				sand gram; fine in general. weak laterization. thin lens.
SANDSTONE		fine grained. Completely decomposed due to weathering, in situ coffee color.	1.5			U1	massive. limy loose materials in a little. silty sand in powder. slightly damp.
			2.0	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 25.Dec., '63
COMPLETED 26.Dec., '63

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

SHEET NO. 166

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		fine grained pale grey					plant roots
		laterite nodules to 0.3cm					
		unsolidified limy nodules to 1cm Spotting orange yellow in white matrix	0.5				weak lateritization
CLAY		laterite nodules to 1cm, in plenty reddish brown	1.0			42	
		with white limy nodules, 1cm, in a little. cohesive damp. Spotting yellow in grey	1.5 2.0 2.5 3.0				
			3.5	Base of pit, 3.2m.			
			4.0 4.5 5.0 5.5 6.0 6.5				

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

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

SHEET NO.167

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 05

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 PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. light pink.				
SILT		low cohesive. yellow	0.5			plant roots.
SILTY CAY		few unsolidified black laterite nodules & patches yellow.				
		unsolidified black laterite nodules to 0.5cm & few pebbls.	1.0			pebbles round to 3 cm quartz.
		cohesive. yellow.				
SILTY SAND		Completely decomposed purple sandstone fragments & boulders in yellow matrix. purple.	1.5			
			2.0			sand ; medium grained.
				Base of pit, 2.2m		
			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 29. Nov., '63

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

323

SHEET NO.168

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
CLAY		organic smell, grey to yellow,				plant roots.
		no coarse grains, cohesive, brown.	0.5			
		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 T. H.

SHEET NO. 169

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 621 Km 89 N 1385 Km R.L. GROUND 47 m 65

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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY CLAY		organic smell, dark brown,					plant roots
CLAY		wheathered, red & flat shale fragments in plenty.	0.5				
SHALE		Completely weathered and clayey in part, damp. Bedding & joint planes are yellow. pale grey.	1.0			43	Bedding; strike N 50°E. dip 60° SE.
			1.5	Base of pit, 1.4 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 26, Nov., '63
COMPLETED 28, Nov., '63

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

365

SHEET NO. 170

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 622 Km 72 N 1386 Km 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	PERMEA BILITY	SAMPLE No	COMMENTS
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 limy nodules, 2 cm & completely decomposed debris of fine grained sandstone & shale. damp, yellow.	1.5			44	
SHALE & SANDSTONE		highly weathered. sandstone, medium grained. clayey in part. damp, yellow to grey.	2.0				shale; sheeted. Bedding, strike E - W, dip 75°S,
			2.5	Base of pit, 2 7 m.			
			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 H. S.
DRAWN BY H. S.
CHECKED BY T. H.

366

SHEET NO. 171

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 Km83 R.L. GROUND 45 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY CLAY		plenty of laterite nodules to 12cm					plant roots.
CLAY		Spotting reddish brown in white matrix with completely weathered sandstone fragments. cohesive. damp. yellow	0.5				
SANDSTONE or SILTSTONE		highly weathered very fine grained clayey in part.. yellow.	1.0				slightly damp few fine plant roots
			1.5				Bedding ; strike N 60°E. dip 90° .
			2.0	Base of pit, 1.9m.			
			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.

SHEET NO.172

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 623 Km 75 N 1386 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 / PERMEA BILITY	SAMPLE No	COMMENTS
SILTY CLAY		weak lateritization. pale grey.				plant roots.
CLAY		flat ferruginous shale fragments in white matrix.	0.5			few plant roots
		cohesive. white - orange.	1.0			
SHALE		Completely weathered and partially clayey due to decomposition yellow to pale gvey.	1.5			sheated, spacing of 0.5 - 1cm. Bedding; strike N 30°E, dip 70°SE,
			2.0	Base of pit, 1.8m.		
			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 K. S.
DRAWN BY H. S.
CHECKED BY T. K.

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

EXCAVATION NUMBER L P - 5 0

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	PERMEA BILITY	SAMPLE No.	COMMENTS
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 coarted with lime.
			2.0	Base of pit, 1.8 m.	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 K. S.
DRAWN BY H. S.
CHECKED BY T. H.

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

EXCAVATION NUMBER RP – 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 (Ⓒ' 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		SAND grains are very fine. yellow.	0.5				with much plant roots.
SILTY CLAY		very poor laterit zation. with no coarse grains. bluish yellow. with well rounded QUARTZ pebbles, dia. 1 cm.	1.0 1.5 2.0 2.5				with plant roots.
SANDSTONE		Highly weathered. yellow.	3.0 3.5				◀ WATER LEVEL. 2.8m.
			4.0	Base of pit, 3.9 m			
			4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY HAZAMA Co.
COMMENCED 4, 11, '63
COMPLETED 9, 11, '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 - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 615 N 1,392 Km 845 R.L. GROUND 23 m 89

DETAILS OF LOCALITY CREST OF SPILLWAY (Ⓒ 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	PERMEABILITY	SAMPLE No.	COMMENTS
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.
			1.0				shrinkage cracks reach to 1.5m deep.
SILTY SAND		greenish yellow.	1.5			1	
		with white limy patches.	2.0				
			2.5				
SANDSTONE		Completely decomposed, fine grained.	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. K.

SHEET NO. 176

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 665 R.L. GROUND 19 m 91

DETAILS OF LOCALITY CREST OF SPILLWAY (℄ 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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY SAND		grey.					
		greyish yellow.	0.5				with plant roots.
SILTY CLAY		greyish yellow.	1.0				shrinkage cracks reach to 1m deep.
LATERITE nodules layer.		Laterite layer is cemented with pale grey CLAY.	1.5				
			2.0	Base of pit, 2.0m			◀ WATER LEVEL, 1.7m 2, Dec., '63.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			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.

352

SHEET NO 177

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 (Ⓒ 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	PERMEABILITY	SAMPLE No	COMMENTS
SAND.		pink. fine grained. yellow.	0.5				with grass roots.
SILTY SAND		with laterite nodules.	1.0				
SILTY CLAY		grey clay with yellow silt. Bearing limy materials.	1.5 – 3.0			2	
		Bearing few limy nodules, dia. 2 to 3cm.	3.5 – 5.0				
		Base of pit, 5.0 m.	5.0				

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

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

353

SHEET NO. 178

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 (Ⓒ 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. grey.	0.5				with plant roots.
SILTY SAND		pale yellow SAND with reddish brown patches of weak laterization.	1.0				shrinkage cracks reach to 1.2m deep.
		yellow SILTY SAND with white limy patches.	1.5				
			2.0			3	
			2.5				
SANDSTONE		Completely weathered. medium grained. yellow to pale yellowish grey.	3.0				
			3.5				
			4.0				
			4.5				
			5.0	Base of pit, 4.8 m			
			5.5				
			6.0				
			6.5				

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

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY T. 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. grey.					organic smell
SILT		with poor lateritic nodules. yellow.	0.5				with plant roots
SILTY CLAY		Containing completely weathered fragments of sandstone. yellow					with much lateritic nodules (dia. 0.5-0.7cm)
SILT			1.0				
interbedded SANDSTONE & SHALE		shale rich facies, weathered. yellow.		Base of pit, 12m.			Bedding, strike N18°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				

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

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

SHEET NO 180

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

EXCAVATION NUMBER RP-7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 (Ⓒ 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	PERMEABILITY	SAMPLE No.	COMMENTS
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	Base of pit, 2.0m.			
			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, 11, '63
COMPLETED 11, 12, '63

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

356

SHEET NO. 181

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 (Ⓒ LINE) TYPE OF EXCAVATION 1.0 m × 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		Dappled reddish brown spots fine grained. pale yellow.	0.5				with plant roots.
SILT.		with laterite nodules. yellow.	1.0				
CLAYEY SILT		Dappled white clayey spots.	1.5 2.0				
SILTY SAND		with shaly fragments in some-little amount. pale yellow to yellow.	2.5 3.0 3.5				
		with yellow SANDSTONE boulder, dia. 50cm, of subrounded shape.	4.0				
			4.5	Base of pit, 4.5m			
			5.0 5.5 6.0 6.5				

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

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

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 (Ⓒ LINE) TYPE OF EXCAVATION 1.0 m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. grey. yellow.					with plant roots.
		pale yellow.	05				Bearing laterite nodules, dia. to 1cm.
SILTY CLAY		with white limy spots and patches.	10				Shrinkage cracks reached to 2m deep.
		yellow.	15				
			20				
			25				
			30				
			35				
interbedding SANDSTONE and SHALE.		completely weathered.	40				
			45	Base of pit, 4.6m			
			50				
			55				
			60				
			65				

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

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY T. K.

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 1,392 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		grey. very fine grained. pale yellow.	0.5				plant roots.
SILT		reddish-brown spots in pale grey matrix. very poor lateritization.	1.0				laterite nodules, 05cm.
SILTY		with no coarse grains, damp. Mottled yellowish brown and white.	1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				
			5.0	Base of pit, 5.0 m.			

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

LOGGED BY K. S.
DRAWN BY H. S.
CHECKED BY T. 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		no coarse gran. pale yellow	0.5				plant roots.
SILTY CLAY		brown spots in pale purple matrix	1.0				
		pebbles ; round or sub - round, dia 2 - 4 cm					Most of pebbles are quartz
CLAY		cohesive. pale yellow - yellow.	1.5 2.0 2.5				
SHALE		weathered and soft. Able to dig by hand hoe. yellow.	3.0 3.5 4.0				
			4.5	Base of pit, 4.4 m.			
			5.0 5.5 6.0 6.5				

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

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

360

SHEET NO. 185

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

EXCAVATION NUMBER RP - 12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES: E 608 Km 385 N 1,391 Km 845 R.L. GROUND 23 m6

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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		greyish brown, very fine grained yellow laterite nodules, (dia 0.5cm), yellowish brown	0.5				plant roots.
CLAY		Mottled white and yellowish brown, due to decomposition of limy materials with weathered shale fragments, yellow.	1.0 1.5			4	
SHALE		Highly weathered. Able to dig by hand hoe, yellow	2.0 2.5				Bedding spacing; 3-5cm. strke, N20°E dip 80° SE.
			3.0	Base of pit, 2.9m.			
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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

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

SHEET NO. 186

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 1,391 Km 620 R.L. GROUND 23 m 30

DETAILS OF LOCALITY TRAINING WALL 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	PERMEABILITY	SAMPLE No	COMMENTS
SILT		light greyish brown, light yellow.	0.5				plant roots.
CLAY		lateritized, reddish brown, with no coarse material except few white limy nodules, (dia. 1 - 2.5 cm), yellow.	1.0			5	lateritic nodules, (dia. 0.3 - 0.5 cm). Poorly lateritized.
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 (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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY CLAY		grey. with plant roots.	0.5				
CLAY.		dark brown spots in deep brown matrix. moderate cohesion. no coarse grains. with few plant roots.	1.0			6	damp.
			1.5	Base of pit, 1.5m.			water level, 1.4 m 20 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 1, Dec., 63
COMPLETED 2, Dec., 63

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

SHEET NO. 188

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

EXCAVATION NUMBER RP - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 '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 PERMEABILITY	SAMPLE No	COMMENTS
SILT		with fine grained sand, pale brown lateritic nodules (dia 05 cm) and well round quartz pebbles (dia 2 - 3 cm).	0.5			plant roots.
CLAY		lateritic nodules, soft, black, (dia 0.5cm) high cohesion, pale grey yellow.	1.0 1.5 2.0			
SILT		with some debris of weathered sand. - stone. yellow	2.5			
			3.0	Base of pit, 2.8 m		
			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.

SHEET NO. 189

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 1392 Km 470 R.L. GROUND 24 m 45

DETAILS OF LOCALITY FLOODWAY OF SPILLWAY C.L. 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 PERMEABILITY	SAMPLE No.	COMMENTS
SILT		clayey, graded gravel (dia 2-4 cm) on the bottom of lateritic layer. pale yellow - grey.	0.5			plant roots. with white limy small spots.
			1.0			lateritic nodules. (dia 0.6cm or so).
CLAY		limy spots, nodules (dia. 2-3cm) and few black soft lateritized nodules (dia 0.7 cm). high cohesion. grey spots in brown matrix yellow.	1.5			few small round or flat quartz pebbles, (dia 1-2cm).
			2.0			Containing shale small fragments & completely weathered sandstone boulder.
			2.5			rather sandy than upper layer.
			3.0			
				Base of pit, 3.1 m		
			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 14-8.

SHEET NO. 90

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

EXCAVATION NUMBER RP - 17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.
FEATURE Right Bank
CO-ORDINATES : E 608 Km 800 N 1,392 Km 368
R.L. GROUND 23 m 04
DETAILS OF LOCALITY FLOODWAY OF SPILLWAY ℄ 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained, small brown spots (dia. 1-2cm) in grey matrix.	0.5				plant roots.
			1.0				few fine plant roots. laterritic nodules, (dia. 0.3-0.4 cm).
CLAY		high cohesion. white and yellow spots in grey matrix.	1.5				limy nodules (dia. 3-5 cm) and few well rounded quartz pebbles, (dia. 3-4 cm). damp.
			2.0				
			2.5				
SILTY CLAY		contains some sand. yellow.	3.0				with weathered debris of sandstone (dia. 10-20 cm). damp.
			3.5	Base of pit, 3.2 m			
			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 K. S.
DRAWN BY K. S.
CHECKED BY K. 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 1,391 Km 995
R.L. GROUND 23 m92
DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY C/L 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		with laterite nodules in plenty. pale yellow.	0.5				plant roots. laterite nodule, dia. 0.4 - 0.6 cm.
CLAY		high cohesion. red spots in yellow matrix.	1.0				
SHALE		Completely weathered and clayey in part. pale grey yellow.	1.5				stratified. Bedding spacing 10 cm or so. strike N 30° W, dip 20° NE.
			2.0				
			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 19, Nov., 63
COMPLETED 23, Nov., 63

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. S.

3647

SHEET NO.192

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 N 1,392 Km 095 — R.L. GROUND 21 m 78

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY 'C' 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 / PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained. with few quartz round pebbles. (dia. 3cm).	0.5			plant roots
SILTY CLAY		medium cohesion. pale yellow.				laterific nodules with completely weathered shale debris & fragments.
SHALE.		Hardly weathered and partially clayey. pale yellow.	1.0	Base of pit, 1.0m		Bedding 1-5cm in space. strike N5°E, dip 85°SE.
			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 19, Nov., 63
COMPLETED 21, 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 - 20

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project., CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 052 N 1,392 Km 052 R.L GROUND 19 m 81

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY Cr. 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	PERMEABILITY	SAMPLE No	COMMENTS
SAND		fine, partially silty or granule, with round pebbles. brown.	0.5				plant roots. pebbles; quartz and shale. (dia. 0.5 cm).
SILT		clayey, pale yellow.					
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.
				Base of pit, 1.7 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 18, Nov., 63
COMPLETED 19, Nov., 63

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

SHEET NO. 194

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

EXCAVATION NUMBER RP - 21

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES . E 608 Km 700 N 1,392 Km 136 R.L. GROUND 24 m 18

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained. pale grey.	0.5				few plant roots.
			1.0				laterific nodules, (dia. 0.5 - 1cm).
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 laterific 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.

SHEET NO 195

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 1,391 Km 792 R.L. GROUND 23 m 60

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY ℄ 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 PERMEABILITY	SAMPLE No.	COMMENTS
SAND		silty, fine grained. pale grey. Bearing laterite nodules and well rounded pebbles of quartz.	0.5			plant roots. laterite nodules, (dia. 0.3 ~ 0.7 cm). pebbles, (dia 2-3 cm).
CLAY		without coarse grains except unconsolidified black lateritized nodules, (dia. 0.4cm). brownish yellow. Bearing weathered debris and fragments of shale in some quantity. yellow.	1.0 1.5 2.0 2.5			few plant roots. shrinkage cracks; from surface to 2m in depth.
SHALE		completely weathered. pale grey to yellow.	3.0	Base of pit, 3.0m		
			3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY HAZAMA Co.
COMMENCED 20. Nov. 63.
COMPLETED 25. 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 - 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 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	PERMEABILITY	SAMPLE No	COMMENTS
SILT.		humus. dark brown.					plant roots.
CLAY		with laterite nodule & pebble. silty, medium cohesion. yellow to grey.	0.5			7	laterite nodule; dia. 0.5cm, pebble; dia. 2 cm. Bearing weathered debris of shale and sandstone.
SHALE & SANDSTONE		Bedding spacing 10cm. completely weathered. yellow to grey.	1.0				sandstone occurs in boulder state. Bedding ; strike N 50° E. dip 80° NW.
			1.5	Base of pit, 1.2 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 2, Dec., 63
COMPLETED 3, Dec., 63

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

372

SHEET NO. 197

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

EXCAVATION NUMBER RP - 24

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES : E 609 Km 040 N 1,391 Km 846 R.L. GROUND 20 m

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY 'C' 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		dull brown.					plant roots
CLAY		Scattering limy nodules (dia. 1 - 1.5cm) in a little. damp. greyish brown.	0.5, 1.0, 1.5				well graded round quartz pebbles (dia 2-3 cm) on the base of layer.
SILTY CLAY		with very few lateritized particles. yellow.	2.0				lateritized particles coated with limy materials.
CLAY		with decomposed limy materials, weathered shale and sand stone debris. damp. yellow.	2.5				some plant roots.
			3.0	Base of pit, 2.9 m			
			3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY HAZAMA Co
COMMENCED 2, Dec., 63
COMPLETED 5, Dec., 63.

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

373

SHEET NO. 198

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

EXCAVATION NUMBER RP - 25

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 890 N 1,391 Km 970 R.L. GROUND 20 m

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY ℄ 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		dark brown, organic smell.					
CLAY		high cohesion, damp, dark brown.	0.5				with plant roots.
		somewhat sandy, with lateritic nodules (dia. 0.5cm), rounded pebbles and large boulders.	1.0 1.5				pebbles; quartz and few shale. boulders; sandstone.
			2.0	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 2, Dec., 63.
COMPLETED 3, Dec, 63

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

394

SHEET NO 199

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 1.0m x 1.5m

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		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			8	
			4.0				
			4.5				
			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. Des., 63

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

SHEET NO. 200

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 1,391 Km 992 R.L. GROUND 25 m

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY C' 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	PERMEABILITY	SAMPLE No.	COMMENTS
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 unconsolidified laterite nodules (dia. 0.3 cm ±), black. high cohesion. pale yellow	1.5, 2.0				
SANDSTONE		Sedentary soily state due to weathering of fine - medium grained sandstone. yellow.	2.5				
SANDSTONE BOULDER?		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.

376

SHEET NO. 201

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 1,892 Km 052 R.L. GROUND 21 m

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

SOIL TYPE GEOLOGICAL DESCRIPTION	G.P. SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
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.
				Base of pit, 1.6 m			Bedding of Shale; strike N15° E, dip 40° SE.
			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 4. Dec., 63
COMPLETED 5. Dec., 63.

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

377

SHEET NO. 202

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 C' LINE.
TYPE OF EXCAVATION 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GRO. P SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No.	COMMENTS
SANDY SILT		very fine grained. dull brown.	0.5				plant roots.
SILTY CLAY		damp. uncompletely laterit ized. with yellow lateritic grains and nodules (dia. 0.7 to 0.5 cm). brownish yellow.	1.0 1.5				Scattering few round quartz pebbles and weathered boulder or debris of siltstone.
SILTSTONE		highly weathered. dull yellow.					massive state. Bedding; strike E - W, dip 75° N.
			2.0	Base of hole, 1.9 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 4. Dec., 63
COMPLETED 5. 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 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 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 / PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. yellow.				with plant roots
SILT		Containing much lateritic nodules and few round pebbles of quartz. yellowish brown.	0.5			laterite nodules, dia. 0.7 cm. pebbles, dia. 0.5 - 3cm.
SILTY CLAY		with weathered debris of shale and samdstone. moderate cohesive. yellowish brown.	1.0			SHALE : completely weathered, hardly jointed & brittled. pale yellow.
SHALE			1.5	Base of pit, 1.2 m		Bedding; strike N - S, dip 50°E.
			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 8. Nov., 63
COMPLETED 19. 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 R P - 31

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 152 N 1,392 Km630 R.L. GROUND 23 m 67

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY C' 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 PERMEABILITY	SAMPLE No.	COMMENTS
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	Base of pit, 2.2 m		with decomposed limy materials and sand-stone boulder Bedding; strike N 20°E, dip 90°.
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

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 1,390 Km 737 R L GROUND 21 m

DETAILS OF LOCALITY TRAINING WALL OF SPILLWAY (C) 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		no coarse grain, dark brown small spots in deep brown matrix, moderate cohesion.	0.5				plant roots. shrinkage crack to 0.6m.
CLAY			1.0			11	damp, few plant roots. water level, 1.7m 4, Dec., '63.
			1.5				
			2.0	Base of pit, 1.8m.			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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.

SHEET NO. 206

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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		with few animal holes (dia. 0.5-1 cm), dull greyish brown.					plant roots.
		lateritic nodules (dia. 0.3-0.7cm) in plenty.	0.5				with fine plant roots. Scattering round and flat quartz pebbles.
CLAY		poor laterized zone. yellowish reddish brown.	1.0				small laterilized 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 K. S.
DRAWN BY H. S.
CHECKED BY T. K.

SHEET NO. 207

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	PERMEABILITY	SAMPLE No.	COMMENTS
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 - little.	1.0				diameter of quartz pebbles, 1.5 cm or so.
CLAY		Bearing completely weathered debris of shale in plenty yellow	1.5 2.0				limy nodules in few
SHALE		completely weathered greyish yellow.	2.5	Base of pit, 2.55 m			Bedding space; 0.5 - 2 cm. strike. N 10° E, dip 80° SE.
			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 T. 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 1,391 Km 606 R.L. GROUND 23 m 5

DETAILS OF LOCALITY FLOOD WAY OF SPILLWAY 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	PERMEABILITY	SAMPLE No.	COMMENTS
		fine grained, & no coarse grains cohesiveless organic smell, dark grey	05				fine plant roots.
SAND		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 1m.			

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

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 1,391 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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY CLAY		greyish brown yellow lateritic nodules (dia 0.2 -0.6 cm). yellowish brown.	0.5				plant roots.
CLAY		with black lateritized materials and white limy nodules. yellow	1.0 1.5				
SILTY CLAY		with completely weathered debris of shale and sandstone.	2.0				
SANDSTONE & SHALE		highly weathered, yellow, shale; jointed and disintegrated. sandstone; boulder state	2.5				strike N 30° E, dip 90°, *in bedding.*
			3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 2.6m.			

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

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

SHEET NO. 210

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

EXCAVATION NUMBER RP - 37

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		greyish brown					plant roots.
		poorly lateritized lateritic nodules (dia 0.3 - 0.5 cm).	0.5				
SILTY CLAY		Bearing weathered sandstone debris and round quartz pebbles (dia. 3cm or so)	1.0				shrinkage cracks to 1m in depth
		Spotting white limy nodule in yellow matrix, damp.	1.5			12	
SHALE		highly weathered, yellow, with grey seam.	2.0				
			2.3	Base of pit, 2.3 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 10, Dec, 63
COMPLETED 14, Dec, 63

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

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

EXCAVATION NUMBER RP - 38

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		greyish yellow.					plant roots.
		yellow.					
		lateritic nodules. yellow	0.5				
CLAY		poorly lateritized. lateritic nodules (dia 0.5–1cm)					
		with weathered shale and sandstone debris.	1.0				Bedding : Strike. N 10° E, dip 90°. Sandstone shows boulder state.
SANDSTONE & SHALE		yellow due to high degree of weathering. shale completely decomposed. yellow		Base of pit, 1.2 m.			

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

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

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

EXCAVATION NUMBER RP - 39

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 km 00 N1,391 Km 17 R.L. GROUND 20 m

DETAILS OF LOCALITY TEMINAL POINT 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		organic smell, dark grey. very fine grained & With no coarse grains, light greyish brown	0.5				plant roots, in a little.
		very slightly silty, low cohesion no coarse grains. damp, brown.	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0			13	
			5.5 6.0 6.5	Base of pit, 5.3 m.			

HOLE MADE BY HAZAMA Co.
COMMENCED 9 Dec., 63
COMPLETED 13 Dec., 63

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

383

SHEET NO. 213

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 O

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, organic smell, damp, dark greyish brown.	0.5				few plant roots.
		fine grained, no coarse grains, damp, dark brown.	1.0				
			1.5				
SAND		coarser than upper layer, fine grained, no coarse grain, cohesionless, damp, light brown.	2.0			14	
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			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 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 - 41

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 38 N 1,388 Km 46 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 / PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained. no coarse grains. organic smell brown.	0.5			plant roots, in a little
SILT		no coarse grains. brown. damp.	1.0, 1.5, 2.0		15	
CLAY.		no coarse grains. damp. deep brown	2.5, 3.0, 3.5			
SAND		fine to medium grained. no coarse grains. damp. light brown.	4.0, 4.5, 5.0	Base of pit, 5.0 m.		
			5.5, 6.0, 6.5			

HOLE MADE BY HAZAMA. Co
COMMENCED 9, 12., '63.
COMPLETED 14, 12., '63

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

SHEET NO: 215

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 1.0m x 1.5m

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		loose, grey, light greyish brown. weak laterification black unsolidified laterite nodules (dia. 0.5cm), in a little dark brown.	0.5				few plant roots
		no coarse grains cohesive brown	1.0				damp.
			1.5				
			2.0				
			2.5				
			3.0				▼ water level, 3.0m. 21. Dec., '63
			3.5				
			4.0				
			4.5	Base of pit, 4.2m.			
			5.0				
			5.5				
			6.0				
			6.5				

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

LOGGED BY K. S.
DRAWN BY H. S.
CHECKED BY T. 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 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		pale grey. no coarse grain small holes of some animals light brown	0.5				plant roots
		deep brown small spots in light brown matrix	1.0				
			1.5				
CLAY		Bearing small, black and lateritized grains, in a litte. damp deep brown	2.0			16	
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0	Base of pit, 5.0 m.			
			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 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 1388 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY CLAY		no coarse grans pale grey.	0.5				plant roots.
CLAY		brown laterilized grains (dia. 0.5 cm to 1cm) in pale yellow matrix.	1.0			17	damp.
		dark brown.	1.5	Base of pit, 1.55m.			water level, 1.5m. 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 T. H.

593

SHEET NO. 218

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 1,392 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. pale yellow. fine grained. yellowish brown.	0.5				with plant roots.
SILTY SAND		yellowish brown.	1.0				
SILT.		with laterite nodules. pale grey.	1.5				
SILTY CLAY		lean.	2.0 2.5 3.0 3.5 4.0 4.5 5.0				damp.
			5.5	Base of pit, 5.3m			
			6.0 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. K.

394

SHEET NO. 219

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

EXCAVATION NUMBER RP – 51

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor 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 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. grey.					with plant roots.
		fine grained. brown.	0.5				
SILT		with much laterite nodules, dia. to 1.5cm.	1.0				
CLAY		Spotting limy patches and nodules of angular shape. Dappled yellow in grey matrix.	1.5			18	
		Bearing fragments of completely weathered Shale. yellow patches in grey matrix.	2.0 2.5				
SHALE		Highly weathered. yellowish brown.	3.0 3.5 4.0			19	somewhat damp.
			4.5	Base of pit, 4.4m.			◀ WATER LEVEL, 4.3m. 4, Dec., '63
			5.0 5.5 6.0 6.5				

HOLE MADE BY HAZAMA Co.
COMMENCED 27, 11, '63
COMPLETED 3, 12, '63

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

SHEET NO.220

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

EXCAVATION NUMBER RP-52

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
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 2.5			20	
SHALE		Highly weathered. yellowish brown.	3.0 3.5 4.0				
			4.5 5.0 5.5 6.0 6.5	Base of pit, 4.1 m.			

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

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY T. K.

SHEET NO 22

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

EXCAVATION NUMBER RP-53

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES : E 604 Km 03 N 1393 Km 15 R.L. GROUND 30 m

DETAILS OF LOCALITY DOWN STREAM 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		pale grey. Having tinged of yellow in grey. with laterite nodules, dia. 0.5cm, in grey matrix.	0.5				with plant roots. shrinkage cracks reach to 1.2m deep.
SILTY CLAY		Bearing limy nodules, and some of them are dissolved. cohesive. grey.	1.0				
CLAY		SANDSTONE boulder are contained. yellow.	1.5				damp.
			2.0	Base of pit, 2.0m			
			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 T. H

3917

SHEET NO. 222

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

EXCAVATION NUMBER RP-54

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES : E 606 Km 32 N 1391 Km 17 R.L. GROUND 31 m

DETAILS OF LOCALITY DOWN STREAM 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	PERMEABILITY	SAMPLE No	COMMENTS
SILTY SAND		pale grey. yellow. Scattering laterite nodules, dia. 1cm or so in pale grey SILTY SAND.	0.5, 1.0, 1.5, 2.0				with plant roots.
SILTY CLAY		white CLAY which derived from decomposed limy materials, with yellowish brown SILT.	2.5, 3.0, 3.5, 4.0, 4.5, 5.0			21	somewhat damp.
			5.5, 6.0, 6.5	Base of pit, 5.0m			

HOLE MADE BY HAZAMA Co.
COMMENCED 26, 11, '63
COMPLETED 5, 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 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 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		pale yellowish grey.	0.5				with plant roots.
		Scattering laterite nodules, dia. 1cm or so, in pale grey SILTY SAND.	1.0 / 1.5				
SILTY CLAY		white CLAY, which derived from decomposed limy materials, with yellowish brown SILT.	2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0	Base of pit, 5.0m			somewhat damp.
			5.5 / 6.0 / 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 T. H.

397

SHEET NO. 224

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

EXCAVATION NUMBER RP-56

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank.

CO-ORDINATES : E 602 Km 40 N 1,396 Km 65 R.L. GROUND 35 m

DETAILS OF LOCALITY DOWN STREAM 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND.		fine grained. Bearing laterite nodules, and few rounded QUARTZ pebble, dia. 3 to 5cm.					with plant roots.
CLAY		pale grey CLAY with reddish brown patches in lens.	0.5 1.0 1.5 2.0 2.5			22	damp.
SANDSTONE		Highly weathered, dark yellowish brown.	3.0 3.5 4.0 4.5 5.0				
			5.5 6.0 6.5	Base of pit, 5.0m.			

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

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

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SHEET NO 225

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 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	PERMEABILITY	SAMPLE No	COMMENTS
SAND		fine grained. grey. laterite nodules concentrate. Bearing laterite nodules, dia. 3 to 1cm.	0.5				with plant roots.
CLAY		Bearing limy nodules, dia. 4 to 6cm, and limy spots. cohesive. yellow.	1.0 1.5 2.0 2.5			23	with boulder of SANDSTONE on the base.
				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 T. H.

SHEET NO 226

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

EXCAVATION NUMBER LQO - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 614 Km 194 N1,404' 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	PERMEA BILITY	SAMPLE No	COMMENTS
CLAY		organic smell, grey Mottled pale grey and yellowish brown, with few decomposed limy nodules.	0.5	Base of pit, 0.6m.			plant roots. large sandstone boulders on base of pit.

10 15 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, 11., '63
COMPLETED 30, 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 LQO - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 km 565 N 1,403 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		laterite nodules & quartz round pebbles, light brown.					plant roots, laterite nodules 0.3cm, pebbles 2cm.
SILTY CLAY		no coarse grains. light yellow.	0.5 1.0 1.5				few unsolidified black laterite nodules, 0.5 - 1cm.
SHALE		shale ; laminated, sandston ; medium grained.	2.0				Bedding ; strike N 5°W, dip. 20° NE.
SANDSTONE							
SHALE		Completely decomposed due to high degree weathering, sedentary saily state. light yellowish brown.	2.5 3.0				
SANDSTONE				Base of pit, 3.1m.			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

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

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

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

EXCAVATION NUMBER LQO - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES. E 612 Km 819 N 1,402 Km 844 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine - medium grained, with laterite nodules. 0 3cm. 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.	1.0				
SANDSTONE		Completely weathered, Able to drg by hand hoe brown.	1.5				massive state, strike & dip of strata. obscure.
			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 29. 11., '63
COMPLETED 30. 11., '63

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

SHEET NO. 229

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

EXCAVATION NUMBER LQO - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 613 Km 470 N 1,404 Km 165 R.L. GROUND 34 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	PERMEABILITY	SAMPLE No.	COMMENTS
		fine grained. grey. with blocks of sandstone.	0.5				plant roots.
SAND.		somewhat silty. yellow.	1.0				Bearing laterite nodules & round quartz pebbles (dia. 2 cm). Bearing limy nodules (dia. 1-3 cm) and scattering unsolidified black laterite nodules (dia. 1cm) in a little.
			1.5				
SANDSTONE		soft, yellowish 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 T. H.

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

EXCAVATION NUMBER LQ.0 - 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 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		very fine grained. light pink.					plant roots.
SILTY CLAY		laterite nodules to 1cm, few round quartz pebbles 1-5cm.	0.5				
CLAY		cohesive. Bearing unsolidified black lateritic nodules in some-little. pale yellow.	1.0 1.5				rare plant roots.
SANDSTONE		medium grained. Completely weathered to soily state, yellow.	2.0 2.5				massive state, strike & dip of bedding obscure.
			3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	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 T.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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. light grey.	0.5				plant roots.
SILTY SAND		Bearing unsolidified limy nodules. yellow.	1.0				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				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 T. H.

SHEET NO232

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

EXCAVATION NUMBER LQO-7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 866 N1.403 Km 753 R.L GROUND 29 mOO

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 PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained, grey. yellow.	0.5			plant roots.
SILTY SAND		Bearing limy patches and nodules in some-little. yellow. no coarse grains.	1.0			with laterite nodules (dia -1cm) a few. round quartz. pebbles (dia. 2cm). damp.
SANDSTONE		Sedentary soil state due to complete decomposition. sand with seams of grey clay.	1.5 2.0 2.5			
			2.7	Base of pit, 2.7 m.		
			3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

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

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

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

EXCAVATION NUMBER LQO - 8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612km 826 N 1,403 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained, dark brown. laterite nodules to 0.5cm and round quartz. pebbles ina little	0.5				plant roots. Bearing cobbles and boulders of weathered sandstone.
SILTY CLAY		Bearing completely weathered & decomposed debris or cobbles in some little. cohesion. yellow.	1.0				large boulders of weathered sandstone on the base of pit.
			1.5	Base of pit, 1.3m.			
			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 6, 12, '63
COMPLETED 8, 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 LQO -#9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project. CAMBODIA FEATURE Left Bank

CO-ORDINATES E 612 Km 700 N 1403 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, yellow. laterite nodules to 0.5cm & quartz round pebbles.	0.5				quartz pebble, 1.5-3 cm, 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				somewhat weathered sandstone boulders on base of pit.
			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 T. H

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 1,403 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 / PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, deep brown,				plant roots.
SILTY CLAY		laterite nodules to 05cm. cohesive, yellow.	0.5			low lateritization.
SNALE		Completely decomposed. Forming to shale fragments bearing silty clay.	1.0			Bedding; spacing 3-5cm. strike N 20° W, dip 30° N E.
		Completely weathered and decomposed in part. yellow - grey.	1.5			
				Base of pit, 1.7m.		
			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 16, 12, '63
COMPLETED 17, 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 LQO - 11

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained, dark brown.	0.5				plant roots.
SILTY CLAY		laterite nodules 0.3cm. with sandstone boulder.	1.0				weak lateritization.
		with completely decomposed debris of sandstone or shale. cohesive. greyish yellow.	1.5				Bedding spacing 2-5cm.
SHALE		Highly weathered. greyish yellow.	2.0	Base of pit, 2.0m.			
			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 T. 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 846 N 1,404 Km 483 R.L. GROUND 35 m 50

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine - medium grained, dark grey.	0.5				plant roots.
		laterite nodule to 05cm and round and flat Quartz pebbles.					poor lateritization.
CLAYEY SAND		Bearing weathered angular debris of sandstone. somewhat cohesive, sand grain, fine - medium, yellow.	1.0 / 1.5				
		Bearing completely decomposed boulders and cobbles of sandstone. sand grains, fine - medium, greyish. yellow.	2.0				Decomposed to white limy materials in some part
SANDSTONE		Completely decomposed due to high degreed weathering, sedentary soily state. deep brown.	2.5 / 3.0				massive state
		Highly weathered, pale yellow.	3.5				water level 3.5m 25 Dec '63.
				Base of pit, 3.6 m.			
			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 T. K

(13)

SHEET NO.238

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 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		fine grained, light greyish brown.					
		fine to medium grained, with few boulder light yellowish brown	0.5				with plant roots.
SILTY CLAY		with tiny nodules of small size in some-little slightly sandy. greyish yellow.	1.0				with laterite nodules, 0.5 cm.
			1.5	Base of pit, 1.3 m.			on bottom of pit medium grained, weathered sandstone.
			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 1, 12, '63
COMPLETED 1, 12, '63

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

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 1,404 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		organic smell. grey, laterite nodules, 0.4cm reddish brown to grey.	0.5				with plant roots & sandstone blocks or debris subangular, some debris coated with iron.
SANDSTONE		cracked and loosened, weathered, yellow.		Base of pit, 0.6m.			

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

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

SHEET NO.240

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

EXCAVATION NUMBER LQO - 15

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No	COMMENTS
SAND		fine grained. organic smell, dark grey.	0.5				with plant roots.
		poorly lateritized.					
SANDY CLAY		Spotted boulders and debris that completely decomposed.	1.0				
			1.5				
CLAYEY SILT		white limy nodules, subangular or subround grayish yellow.					
			2.0				sedentary soil.
ALTERNATION OF SHALE & SANDSTONE		Completely decomposed due to weathering grey to brown.					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. K.

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	PERMEABILITY	SAMPLE No	COMMENTS
SAND		fine grained, grey, yellow.	0.5				plant roots, with sandstone debris & few laterite nodules, 0.5cm
SILTY SAND		yellow spots in grey matrix.	1.0	SS			with sandstone blocks in a little, unsolidified laterite nodules or patches and few round pebbles of quartz, dia. of pebbles, 3-4 cm.
SANDSTONE		massive, medium grained, pale grey.	1.5	Base of pit, 1.3 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 2, 12, '63
COMPLETED 4, 12, '63

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

SHEET NO 242

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

EXCAVATION NUMBER LQO - 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		light grey, fine grained, yellow. laterite nodules to 0.5cm & few round quartz pebbles to 3cm	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	Base of pit, 2 1 m.			Bedding; strike N 30° W, dip 10° NE.
			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 K. S.
DRAWN BY H. S.
CHECKED BY T. H.

(-8)

SHEET NO. 243

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

EXCAVATION NUMBER LQO-18

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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine - medium grained, slightly silty, light brown.					plant roots.
SILTY SAND		Scattering unsolidified black laterite nodules. pale yellow. well round quartz pebble, 4cm, ma little.	0.5				large sandstone boulders of subangular shape.
			1.0				
			1.5	Base of pit, 1.4 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 2, 12, '63
COMPLETED 2, 12, '63

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

SHEET NO244

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		light pink. few laterite nodule, to 0.5cm					
SANDY SILT		moderate cohesion. with sandstone debris. yellow.	0.5				plant roots.
SANOSTONE		Boulders are filled with completely decomposed sandstone. Developing decomposed limy seams & patches.	1.0				decomposed sedentary soil with large grey fine grained sandstone boulder.
			1.5				
				Base of pit, 1.7 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 30, 11, '63
COMPLETED 2, 12, '63

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

SHEET NO. 245

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

EXCAVATION NUMBER LQO - 20

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 614 Km 415 N1,404 Km 408 R L GROUND 35 m 20

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		fine grained, light orange yellow. laterite nodules to 0.5cm & round quartz pebbles to 1.5cm.	0.5				plant roots. laterifization
SILTY CLAY		Mottled dull grey and light yellow. no coarse grain. cohesive.	1.0 1.5				Bearing black unsolidified laterite nodule, 0.3cm, in some-little.
SANDSTONE		Completely decomposed due to strong weathering sedentary soil. clayey sand. brown. sheeted shale, grey. Highly weathered. brown.	2.0 2.5 3.0	Base of pit, 3.3 m.			compact. Bedding; strike N80° W, dip 25° NE.
			3.5 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 I. K.

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 N1,403 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine, with small sized laterite nodules, few light pink, somewhat clayey. Bearing white limy nodules. pale yellow. laterite nodules to 1cm & round quartz pebbles to 3cm	0.5				plant roots. laterization quartz pebble. few
SILTY CLAY		Scattering black un-solidified nodules to 1cm and few white soft limy nodules, yellow. Bearing completely decomposed sandstone, block, yellow.	1.0 1.5 2.0				
SANDSTONE		Highly weathered, and able to dig by hand hoe. Some parts remain block of weathered sandstone, yellow.	2.5 3.0				Bedding ; strike N-S, dip 20°E.
			3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of pit, 3.1 m.			

HOLE MADE BY HAZAMA.Co.
COMMENCED 8. 12. '63
COMPLETED 10. 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 LQO - 22

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 903 N 1,403 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, grey, light yellow.	0.5				plant roots.
SAND		fine - medium grained, pink. laterite nodules 1 - 3 cm & round and flat quartz pebbes. 3~4 cm, few.	1.0				few plant roots. 2 bands of laterite nodules.
SILTY CLAY		Bearing debris of weathered shale. grey - yellow.	1.5				
SHALE		Completely decomposed due to strong weathering. Clayey, derived from decomposition of lime.	2.0				Bedding ; strike N 10° E, dip 10° SE. Bearing sandstone boulders on top and base of the layer.
			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 9, 12, '63
COMPLETED 10, 12, '63

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

SHEET NO. 248

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

EXCAVATION NUMBER LQO - 23

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 903 N 1,403 Km 400 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, grey. laterite nodules to 1cm rather irregularly crowd.					plant roots.
SILTY CLAY		Scattering few black unsolidified laterite nodules, to 1cm. yellow.	0.5, 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. K.

SHEET NO. 249

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 583 N 1.403 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	PERMEABILITY	SAMPLE No	COMMENTS
SAND		fine grained. pale yellowish grey. laterite nodules to 0.5cm.	0.5				plant roots. poor lateritization.
SANDY SILT		moderate cohesive. brownish yellow. laterite nodules to 0.5cm & round quartz pebbles to 3cm	1.0				poor lateritization.
SANDY CLAY		Mottled milk white and orange yellow. with few black, laterite & limy nodules. cohesive.	1.5				Bedding ; obscure.
SANDSTONE		Completely decomposed due to weathering and able to dig by hand hoe. yellowish brown.	2.0				
			2.5	Base of pit, 2.5m.			
			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

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

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

EXCAVATION NUMBER LQO - 25

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained, greyish brown.					plant roots.
SANDY CLAY		somewhat cohesive, yellowish orange.	0.5				few, fine plant roots
		laterite nodules to 1 cm.	1.0				with round quartz pebbles 1.5 -2 cm, in small quantity.
SILTY CLAY		Bearing black unsolidified 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 T. H.

SHEET NO. 251

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 1,402 Km 529 R.L. GROUND 29 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained. pale grey.					
SANDY SILT		very weak lateritization. orange yellow. laterite nodules to 0.5cm	0.5				plant roots
SILTY CLAY		Mottled milk white and orange yellow. with completely decomposed sandstone boulders and black laterite nodules in a little.	1.0				with weathered round sandston boulders. 15 – 20cm in dia
SAND STONE		Completely decomposed due to weathering. brown.	1.5				massive. with few and fine plant roots. soily state.
			2.0	Base of pit, 2 1m.			
			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 1.0m x 1.5 m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		organic smell, dark greyish brown.					plant roots
SAND		laterite nodules, to 05cm, 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 2.0 2.5 30 3.5				shrinkage cracks to 1.5 m
SANDSTONE		fine grained. yellow due to high degree of weathering.	40 45				
			50 55 60 6.5	Base of pit, 4.5 m.			

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

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

SHEET NO.253

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 Km000 N1,405 Km 280 R.L. GROUND 32 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, pale grey, few laterite nodules to 05cm. yellowish brown.					plant roots.
		laterite nodules, to 0.5cm.	0.5				
SILTY CLAY		cohesive. Scattering few black laterite nodules, 0.3cm in diameter, in pale yellow matrix.	1.0				
			1.5				
SANDSTONE		completely weathered, with 5 decomposed limy seams, 2-3cm. yellow.	2.0				massive state. with few and fine plant roots. on bottom of pit. Occuring yellowish grey weathered sandstone.
				Base of pit, 2.1m.			
			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 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 1,391 Km 932 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILT		very fine sandy, dark brown, laterite nodules (dia. to 0.5 cm) in yellow silt.	0.5				plant roots.
CLAY		Bearing fragments of completely weathered shale. pale yellow.	1.0			U6	
SHALE		highly weathered, sheeted rock. pale yellow.	1.5				Bedding; spacing 1 - 15 cm. strike N 10° E, dip 85° NW.
			2.0	Base of pit, 1.7 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 30 Nov, '63
COMPLETED 3, Dec, '63

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

SHEET NO. 254

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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		with a boulder, sub-angular, 20cm x 10cm. greyish yellow.	0.5				plant roots.
		with laterite nodules to 1cm. round and flat pebbles of quartz and boulder.					boulders; sandstone, sub-angular, large size.
SANDY SILT		fine plant root. with boulders.	1.0	Base of pit, 1.0 m.			On base of pit, occuring 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 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 - 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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		dark brown. poor lateritization.					Plant roots.
SILTY CLAY		dull brownish yellow.	05				laterite nodules, 0.5 cm.
SANDSTONE		medium grained, massive state, highly weathered. brownish yellow.	10				Intercalating decomposed limy veinlets. Bedding; strike N 10° E, dip 85° NW.
			15	Base of pit, 1.5 m.			
			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.

SHEET NO.257

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		very fine grained. grey.					plant roots.
		poorly lateritized.					nodules, 0.3 - 0.7 cm in dia..
CLAYEY SILT		sedentary soil due to completely weathered sandstone. Intercalating band of shale. light yellowish brown.	0.5 10 15			47	Bearing few white limy soft nodules, to 3cm in diameter.
SANDSTONE		yellow due to weathering.					Intercalating shale band of 7 cm thick. Bedding ; strike N 10° E, dip 75 NW.
			2.0	Base of pit, 1.9 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 2.12.'63
COMPLETED 4.12.'63

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

SHEET NO. 258

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

EXCAVATION NUMBER LQ 2 - 11

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		light brown.					plant roots.
		no coarse grain. damp. cohesive. dark brown.	0.5 1.0				
CLAY		somewhat sandy. poor laterilization. with decomposed white or yellow limy nodules. damp. yellowish brown to dark grey.	1.5 2.0 2.5				Some laterite nodules are coated with yellow lime. diameter of nodules, 0.5 cm.
		no coarse grain. damp, cohesive. dull yellow.	3.0 3.5 4.0				◀ water level, 3.75 m. 20. Dec. '63
			4.5 5.0 5.5 6.0 6.5	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.

SHEET NO. 259

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 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY CLAY		no coarse grains, cohesive, chocolate to deep brown,	0.5				plant roots.
		cohesive, brown,	1.0				
		poor laterilization. laterite nodules, to 0.5 cm.	1.5				
		cohesive, damp, brown.	2.0				
			2.5				
CLAY		cohesive, damp, brown.	3.0				with one sandstone boulder, 25 cm in dia..
		decomposed white limy materials & nodules.	3.5				with weathered debris of sandstone.
				Base of pit, 3.7 m.			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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 613 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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		fine grained, pale grey.					few laterite nodules 0.2cm
SILTY CLAY		black unsolidified laterite nodules, 0.4 cm, & completely decomposed sandstone debris. Motted yellow & pale grey.	0.5				
SANDSTONE & SHALE		Completely weathered. Sandstone is decomposed to compact soily state. decomposed calcite veinlets develop. yellowish brown.	1.0				Intercalating sheeted shale, 25 cm thick. Bedding ; strike N 10° E, dip 80° SE.
			1.5				
			2.0	Base of pit, 1.9 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 18. Dec. '63
COMPLETED 20. Dec. '63

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

SHEET NO. 261

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		poorly lateritized. pale yellow.					plant roots.
SANDY CLAY		no coarse grains, sand, medium grained, cohesive. pale yellow.	0.5				with completely weathered sandstone boulders in dapple.
SANDSTONE		Completely decomposed due to weathering medium grained, compact. yellow.	1.0				massive residual boulders in some part.
			1.5	Base of pit, 1.4 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 18. 12. '63
COMPLETED 19. 12. '63

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

SHEET NO.262

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 1.0m x 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION / PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		no coarse grains. dark grey.				plant roots.
SANDY CLAY		with weathered sandstone boulder, 15 cm in dia.. cohesive. deep grey. laterite nodule layer.	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)

EXCAVATION NUMBER LQ 2 - 16

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No	COMMENTS
CLAYEY SILT		organic smell. grey.					plant roots.
		laterite nodules, 0 4 cm. dark grey.	0.5				fine plant roots. poor lateritization.
SILTY CLAY		Bearing completely weathered debris and fragments of shale and sandstone. damp. yellowish brown.	1.0				with one round quartz pebble, 2 5 cm.
SHALE & SANDSTONE		Completely weathered. damp cohesive. yellow - grey.	1.5				Bedding; obscure.
			2.0	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.

SHEET NO. 264

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 613 Km 070 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	PERMEABILITY	SAMPLE No.	COMMENTS
SANDY SILT		fine grained. dark grey.					laterization.
SANDY CLAY		laterite nodule to 05 cm and weathered sandstone debris. yellow.	0.5			48	weak laterization.
		weathered sandstone & shale fragments or debris.					
SANDSTONE & SHALE		highly weathered. grey ~ brown.	1.0	Base of pit. 1.1 m			intercalating weathered shale, 25 cm thick.
			1.5				plant roots reach to base of pit.
			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 1.0 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY CLAY		no coarse grains. dark grey.	0.5				plant roots.
		poor lateritization.				69	shale debris; completely decomposed.
SHALE		Completely decomposed due to weathering, with much debris of shale, in SILTY CLAY. damp.	1.0				
		Highly weathered. clayey. yellow.	1.5	Base of pit, 1.6 m.			sheeted. Bedding; strike N 10° E, dip 80° NW.
			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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		fine grained. spotting few yellow particles in dark.					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.	0.5				few plant roots.
SHALE		Completely weathered and clayey in some part. grey to yellow.	1.0				Bedding spacing, 1 - 3 cm.
				Base of pit, 1.2 m.			
			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 21. 12. '63

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

SHEET NO. 267

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 1,391 Km 558 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, yellow.					plant roots.
SANDY CLAY		with completely weathered debris of sandstone,	0.5				no coarse grains.
SANDSTONE & SHALE		Completely weathered & decomposed. yellow to pale grey.	1.0	Base of pit, 1.0 m.			intercalating weathered shale 10cm thick in sandy soil derived from sandstone. Bedding; strike N 10° E, dip 90°.
			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 17. 12. '63
COMPLETED 17. 12. '63

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

SHEET NO. 268

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 1,391 Km 469 R.L GROUND 27 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, greyish yellow.					plant roots.
		yellow.					
SANDY SILT		Scattered small sized laterite nodules, 0.3 cm	0.5				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.	1.0				Intercolating weathered shale, 10cm thick. Bedding; strike N 5° E, dip 90°. sandstone boulders on base of pit.
			1.5	Base of pit, 1.7m.			
			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 18.12.'63
COMPLETED 19.12.'63

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

SHEET NO 269

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 Projeect, 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		very fine grained, pale grey,					plant roots.
SANDY SILT		very few laterite nodules 0.3cm & small rounded quartz pebbles.	0.5				
SANDY CLAY		with completely weathered sandstone debris. cohesive, yellowish brown.	1.0				
SANDSTONE		Completely decomposed due to weathering, and forming compact sandy soil brown.	1.5	Base of pit, 1.8 m			sandstone; medium grained, massive.
			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 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 1,391 Km 313 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	PERMEABILITY	SAMPLE No.	COMMENTS
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.	1.0				with white limy nodules to 0.2cm.
		Striped yellow in greyish brown matrix. cohesive. with weathered shale fragments.	1.5				
SHALE		Highly weathered, friable, Easily becomes cubic small fragments, slightly damp, Joints and beddings stained to black, greyish yellow.	2.0				Bedding spacing 1-2 cm, strike N 10°E, dip 80 SE.
			2.5				
			3.0	Base of pit, 3.0 m.			
			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 - 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 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	PERMEA BILITY	SAMPLE No.	COMMENTS
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	Base pit, 2.1 m.			Bedding spacing 3 - 5 cm. strike. N10° W, dip 35° NE. somewhat damp.
			2.5				
			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 484 N 1,392 Km 179 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		no coarse grained. dark greyish brown.					plant roots.
CLAY		laterite nodules, 0 5 cm. yellow – greyish brown.	0.5				few fine plant roots.
SHALE		Completely weathered and friable Each particles shows 0 5 – 1 5 cm cubic. yellow.	1.0				Bedding ; strike N 10° W, dip 70 NE.
		highly weathered. jointed. yellow.	1.5				sheeting spacing, 0 5 – 1 5 cm in common.
			2.0	Base of prt, 1.7 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 20. 12. '63
COMPLETED 21. 12. '63

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

SHEET NO. 273

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	PERMEA BILITY	SAMPLE No.	COMMENTS
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, strike N 10° E, dip 75° SE. uneasy to dig by hand hoe.
			1.5	Base of pit, 1.2 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 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 1.5m

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, grey.					plant roots.
SILTY CLAY		laterite nodules, subangular, to 1cm. with weathered debris of sandstone and shale, in plenty. grey – yellow.	0.5				
SANDSTONE & SHALE.		Completely decomposed due to weathering. yellow.	1.0				intercalating weathered shale, 5cm thick. Bedding; strike N10°E, dip 80°NW.
			1.5	Base of pit, 1.3 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 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 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine to medium grain, with few laterite nodule, 0 3cm. pink – pinkish yellow.					plant roots.
		laterite nodules, 0 3 – 1cm, in plenty.	0.5				laterization.
SANDY CLAY.		with black unsolidified laterite nodules, to 0 5cm.					weak laterization.
		Bearing small fragments of shale, yellow.	1.0				
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	Base of pit, 2.3 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 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 1,392 Km 220 R.L. GROUND 30 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained grey.					plant roots.
SILTY CLAY		laterite nodules, 3cm thick. with laterite and white fimy nodules. dull brown.					nodules in small quantity.
SANDY CLAY		unsolidified black laterite nodules, in small quantity. yellow.	0.5				
SANDSTONE		Completely decomposed due to weathering. compact. Able to dig by hand hoe. light brown.	1.0				massive state. fine to medium graned. cohesive in powder.
			1.5				
			2.0	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 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 177 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	PERMEABILITY	SAMPLE No.	COMMENTS
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 unsolidified 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.
				Base of pit, 2.1 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 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 LQ 2-31

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES : E 613 Km 070 N 1,392 Km 380 R L GROUND 25 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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		few laterite nodules, 05 cm, dark brownish grey.					organic smell with plant roots
SHALE & SILTSTONE		yellow due to high degree of weathering.	0.5				few fine plant roots.
				Base of pit, 0.7 m.			sheeted. Bedding; strike N 10° E, dip. 80° NW. spacing, 0 5 – 2 cm.

1.0 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 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 LQ2-32

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	PERMEABILITY	SAMPLE No	COMMENTS
SHALE		Hardly weathered & jointed friable, each particles into 0.5 – 1 cm in cubic. pale yellow;	0.5				plant roots.
		weathered, clayey In part, uneasly to dig by hand hoe. yellow.	1.0	Base of pit, 1.0 m.			Bedding; strike N 15° E, dip 70° SE. 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 HAZAMA Co.
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^{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	PERMEABILITY	SAMPLE No.	COMMENTS
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					
CONGLOMERATE		weathered, but sound, chocolate.	1.5				clayey,
			1.8	Base of pit, 1.8 m			massive and compact, pebble size; rather small. Some parts show granule facies.

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 - 33

TEST PIT AND AUGER HOLE LOG

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		laterite nodules to 0.8 cm, in part, yellowish brown.					
SANDY CLAY		laterite nodules to 0.5 cm, in part fine grained sand, dark brown.	0.5				plant roots.
SILTY CLAY		Bearing weathered & decomposed sandstone debris, yellowish brown.	1.0				
SHALE & SANDSTONE		Highly weathered, yellow.	1.5	Base of pit, 1.3 m.			Bedding; strike N 5° 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 HAZAMA Co.
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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. orange – yellow.					plant roots.
SILTY CLAY		weak laterization. Mottled orange and pale grey, cohesive.	0.5				well round quartz pebbles, 1–4 cm.
CLAYEY SAND		completely decomposed sandstone debris, yellow.					
SANDSTONE		medium – coarse grained. Highly weathered, slightly clayey. purple.	1.0				massive. Bedding ; strike N30° N, dip. 10° SW ?
			1.5	Base of pit, 1.8 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 16, 12, '63
COMPLETED 17, 12, '63

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

SHEET NO. 283

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	PERMEABILITY	SAMPLE No.	COMMENTS
SILTY SAND		fine grained, dark brown.					plant root.
CLAY		few laterite nodules, to 0.5cm and round pebbles. cohesive. reddish brown.					round pebbles; quartz, 2 - 4 cm, rather flat. fine plant roots.
SANDSTONE		somewhat weathered, sound. medium grained. dark brown.	0.5				
			1.0	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°.
			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 16, 12, '63
COMPLETED 16, 12, '63

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

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

EXCAVATION NUMBER LQ3 - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank.

CO-ORDINATES. E 613 Km 90 N 1384 Km 15 R.L GROUND 30 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	PERMEABILITY	SAMPLE No	COMMENTS
CLAY		siltstone fragments in small quantity, cohesive, reddish brown.					plant roots.
SILTSTONE		weathered. sound. chocolate to purple.	0.5				massive, jointed.
				Base of pit, 0.6 m.			

0.5 10 15 2.0 2.5 30 35 40 45 50 55 60 65

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

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

SHEET NO.285

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 1.0m X 1.5m

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		laterite nodules, 0.3 cm & round quartz pebbles, 1-2 cm. fine grained. yellow.	0.5				plant roots.
SANDY CLAY		with limy nodules 2 - 2.5 cm. yellow to purple.					Bedding; strike N — S, dip 25° W.
CLAYSTONE		weathered. chocolate.					
SANDSTONE		medium & Coarse grained. grey. weathered quartz vein, 5 cm. weathered, soft. granule conglomerate in part.	1.0 1.5				
				Base of pit, 1.5 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 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 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	PERMEABILITY	SAMPLE No.	COMMENTS
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.	1.0				
CONGLOMERATE		Highly weathered. small pebble conglomerate. matrix- loosen. decomposed soft lime vein. gravels cemented with silty granules. decomposed soft lime vein. decomposed soft lime vein. purple.	1.5, 2.0, 2.5				gravel size ; 0.5–5cm, to 1cm. common. lime veins, nearly horizontal. gravels ; quartz, quartzose rock, slate & sandstone.
		weathered. some part very hard due to cemented with lime solution, purple.	3.0			631227 I 02	
			3.5	Base of pit, 3.5 m.			

HOLE MADE BY HAZAMA Co.
COMMENCED 13, 12, '63
COMPLETED 18, 12, '63

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

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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained, pale grey - yellow. laterite nodules, to 0.5 cm and round quartz pebbles, 1.5 – 2 cm.	0.5				plant roots.
CLAY		few coarse grains, cohesive, reddish brown. decomposed medium grained sandstone in part.	1.0				
SANDSTONE		weathered, sound in part, medium grained, purple to deep brown.	1.5	Base of pit, 1.5 m.			Bedding; strike N 20° W, dip 10° SW. Easily crushed by hands 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 HAZAMA Co.
COMMENCED 21, 12, '63
COMPLETED 23, 12, '63

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

SHEET NO. 288

EXCAVATION NUMBER LQ 3 - 9

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 6.5 Km 24 N 1382 Km 87 R.L. GROUND 38 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	PERMEABILITY	SAMPLE No.	COMMENTS
SAND		fine grained. yellow to greyish yellow.					plant roots.
		laterite nodules, to 05cm, angular & quartz pebbles.	0.5				quartz pebbles, round 2-3cm, in a little.
CLAY		weathered : sandstone boulders & cobbles. conesive. yellow.	1.0				
		decomposed white limy nodules and patches, chocolate.					
SILTSTONE		weathered. soft. slightly damp, chocolate.	1.5				massive. developing some calcite vernlet. soft.
				Base of pit, 1.7m.			
			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 19.12.'63
COMPLETED 20.12.'63

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

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

EXCAVATION NUMBER LQ3 - 10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 614 Km 50 N 1382 Km 83' R.L GROUND 36 m 80

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	PERMEA BILITY	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.					
CLAY		compact.	1.5				
		some chocolate claystone debris & fragment.	2.0				
		cohesive. damp. chocolate.	2.5				
CLAYSTONE		highly weathered. chocolate.					massive. Bedding ; nearly horizontal.
			3.0	Base of pit, 2.9m.			
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY HAZAMA Co.
COMMENCED 10, 12, '63
COMPLETED 23, 12, '63

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

465

SHEET NO: 290

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^{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	PERMEABILITY	SAMPLE No.	COMMENTS
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, lime coated claystone fragments, 1 - 3 cm, with completely decomposed claystone debris,	0.5 1.0				
CLAYSTONE		weathered but sound, purple.	1.5				massive, jointed. Bedding; strike N 65° E, dip 5° SE ? friable at state of loosing moisture.
				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 19, 12, '63
COMPLETED 20, 12, '63

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

EXCAVATION NUMBER LQ 3 – 13

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 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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		laterite nodules, to 0.5 cm, round, fine grained, brown.					plant roots with some round quartz pebble, 1–3cm.
SILTY CLAY		lateritic nodules, to 1 cm, angular, cohesive, brown.					with completely weathered sandstone debris.
SILTSTONE		weathered, sound large boulder filled with brown clay, light purple.	0.5				massive.
				Base of pit, 0.8 m.			

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

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

LOGGED BY K. S.
DRAWN BY H. S.
CHECKED BY T. 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 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	PERMEA BILITY	SAMPLE No.	COMMENTS
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 05 cm, & round quartz pebbles.					quartz pebbles, 1 – 3 cm in dia.
		Scattering some decomposed white limy nodules. cohesive. orange.	1.5 2.0				
SANDY CLAY		Completely decomposed sandstone boulders are filled with cohesive clay. clay ; Spotting yellow in grey matrix. sandstone ; medium grained.	2.5 3.0				damp.
				Base of pit, 3.1 m.			
			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 T. K.

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

HOLE	LOCATION	ELEVATION (m)	DEPTH OF HOLE (m)	DEPTH OF OVER-BURDEN (m)	LOG SHEET (No.)
A H 6402	LEFT BANK A -LINE	+ 19 0	5.0		1 8
6403	〃 〃	+ 19 0	5 0		1 9
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 L.T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA — FEATURE RIGHT BANK

HOLE No. D.H 6401-1 — CO ORDINATES E609 km 180 N 1,393 km 175 R.L. GROUND 20.70

LOCATION NAVGATION 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 3.38 Suporting swamp grass in water		
SANDSTONE highly weathered	greenish gray	2–3	68 mm		95	consists of weathered sand stone or shale fragments.		
SANDSTONE weathered	bluish gray	4–5			56 / 65 / 90			
SANDSTONE somewhat weathered	medium grained — bluish gray	6–9	30 mm		100	joints are spaced 3cm ~ 5cm; joints are spaced 5cm ~ 15cm		
SANDSTONE fresh	SHALE dark grey; bluish gray	10–13				joint planes are not stained; Calcite veins 0.2cm ~ 0.3cm thick in general		
	SHALE dark gray	14				bedding dip 60°		
	SHALE dark gray	15–16				developing calcite veinlets		
		17				whole joints are not stained; Calcite veins 0.3mm thick		
	SHALE dark gray	18				Crush zone		
	SHALE dark gray	19–20				crush zone		

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASINGIN DRILL HOLE DURING DRILLING ▮

WATER LEVEL INDRILL HOLE (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

DRAWN BY

CHECKED BY

SHEET 1 OF 2

DRAWING No.

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

GEOLOGIOAL LOG OF DRILL HOLE

SAMEBOR DAMSITE, CAMBODIA. FEATURE

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

LOCATION POWER HOUSE ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	RL 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
SHALE	blackish gray	1	30 mm			brittled		
	Lifting good core	2				With no joint and cruck		
SHALE	blakish gray	3				brittled		
SANDSTONE		4			90	calcite veinlets develop 15cm thick		
		5				joints are spaced 5cm ~ 10 cm		
fresh	bluish gray	6						
SHALE	SHALE blackish gray	7				brittled		
SANDSTONE		8						
	Consists of sandstone breccia	9				disturbed zone dia 4~5cm		
fresh	CALCITE	10				calcite vein 5cm thick		
						End of hole 30m 0		
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

DRILLER
COMMONED
COMPLETED

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◂ (DATE)

PLACE TOKYO DATE MAR 1965

LOGGED BY
DRAWN BY
CHECKED BY

SHEET 2 OF 2
DRAWING No

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

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL. CAMBODIA — FEATURE RIGHT BANK
HOLE No DH-6402 — CO-ORDINATES E 612 km 210 N 1.390 km 335 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 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
SILTY CLAY	gray					With plant roots		
CLAY	Well graded plastic yellewish brown	1 2				With no grain	T-1	
CLAY	Light brown	3 4	68 mm		90			
	SILTY CLAY yellowish brown	5						
CLAYEY SAND	fine to medium grained brownish gray	6 7 8				bearing sand stone fragments		
SANDSTONE highly weathered	Crushed zone grayish brown	9 10	30 mm			intercalate clayey seam in part.		
						End of hole 10.00m		
		11 12 13 14 15 16 17 18 19 20						

DRILLER
COMMONED
COMPLETED

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE (DATE)

PLACE TOKYO DATE MAR 1965

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SHEET 1 OF 1
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 4

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGIOAL LOG DRILL HOLE

SAMBOR CANAL, CAMBODIA

HOLE No. D.H. 6403-1 CO-ORDINATES E609 km 385, N 1,386km 105 FEATURE RIGHT BANK 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 RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60
SILTY CLAY	fine grained plastic, drg.	1				with plant roots		
CLAY	mottled black to brown	2				laterite nodules dia 0.5cm~1.0cm	T-1	
		3						
	plastic, high dry strength	4				scattered laterite nodules in part		
		5	68 mm					
		6						
CLAY		7			90		T-2	
		8						
		9						
	brown	10				becoming sandy gradually dually		
	grad ational boundary	11						
		12				partially clayey	T-3	
	alternatione of	13				silt or clayey sand		
SILTY	clayey silt and	14				these bed are 10cm~		
CLAY	fine sand	15				15cm in thickness		
		16				bearing some		
		17				calcarious nodule		
		18						
		19						
	gray	20						22n/30cm

DRILLER Y.S

COMMONED 7.1.65

COMPLETED 9.1.65

EXPLANATION

CASING IN DRLL HOLE DURING DRILLING

WATER LEVEL IN DRLL HOLE (DATE)

THIN WALL SAMPLING

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 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 6403-2 CO-ORDINATES E 609 km 385 N 1 386 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 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
SILTY SAND	decomposed sand medium to fine grained brown	1	48 mm		70	inter catate silty clay in part		35 n / 30 cm
SANDSTONE	weathered	3		•		jointed		
SANDSTONE fresh	medium grained Lifting very good core gray-purplish grouy	4	30	•	100	joints and calcite Veins are very few.		
		5				End of hole 25.00		

6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

DRILLER
COMMONED
COMPLETED

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◀ (DATE)
THIN WALL SAMPLING

PLACE TOKYO DATE MAR 1965

LOGGED BY
DRAWN BY
CHECKED BY
SHEET 2 OF 2
DRAWING No

5

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI LTD (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK

HOLE No DH. 6404 CO-ORDINATES E 611 km 855 N 1,388 km 750 RL GROUND 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 CASING	DEPTH SIZE OF CORE	LOG	LIPT CORE RECOVERY %	STRUCTURES JOINTS VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60
SILT	motted brown white fine of medium grained decomposed sand	1	68 mm		90	plant roots with abundant calcareous modules dia 3 ~ 5 cm	T-1 ◀ T-2	Water Level (21. 12. 64)
SILTY SAND	yellowish gray	2				bearing fragments of sandstone		
	yellowish gray	3						
SANDSTONE	modium grained bluish gray	4	30		100	many joint planes are stained		
		5				End of hole 5.00 m		
		6						
		7						
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

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SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN.

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

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA. FEATURE RIGHT BANK

HOLE No DH 6405 CO-ORDINATES E 611 km 375 N 1388 km 135 R L 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 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
SANDY CLAY SILTY SAND	organic Soil black in general brown	1	73			With plant Roots	T-1 T-2 T-3	
						decomposed Sandstone		
SANDSTONE highly weathered	bluish gray	2 3 4	58		80	Constists of sandstone defritus		
SANDSTONE	fine to medium grained	5 6	30			calcite veins rich dip 60° or vertical		
fresh	bluish gray	7				joint placed 2~15 cm and planes are stained.		
SANDSTONE weathered	bluish gray	8				End of hole 8m		
		9 10 11 12 13 14 15 16 17 18 19 20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

THIN WALL SAMPLING ■

PLACE TOKYO DATE MAR 1965

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SHEET 1 OF 1

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 6406-1 CO-ORDINATES E 609 km 490 N 1,385 km 350 R.L. 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 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
SILTY CLAY	gray					with plant roots		
CLAY	lean stiff, dry		68		90	bearing laterite nodues dia 0.5~1.0 cm	T-1 T-2 T-3 6/1 T-4	
	mottled brown and white							
SILTY CLAY	lean, stiff half dry		58			no laterite no dules	T-5 T-6	
	bluish gray							
CLAYEY SILT	well graded grains						T-7	22 / 30cm
	bluish gray							
SILTY CLAY	gray							

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING I

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE TOKYO DATE MAR 1965

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SHEET 1 OF 2

DRAWING No

178

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 9

HAZAMA-GUMI L T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK

HOLE No DH 6406-2 CO-ORDINATES E609 km 490 N 1,385 km 350 RL GROUND 18.00

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
SAND	medium grained bluish gray	1	58		90	Transported by River action		• 13N/30cm
SANDSTONE fresh	fine to medium grained bluish gray	2 3 4	30			joints spaced 3cm to 5cm. dip 10°~20° joint planes are not stained.		
		4				End of hole 24'0"		
		5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL INDRILL HOLE (DATE)

PLACE TOKYO DATE MAR 1965

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SHEET 2 OF 2

DRAWING No

9

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 10

HAZAMA-GUMI L T D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL . CAMBOOIA FEATURE RIGHT BANK

HOLE No, D.H 6407-1 CO ORDINATES E609 km 735 N 1384 km 370 RL GROUND 19.90

LOCATION NAVGATION CHANNEL (A LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L CAGING	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
SILTY CLAY	black dry					organic	T-1	
	plastic dry	1					T-2	Water Level (2. 1. 65)
CLAY		2						
		3	68			Containing Laterite nodules dia 0.5 cm ~ 10 cm	T-3	
		4						
		5			90		T-4	
		6					T-5	
	brown						T-6	
		7					T-7	
	lean stiff plastic	8					T-8	
SILTY CLAY		9				becoming Laterisation		
		10						
		11						
	mottled brown - yellow	12						• 23 n/30 cm
		13						• 17 n/30 cm
	gradutional boundary	14						
		15						
CLAYEY SILT		16				intercalate ilayey bed in past		
		17						
		18					T-9	
	mottled brown - yellow	19						
		20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING I

WATER LEVEL INDRILL HOLE ◂ (DATE)

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 2

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA — FEATURE RIGHT BANK

HOLE No. D.H 6407-2 — CO ORDINATES E 609 km 735 N 1,384 km 370 R.L. GROUND 19.90

LOCATION NAVGATION 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	bluish gray							
CLAYEY SAND	bluish gray	1					T-10	67 N/30 cm
SAND	medium or coarse grained bluish gray	2	58			very graded		
		3						• 36 N/50 cm
GRAVEL	Pebbles are cruched by drilling	4				coarse sandstone containing pebble dia 1 cm to 2 cm		
		5			50	Pebble consists of quartz and quartzite		
		6	48					
	mottled bluish -gray to white	7						
		8						• 34 N/10 cm
SHALE		9				Some joint dip 50°		
fresh	blackish gray	10			65			
		11				End of hole 30.0 m		
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL INDRILL HOLE ◂ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 2

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 12

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

HOLE No. D.H 6408 CO-ORDINATES E611 km 470 N 1,394 km 935 R.L. GROUND 19.80 FEATURE RIGHT BANK

LOCATION NAVGATION 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
CLAYEY SILT	gray brown	1	68			With Same plant Roots		
CLAY	yellowish brown	2 3			90		T-1	
	lark brown	4 5	58			with laterite nodules grain size 0.2 cm ~ 0.3 cm with laterite nodules grain size 0.5 cm		
SILTY CLAY	yellowish gray dark brown	6 7 8 9				containing calcareous nodules dia 3 cm ~ 5 cm	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 cm to 50 cm		
		12				End of hole 12.00 m		
		13 14 15 16 17 18 19 20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRLL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

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SHEET 1 OF 1

DRAWING No.

12

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA — FEATURE RIGHT BANK

HOLE No. D H 6409 — CO-ORDINATES E611 km 480 N 1,394 km 825 R.L. GROUND 19.10

LOCATION NAVGATION CHANNEL (A. LINE) — ANGLE FROM MORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZES	R.L CASING	DEPTH SIZE OF CORE	LOG	CORE RECOVERY %	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		
CLAY	brown		58		90	bearing some Laterite nodules	T-1	
SILTY SAND	completely decomposed sandstone: fine to medium grained. brown					gradational boundary		
SANDSTONE highly weathered	bluish gray		48			bearing clayey part	T-2	
SANDSTONE weathered	bluish gray		30		100	jointed		
						End of hole 10.00m		

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN. 14

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

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK

HOLE No. D H 6410 CO-ORDINATES E 612 km 220 N 1,392 km 95 R.L. GROUND 20.80

LOCATION NAVGATION 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
SILTY CLAY	grayish brown; plasticity dry; under going laterisation	1 2 3 4 5	58		85	with plant roots; ferruginaus nodules dia 0.5 cm ~ 10 cm		39n/30cm; n cm 47/30
	brown	6						
SHALE Completely Weathered	dark brown	7 8				consists of many shole fragments.		
SHALE Highly Weathered	blackish gray	9				brittled		
SHALE OR SILTSTONE	blackish gray	10				britted; End of hole 10.00 m		
		11 12 13 14 15 16 17 18 19						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL INDRILL HOLE ◂ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 1

DRAWING No.

14

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 15

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK

HOLE No D.H 6411 CO-ORDINATES E610 km 725 N1386 km 270 R.L. GROUND 18.00

LOCATION NAVGATION 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
SILTY CLAY	Dark Gray Plastic, Dry Dark Brown	1				With Plant Roots Bearing Calcareous Nodules Dia 1cm ~ 3cm		
	Decomposed Sandstone brown	2				Sandy in part		
SANDSTONE Highly Weathered	Mottled Yellow brown	3 4	58		90	Joints are Spaced 3cm ~ 5cm and are stained		
SANDSTONE Weathered	mottled Yellow brown	5				Joints are spaced 5cm		
SANDSTONE Fresh	Yellow wish gray	6 7				Jointed spaced 10cm but no stained		
		8				End of hole 7.00m		
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◂ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN. 16

HAZAMA - GUMI L T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA

HOLE No. D.H 6412 CO-ORDINATES E612 km 125 N 1,392 km 685 R.L. GROUND 20.30

FEATURE RIGHT BANK

LOCATION NAVGATION 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	grayish black Plastic dry dark brown decomposed shale brown	1 2 3	48		90	organic soil With shale fragments in upper		
SHALE highly weathered	brown	4 5 6				Consists of shale detritus. dia 1 cm ~3 cm.		
		7 8 9 10 11 12 13 14 15 16 17 18 19 20				End of hole		

DRILLER

COMMONED

COMPLETED

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DATE MAR 1965

LOGGED BY

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SHEET 1 OF 2

DRAWING No.

16

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 17

HAZAMA-GUMI L.T.D (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBOOIA

HOLE No D.H. 6413 CO-ORDINATES E611 Km 520 N 1,389 km 405 FEATURE RIGHT BANK R.L. GROUND 20.50

LOCATION: NAVGATION 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	Grayish brown	1				with some plant roots		
	becoming lateritised	2 3 4			80	scattered some ferruginous nodules dia 0.5cm ~ 1.0cm	T-1 ◀	water level
	mohled yellowbrown	5 6 7	58					
SILTY SAND	dark brown	8 9 10 11						14/30cm
SAND	fime, or silty brown	12 13 14 15			40	containing orgamic material,		43/30cm
GRAVEL	gray	15			80	pebble dia 1cm ~ 2cm consists of chart or quartzite.		
SANDSTONE weathered	bluish gray	16 17	30		100			
SANDSTONE fresh in general	good core bluish gray	18 19 20			90	Jointed spaced 3cm to 5cm		

End of hole 20.00 m

EXPLANATION

CASING IN DRLL HOLE OURING DRILLING I

WATER LEVEL IN DRLL HOLE ◀ (DATE)

THIN WALL SAMPLING I

DRILLER Y. S

COMMONED 28.1.65

COMPLETED 30.1.65

PLACE TOKYO DATE MAR 1965

LOGGED BY

DRAWN BY

CHECKED BY

SHEET 1 OF 2

DRAWING No

17

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN 18

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
	top soil gray				with grass roots
CLAY	plastic dry strength with laterite nodules. brown	0.5, 1.0, 1.5, 2.0			shrinkge cracks open 0.5 cm every 50 cm
SILT	half dry brown	2.5			
CLAYEY SILT	bearing calcareous nodules, dia max 40 m/m wet dark brown	3.0, 3.5, 4.0, 4.5	Water level ▽		
	End of hole 5.00 m				possible to auger deeper.

HOLE MADE BY JAPAN

COMMENCED 23 1 . 65

COMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN 19

HAZAMA-GUMI, L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE 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 PLASTIC BEARING LATERETE NODULES , DIA MAX 0.5CM HALF WET BROWN	0.5 1.0 1.5 2.0			SHRINKAGE CRACKS OPEN 1 CM EVERY 50 CM
SILTY CLAY	BROWN	2.0 3.0			
SILTY SAND	LEAN . STIFF . WITH CALCAREOUS NODULES , MAX DIA 30 m/m HALF WET DARK BROWN	3.5 4.0 4.5 5.0			NO WATER FOUND
			END OF HOLE 5.00M		POSSIBLE TO AUGER DEEPER.

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

OMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI. LTD (CONTRACTORS)

20

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE No. A.H 6404 COORDINATES E 611 km 775 N 1 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	SAMPLE No.	COMMENTS
	Top soil dry, gray				
SILTY CLAY	half dry dark brown	0.5			
		1.0			
	gradually wet	1.5	Water Level		
SANDY CLAY	yellowish brown				
	decomposed sand-stone. bearing sand-stone fragments	2.0			
		2.5			
SANDSTONE weathered	brownish yellow	3.0			

End of hole 3.20m stopped by rock.

HOLE MADE BY JAPAN

COMMENCED 23 . 1 . 65

COMPLETED 23 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI. LT.D (CONTRACTORS)

21

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	SAMPLE 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 m		Stopped by pebble.

HOLE MADE BY JAPAN

COMMENCED 23. 1. 65

COMPLETED 23. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN 22

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. A H 6405 COORDINATES E 612 km 35 N 1392 km 890 R.L. GROUND 2000

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No	COMMENTS
	Top soil				Organic
	half wet brown	0.5			
SANDY CLAY	with Laterite nodules dia 40 m/m	1.0 1.5 2.0			
	grayish brown	2.5			
SANDSTONE Weathered	grayish brown	3.0			no water found

End of hole 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 611 km 50 N 1.386 km 980 R L 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				organic
	dry . brown				
SHALE	with Shale fragments	0.5			
weathered	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 . L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO A H 6407 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	SAMPLE No	COMMENTS
CLAY	dry grayish brown.	0.5			
	half wet brown	1.0			
SANDSTONE weathered	dry pale brown	1.5			no water found
		2.0			stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26. 1 .65

COMPLETED 26. 1 .65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

25

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 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 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

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO A H 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	SAMPLE No.	COMMENTS
SILT	Top soil gray				
	dry yellowish brown	0.5 1.0			
SANDY SILT		1.5 2.0			
	half wet gray or grayish yellow	2.5 3.0	water Level		
SILTY SAND	with grain dia 30 m/m yellowish brown	3.5 4.0			

End of hole 400m stopped by water

HOL MADE BY JAPAN

COMMENCED 26. 1. 65

COMPLETED 26. 1. 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI. L.TD (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. AH6410 COORDINATES E 612 km 265 N l. 388 km 235 RL GROUND 20.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No.	COMMENTS
SILT	Top Soil				drilling by spiral auger
SAND STONE weathered.	with sandstone fragments dry. buff	0.5			no water found
			End of hole 0.80m		stopped by rock.

HOLE MADE BY JAPAN

COMMENCED 26 I 65

COMPLETED 26. I 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO A H 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	SAMPLE No.	COMMENTS
CLAYEY SAND	Lean. dry buff	0.5			
SANDSTONE weathered	grayish yellow				no water found
			End of hole 0.70m		stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26 . 1 . 65

COMPLETED 26 . 1 65

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

29

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. AH 6412 COORDINATES E 609 km 945 N 1386 km 840 R.L GROUND 18.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No.	COMMENTS
	Top soil dry				
CLAY	Lean. half dry grayish brown	0.5 1.0 1.5			
SILT	yellowish brown	2.0			
SILTY SAND	bearing laterite nodules dia 50 m/m half dry yellowish brown	2.5	Water Level ▽		

End of hole 3.00 m Stopped by water.

HOLE MADE BY JAPAN

COMMENCED 26.1.65

COMPLETED 26.1.65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN 30

HAZAMA-GUMI L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. A H 6415 COORDINATES E 609 km 485 N 1.386 km 320 RL GROUND 19.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE No.	COMMENTS
CLAY	top soil	0			organic. many shrinkage Crack.
	dry brown	0.5			
	plastic with is grain half wet brown	1.0 1.5 2.0 2.5	water Level ▽		
	uniform character	3.0 3.5 4.0			
	wet. brown	4.5 5.0			

End of hole 5.00 stopped by water

HOLE MADE BY JAPAN

COMMENCED 9 . 1 65

COMPLETED 9 . 1 . 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

31

HAZAMA-GUMI L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO A.H. 6417 COORDINATES E 609 KM 540 N1. 385 KM 175 RL GROUND 18.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90°

SOIL. TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
	top soil				Rice paddy
	half wet grayish brown				many shrinkage crack
CLAY	high plasticity with no grain				
	mottled yellow-brown				
	yellowish brown				
	half wet brown				no water found
		End of hole 5.00 m			possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 7. 1. 65

COMPLETED 7. 1 65

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN 32

HAZAMA-GUMI L.T D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE No A.H 6418. COORDINATES E 609 KM 610 N 1.385 KM 370 RL GROUND 18.00

LOCATION : NAVIGATION CHANNEL ANGLE FROM HORZONTAL 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			
		2.0			
	half dry brown	2.5			no water found
		3.0	End of hole 3.00 m		possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 4 . 1 . 65

COMPLETED 4 . 1 . 65 .

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN 33

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 Lean. dry strength brown becoming Laleri-sation half dry reddish brown half wet brown	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0			Rice paddy no water found

End of hole 5.00 possine to auger deeper

HOLE MADE BY JAPAN

COMMENCED 29. 12. 64.

COMPLETED 29. 12. 64.

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN 34

HAZAMA-GUMI, L.T D (CONTRACTORS)

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	Water Level		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

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI, L.T.D (CONTRACTORS)

35

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE No. A H 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.	Organic soil plastic high dry strength brown.	0.5			Rice paddy
	half dry. brown.	1.0 1.5	Water Level ▽		
	Uniform character	2.0 2.5 3.0 3.5 4.0			
	half wet grayish brown	4.5			

End of hole 5.00m possible to auger deeper

HOLE MADE BY JAPAN

COMMENCED 2 . 1 . 64

COMPLETED 2 . 1 . 64

OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN

HAZAMA-GUMI L T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE No. A.H. 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 m/m brown	0.5			
SILTY CLAY	dry yellowish white	1.0 1.5			Used spiral anger no water found
SAND STONE weathered	dry. yellowish gray	2.0			
			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 37

HAZAMA-GUMI L.T.D (CONTRACTORS)

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	SAMPLE No.	COMMENTS
SILTY CLAY	dry brown	0.5			Recent. Levee bank
	with no Grain Uniform character.	1.0 1.5 2.0 2.5 3.0			
	reddish brown	3.5 4.0 4.5 5.0	Water Level ▽		

End of hole 5.00m stopped by water.

HOLE MADE BY JAPAN

COMMENCED 22.1.65

COMPLETED 22.1.65