SAMBOR PROJECT REPORT

Volume VIII

SAMBOR PROJECT REPORT

Lower Mekong River Basin

Volume VIII

Drill Hole Logs

OVERSEAS TECHNICAL COOPERATION AGENCY

GOVERNMENT OF JAPAN

JUNE 1969

SAMBOR PROJECT REPORT

The Sambor Project Report consists of the following eight volumes:

Volume I	General Report (1)
Volume II	General Report (2) — Sambor with Nam Ngum and Pa Mong
Volume III	Dam and Hydroelectric Power — Supplementary Material to Volume I
Volume IV	Irrigation and Agriculture — Supplementary Material to Volume I
Volume V	Navigation — Supplementary Material to Volume I
Volume VI	Fishery — Supplementary Material to Volume I
Volume VII	Basic Data — Appendix (1) to Volume III
Volume VIII	Drill Hole Logs — Appendix (2) to Volumes III and V

SAMBOR PROJECT REPORT

Lower Mekong River Basin

Volume VIII

Drill Hole Logs

Appendix (2) to Volume III and V

OVERSEAS TECHNICAL COOPERATION AGENCY

GOVERNMENT OF JAPAN

JUNE 1969

CONTENTS

A. DRILL HOLES FOR DAM AND POWERHOUSE

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site
HOLE No A-0 CO-ORDINATES E 609 Km 3, N 1,393 Km 73 R.L. GROUND 22m 8
LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY With few SILT	Color, brown. Bearing small rock fragments.		NX 1 2 3 4 5 6 7 8		100			
Fine SAND	Color, brown, with silt.		9		100			
CLAY	Sandstone fragments. Yellow, with decomposed rock fragments.		10		100	Size of rock fragments, to 5 mm.		
SHALE Weathered.	yellow; clayey due to weathering. yellow, brittled, joints are stained to brown (limonite film).		AX 1 2 3		30	Jointed, hardly weathered. clay seam 2cm thick. Jointed & weathered.		
Fine grained SAUDSTONE	Color bluish grey, Patially weathered. Somewhat clayey.		14 5		40	Jointed; joint planes stained. Calcite veinlet. (1mm thick)		
Fine grained SANDSTONE Fresh in general	Space of joints, 5-7 cm Shaly facies. Intervals of joint; 15-20 cm		6 17 8 19		100	Joints dip 45°~60° Some joint planes are coated with 1-2 mm calcite veinlets or limonite films.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS K. TANAKA
COMMENCED 11, Feb. 63
COMPLETED 15, Feb. 63

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

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

PLACE TOKYO DATE May-1963

SHEET 1st OF 2
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site
HOLE No. A - 0 CO-ORDINATES : E 609 Km3, N 1,393Km 73 R.L GROUND 22m 8
LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Medium ~ Fine grained SANDSTONE Fresh in general	Color, bluish grey.		AX			Developing calcite veinlets (thickness; 0.2 ~ 0.3 cm, intervals; 3 ~ 12 cm) Direction of veinlets are parallel to joint planes. Joints space, 15 ~ 20 or 30 cm.		
SHALE	Dark grey, dip 45°		21					
			2					
			3					
			4		100			
SHALE	Dark grey, dip 60°		5					
Fine~Medium grained SANDSTONE	Color grey. Intercalating calcite vein lets (0.5 ~ 3 mm thick spaced 3 ~ 5 cm in intervals.		6			Space of joints 20 ~ 30cm		
			7			Closely minor jointed. Crushed zone with claytilms		
SILTSTONE	Color, black		8			Joined.		
SHALE	Color black		9			Space of joints : 10 ~ 25 cm		
Fine grained SANDSTONE	Color, grey. fresh.							
SHALE	Dip of strata, 45°.		30					
			1					
	Laminated shale.				100	Space of joints : 20 ~ 40cm		
	Laminated shale.		2					
			3					
Medium grained SANDSTONE	Laminated shale.		4			Space of joints : 70 cm + Dip of joint : 50° ~ 60°. Joint planes intercalate calcite films which are somewhat decomposed.		
			5					
			6					
			7					
SHALE	Color black		8					
SHALE	Color black		9					
			40					

BOTTOM OF HOLE 40 m

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS K. TANAKA
COMMENCED 11. Feb. 63
COMPLETED 15. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Power House Site
HOLE No. A-1 — CO-ORDINATES E609 Km34, N1,393 Km 62 — RL. GROUND 21m 0
LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Very Fine SAND	Color: brown in dry, deep brown in wet. Containing organic materials.		NX 1–2					
CLAY	Color: ibid upper layer, but containing few yellow spots in it		3–6		50			
	Color yellow, bearing weathered shaly frag-ments (size: 5mm-)							
NO CORE			7		no core			
SHALE	Color yellow: hardly brittled and friable rock. Decomposed & clayey due to weathering.		8–10		40	Highly weathered.		
	Color yellow has tinged of slightly green.		AX 1		30	Shaly fragments are cemented with clay.		
	Dull yellowish grey.		2		30	Closely jointed (dip, steep)		
NO CORE					no core	Joints are stained to reddy		
NO CORE			3		20	brown by weathering.		
	Dark grey.				no core			
NO CORE			4		55	Stain of joint planes not so remarkable		
NO CORE					35			
NO CORE			5		35			
SHALE			6–7		100	Steep joints develope moderately. Joint planes are not stained. Bearing some calcite veinlets, in general.		
	Sheeted & friable.		8–20			Sheared zone.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS K. TANAKA
COMMENCED 3. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 2
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site
HOLE No A-1 CO-ORDINATES : E 609 Km34, N1,393 Km 62 RL. GROUND 21m 0
LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SHALE	Sheeted & friable.		nx 21		100	Sheared zone.		
Fine grained SANDSTONE	Color, greyish blue. Fresh in most part		2			Dip of strata : 75°~80°		
			3		100			
SHALE	Dark grey. Laminated type.		4		100	Developing cleavages.		
Fine grained SANDSTONE	Color, greyish blue. Fresh in general		5		100	Dip of strata : 75°~80°		
			6		100			
Fine grained SANDSTONE	Color, greyish blue. Rather massive feature Fresh in general.		7			Dip of strata : 75°~80°		
SHALE			8					
			9		100			
	BOTTOM OF HOLE 30 m		30					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. TANAKA
COMMENCED 3. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING NO.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site
HOLE NO. A-2' CO-ORDINATES E 609 Km 33, N 1,393 Km 52 RL GROUND 21m 5
LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY	Color ; light cocoa in dry, deep brown in wet state.		NX 1 2 3 AX 4 5 6		100			
	Color : yellow in dry, deep yellow in wet state. Bearing weathered small rock fragments.		7 8 9 10		100			
Fine grained SANDSTONE	Yellowish grey, brittled. Core recovery; very poor.		1 2		60	Joint planes are stained and intercalate clay films Hardly weathered.		
Fine ~ medium grained SANDSTONE	Greyish blue, brittled. Joint planes are not so stained.		3 4 5		70	Hardly jointed. Rock state rather fresh. from sta 13m15 to deeper. calcite vein (0.7cm thick. dip 60°) calcite vein. (0.7cm thick dip 60°)		
Fine grained SANDSTONE	Color : bluish grey. Brittled core with some clayey rock, but no impression of weathering.		6 7 8		60	Disturbed zone.		
SHAL	Black brittled. grey ; Calcite veins moderately derelope.		9 20		75	Jointed, throughout this section.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. SASAKI
COMMENCED 5. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 2
DRAWING No

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site

HOLE No. A - 2' CO-ORDINATES : E 609 Km 33 , N 1,393Km 52 RL GROUND 21m 5

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Medium grained SANDSTONE			AX 21			Joints spacing, 10-20 cm		
SILTSTONE	Dark grey.		2			Joint dip, 70°		
SHALE	Color ; black.		3					
SHALE	Color, black dip of strata, 70°.		4 5		100	Joints spacing, 25 - 40 cm.		
SILTSTONE	Color, black.		6			Steep joint, dip 80°.		
SHALE	Color, black		7			At sta 26m50 26m 548 26m62 calcite veins developing. (each thickness 3 mm)		
SHALE	Color, black dip 60°.		8			Calcite vein 2 - 4 mm in thickness.		
			9			Calcite vein 5mm thick.		
	BOTTOM OF HOLE 30 m		30			Calcite vein 8 mm thick.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS Y. SASAKI
COMMENCED 5. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING No. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Power House Site
HOLE No. A-3 CO-ORDINATES : E 609 Km 27, N1,393 Km 425 RL GROUND 21m 6
LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Very fine grained SAND	Color ; brown in dry, deep brown in wet state. Containing organic materials.		AX 1		80			
NO CORE			2 3		no core			
CLAY	Light brown, containing shaly fragments (size max. 2cm. aver. 5mm)		4		30			
NO CORE					no core			
	Bearing clay.		5		20	Highly weathered,		
	Fresh in general				100	yellow gouge 1cm thick.		
	Joints stained to yellow due to weathering		6		80	Somewhat weathered.		
Fine ~ medium grained SANDSTONE	Brittled core. Bluish grey, massive state, fresh.		7 8 9 10 1 2		100	Closely jointed. Joints spacing, 40-50cm.		
SHALE : fresh in general	Color ; bluish dark grey.		3 4 5 6 7					
Fine ~ medium grained SANDSTONE	Bluish grey, massive state, fresh.		8 9 20					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

BOTTOM OF HOLE 20mO

DRILL No. _____
DRILLERS K. TANAKA
COMMENCED 31. Jan. 63
COMPLETED 2. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Power House Site

HOLE No A - 4 — CO-ORDINATES : E 609 Km 265, N 1,393 Km 325 — R.L GROUND 20m 5

LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Very fine grained SAND	Color; brown in dry, deep brown in wet. With organic materials		NX					
CLAY	Containing some little organic materials. Color, dark brown.		1–2		100			
CLAY	Greenish yellow, Bearing no coarse grains.		AX 3–4					
SHALE	Friable & clayey.		5		40	Jointed and highly weathered		
SILTSTONE	Very fine grained, pale grejish yellow.		6		90	Weathered. Jointed & weathercd.		
SANDSTONE	Pale greyish yellow.							
SHALE	Friable & clayey.		7		50	Hardly weathered.		
SILTSTONE	Clayey, yellow. greyish yellow.							
SHALE	Black, Joints; are stained		8			Jointed but rather fresh.		
Medium grained SANDSTONE	Bluish grey, fresh state in general. Bearing calcite veins a little.		9–4		100			
	Color, green. Small spots are contained in greenish grey matrix Fresh in general. Calcite veins develope moderately sample NO. 6302210I		5–20			chloritzed.		

TEST PRESSURES SHOWN IN Kg PER Cm^2 MEASURED AT GROUND SURFACE

BOTTOM OF HOLE 20 mo

DRILL No _____
DRILLERS Y. SASAKI
COMMENCED 31. Jan. 63
COMPLETED 4. Feb. 63

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

PLACE TOKYO — DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Power House Site
HOLE No A - 4' — CO-ORDINATES E 609 Km 315, N 1,393 Km 31 — RL GROUND 20m 5
LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY	Cocoa color in dry, deep brown in wet state. Containing few plant roots.		NX 1 2 3 4		100			
	Color ; yellow. Containing weathered rock fragments							
	Yellow, clayey. and brittled.		5		70	Highly weathered & decomposed.		
NO CORE			AX					
	Yellow ~ greyish yellow, laminated, & brittled core.		6 7 8		100	Calcite veinlet. (decomposed). Weathered & disintegreted. joint dip 65°		
SHALE	Dark grey, gradually clange to stitstone. Joints spacing 5 - 20cm Generally fresh, but joint planes stain down to 9m 90.		9 10 1 2		100	Brittled rock. joint, dip 80°+. Jointed. Joint. dip 60°. Jointed dip 70° Joint plane stain. Dip of boundry. 70°		
Medium grained SANOSTONE	Grey. fresh in most part.		3 4			Jointed, joint plane stain		
SHALE	Black.		5 6 7 8		100	Joint has calcite veinlet (dip 70°). Joint. is stained. (dip 30°~45°)		
SHALE	Black.		9 20		100	Bearing calcite veinlets a little.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 5. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE TOKYO — DATE May-1963

LOGGED BY Y. Suetomi
DRAWN BY Y. Suetomi
CHECKED BY F. K.
SHEET 1 OF 2
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA
FEATURE Power House Site
HOLE No A-4 CO-ORDINATES : E 609 Km 315, N 1,393Km 31 RL GROUND 20m 5
LOCATION
ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SHALE			AX		100	Developin colcite veinlets veinlets refuse cracks.		
SHALE	black		21					
SANDSTONE	Fine grained							
SHALE	black		2					
SANDSTONE	Grey, fine grained.							
SHALE ~ SILTSTONE	black		3					
SANDSTONE	Medium grained.							
SHALE ~ SILTSTONE	black		4					
SANDSTONE	Fine grained.		5		100			
SILTSTONE	black							
Fine grained SANDSTONE			6					
			7			Jointed (steeply angled)		
SILTSTONE ?	black		8					
			9			Vertical joint, Joint plane intercolates calate vein. (3mm thick).		
			30					
	BOTTOM OF HOLE 30m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. OKADA
COMMENCED 5. Feb. 63
COMPLETED 9. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING No

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Power House Site
HOLE No. A - 5 — CO-ORDINATES : E 609 Km 26 , N 1,393Km 23 — R.L. GROUND 20m 7
LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Very fine grained SAND	Color : brown in dry, deep brown in wet, Containing organic materials		NX 1		100			
CLAY	Dark brown. Containig organic material sorne little		2 AX 3 4		100			
	Yellowish reddy with spots derived from weathered shaly rock; bearing calcitic grains.		5 6					
Very fine grained SANDSTONE	Bluish grey, fresh in general		7 8 9 10 1		100	Joint s spacing, 5 - 10 cm		
	More coarse grained than upper layer,		2			Weathered calcite vein		
Alternation of Fine graned SAND STONE & S H A L E	Shale, black		3		80	calcite vein (15 cm thick) Pyritized anits periphery.		
	Fine grained sandstone, grey		4			closely jointed		
	Shale, black.		5			Brittled & crushed Bearing calcite veins. lets, in plenty.		
	Moderately jointed.		6			Shar zone, dip steepy and cemented with calcite veinlets.		
	Sandstone . pale grey calcite vein (thick 2cm)		7 8		100	Brittled & crushed, bearing calcite veinlets in plenty.		
	Shale : color block; Containing calcite veinlets, in plenty.		9 20			Jointed. Brittled, bearing calcit veinlets; much.		

BOTTOM OF HOLE 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 31. Jan. 63
COMPLETED 4. Feb. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Isetomi
DRAWN BY H. Isetomi
CHECKED BY F K.
SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Spillway Site

HOLE No B - 1 CO-ORDINATES : E 608 Km 91 , N 1,393 Km 21 RL GROUND 23m 4

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION _____

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY	Color ; pale brown. Containing few clay.		NX 1		100			
	Reddy brown lateritic.				100			
	Reddy yellow. Containing dull white irregular shaped patches.		2 AX 3					
	Yellow - dull yellow. Containing small rock fragments partially.		4		100			
SHALE	Yellow, brittled core.		5		65	Highly weathered.		
SANDSTONE	Bluish grey.		6			Weathered.		
	Yellow, brittled.					Weathered.		
SANDSTONE	Bluish grey.		7			Joint with clay (0.3cm thick) dips 50°.		
Medium grained SANDSTONE Fresh in general	Bluish grey Sand & fresh in general.					Joints spacing, 20~30 cm.		
	Dull yellow shale.		8			Brittled & weathered.		
	Black shale.		9			Jointed.		
						Joint with clay (0.3cm thick) dips 70°		
SHALE	Black.		10			Dip of strata : 20°~30°		
Alternation of SHALE or SILTSTONE and Fine grained SANDSTONE	Color ; shale or siltstone black, sandstone dark grey. Fresh in most part.		11 12 13 14 15 16		100	Joints spacing, 20~40 cm. Joints spacing, 1m or so.		
SHALE	Color, black. Fresh in general.		17 18			Joints spacing, 20~90 cm.		
medium grained SANDSTONE	Greenish dark blue. Fresh in general		19 20					

BOTTOM OF HOLE 20 m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS Y. SASAKI
COMMENCED 12. Feb. 63
COMPLETED 14. Feb. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Spillway Site

HOLE No B - 2 — CO-ORDINATES : E 608 Km 55 , N 1,393 Km 2 — RL. GROUND 20m 1

LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SILT	Dull brown.		NX					
CLAY	Yellowish Khaki. Containing white silty lamina.		1					
	Greyish dull yellow. Containing weathered shaly fragments and pebbles.		2		100			
			3					
	Clayey. Dull greyish yellow in color.		4			Highly weathered & decomposed.		
	Color, dull greyish yellow. Partially clayey & brittled.				100	Jointed & weathered. clayey zone 5cm		
	Dull greyish yellow.		5					
	Brittled core.		AX 6			Joints are stained. Brittled & clayey.		
SHALE or SILTSTONE						Joint, dip 50°.		
	Color. dark grey.		7					
Fresh in general	Somewhat weathered.		8			Clayey. Joint spacing, 5 ~ 15cm. Dip of joint, 60°		
			9			Joint spacing, 2 ~ 5cm.		
			10					
			11		100	Sheared zone, 10cm.		
SANDSTONE	Bluish grey, fine grained		12			Sheared zone, 5cm. Sheared zone, 10cm		
SANDSTONE	Bluish grey, fine graned.		13					
			14			Clay seam, 1cm thick. Joint spacing, 5 ~ 10 cm.		
SHALE	Black. dip of 60°.		15					
SHALE	Black. dip of 60°.		16					
FINE GRAINED SANDSTONE	Bluish grey, fresh in most part.		17			Joint spacing, 15 ~ 40 cm.		
SHALE	Color, black. Dip of strata 50~60°.		18			Joints are not stained		
SILTSTONE	Deep grey.		19					
			20			Jointed zone.		

BOTTOM OF HOLE 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 12. Feb. 63
COMPLETED 13. Feb. 63

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

PLACE TOKYO — DATE May - 1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Spillway Site

HOLE No B-3 — CO-ORDINATES E 608 Km 26, N 1,393 Km 19 — RL GROUND 17m 8

LOCATION _____ — ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY	Light brownish grey in dry, dull coffee color in wet state.		NX 1		100			
NO. CORE			2		no core			
CLAY	Color, whitish grey. Containing some-little sand.		3					
			4		100			
	Yellow in dry, khaki in wet state. Bearing some sand & few small pebbles.		5					
			6		100			
NO CORE			AX 7		no core			
SLTY SAND	Fine-medium grained with few quartz pebbes; Yellowish brown.		8		20			
NO CORE					no core			
			9			Hardly jointed.		
NO CORE			10		100	crushed zone.		
					no core			
PORPHYRITE or Fine ~ medium grained SANDSTONE	Dark greenish grey, developing calcite veinlets and films, much, Rock state fresh in general. Core shows fragmental state (long 1~1.5cm) and clayey in some part. sample NO. 630200l		11					
			12			Jointed.		
			13			Jointed.		
			14		100			
			15			Hardly crushed & developing calcite veinlets.		
Fine grained SANDSTONE	Color, dark grey in sandstone, black in shale. Porphyrite?		16			at sta 16m40 16m538, 16m74 joints with calcite veinlets. dip 45°, 30°~40° & 30°~40° 1.2cm thick		
			17		100	Friable rock.		
NO CORE						Brittle & somewhat clayey.		
			18		no core	Brittle.		
	Porphyrite ? Pale greenish grey or blush grey.		19		100	Brittled & somewhat clayey. Jointed & sliped.		
			20		100	Hardly jointed.		

BOTTOM OF HOLE 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 18. Feb. 63
COMPLETED 21. Feb. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Spillway Site
HOLE NO B-4 — CO-ORDINATES E 609 Km 06, N 1,393 Km 22 — RL GROUND 20m 8
LOCATION _____ — ANGLE FROM HORIZONTAL 60° — DIRECTION N 70 W

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
FAT CLAY	Bearing no coarse grain. Color yllowish brown.		nx 1		100	Cohesive.		
DIORITE	Granitic feature. sample NO. 6302801		ax 2	×	100	Joints are somewhat stained — Joint. — Joint.		
	Decomposed & clayey.		3	×	80	Highly decomposed.		
NO CORE			4					
	Color green. Phenocryst of felspar & hornblend are remarkable. Fresh in general. sample NO. 63021802.		5 6 7	×	70 90	Weathered Joint spacing, 20~40cm.		
NO CORE								
SILTSTONE	Deep yellow brittled		8		100	Hardly weathered.		
Fine grained SANDSTONE	Color. gery, Brittled & sheeted shale.		9			Steeply dipped joint.		
SHALE & SILTSTONE	Grey. Fresh in general, siltstone jointed.		10 11		100	Britted calcite veinlets contain. Clayeg (3cm thick). Sheared zone (clayey). Jointed.		
Fine grained SANDSTONE	Fresh in general.		12			Joint spacing 10~15cm dip 65° Calcite vein 0.5cm dip 30°. Stained joint, dip 85°		
DIORITIC PORPHYRITE	Color, green. Phenocryst of felspar & hornblend are remarkable. Fresh in general.		13 14	×		Stained joint, dip 80°		
SANDSTONE	Fine grained dark grey.		15					
SHALE	Color, dark grey. rock somelittle sound, as result of effect of porphyrite Intrusion. BOTTOM OF HOLE 20 mo		16 17 18 19 20		100	Brittled & bearing calcite veinlets. Joint spacing, 5~10cm. Joint, with quartz vein, dip 60°. Joint, dip 50° Joint, dip 45° Calcite veinlet 6mm dip 30° Jointed with calcite veinlet.		

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL NO _____
DRILLERS K. TANAKA
COMMENCED 17. Feb. 63
COMPLETED 19. Feb. 63

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

PLACE TOKYO — DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Spillway Site

HOLE No B-5 — CO-ORDINATES : E 607 Km 76, N 1,393Km 16 — RL GROUND 21m 1

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SAND	fine grained grey.		NX					
FAT CLAY	Color orange yellow. moderately moistured		1					
SILTY CLAY	color. khaki.		2					
	color, whitish grey.		3					
SILTY SAND	color, khaki. sand grain, fine ~ medium		4		100			
CLAY	light khaki. cobr		5					
Fine SAND	khaki. sand grain, medium ~ fine,		AX 6					
Medium grained SAND with pebbles	color, light khaki. pebble round quartz (Ø 1cm)		7					
			8		80			
Fine grained SANDSTONE	color, pale blue.					weathered & friable.		
			9		80			
SHALE	black ~ dark grey clayey & friable					dull yellow clay 5cm thick. hardly weathered		
	dark grey		10			weathered partially. jointed		
	yellowish grey.		11					
	shaly facies.		12		90			
			13			Hardly jointed.		
SANDSTONE	dark green colored, showing effect of metamorphism		14		100	calcite vein developed. dip 45° Hardly jointed. Joint planes have not stained.		
	deep green fresh in general		15					
			16			joint with calc. vein. dip 80° joint with calc vein (1cm thick) dip 70°		
			17		50	Disturbed with network of of calcite veins brittled		
PORPHYRITE OR chrolitized SANDSTRONE	color green. jointed with calcite veinlets. fine grained. dark grey		18			calcite vein 1cm thick. joints, dip 65°, dip 80° calcite vein 1.5mm thick		
SANDSTONE	brittled core		19		100	joint with calcite dip 30° vein 0.5 cm thick. dip 60°~90° decomposed calcite veins (disturbed zone)		
			20					

BOTTOM OF HOLE 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS K. TANAKA
COMMENCED 20. Feb. 63
COMPLETED 23. Feb. 63

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

PLACE: TOKYO — DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No. C-1 CO-ORDINATES E 607 Km 26, N 1,393 Km 14 RL. GROUND 32m 4

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
FINE SAND with some SILT	Light yellow in dry light, brownish yellow in wet.		NX 1					
	Yellow in dry, Khaki in wet state.		2		100			
Lateritic CLAY	Brown in dry, reddy chocolate in wet.		3					
	Brown color in dry, clear brownish red in wet state, Bearing white lamina or irregular shaped patches,		4		100			
	Pinkish red in dry, bearing whitish patches		5					
CLAY with few SAND grains	Color reddy brown with whitish patches.		6					
Fine~medium grained SAND	Yellow in dry yellowish brown in wet state. Bearing few silt.		7					
			8		100			$k = 3.5 \sim 1.3 \times 10^{-4}$ cm/sec
			9					
			10					
	Brownish red in wet state, sand grain is fine.		AX 11		100			
			12					
SILTY SAND	Brown has tinge of slightly yellow in it, sand grain is fine.		13					
	Sand grain is medium~fine. White		14					$k = 7.0 \times 10^{-6}$ cm/sec
	Containing well rounded & polished quartz pebbles (ø 1cm) a little.		15					
			16		100			
			17					
Medium grained SAND	Light yellowish brown, containing few coarse grains (ø 1mm).		18					
coarse grained SAND	Light yellowish brown containig debris of		19					$k = 9.5 \sim 9.1 \times 10^{-4}$ cm/sec
			20					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS Y. SASAKI
COMMENCED 18. Feb. 63
COMPLETED 29. Feb. 63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◀ (DATE)
COEFFICIENT OF PERMEABILITY ; K

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 2
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE NO C-L — CO-ORDINATES E 607 Km 26, N 1,393 Km 14 — RL GROUND 32m 4

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
			1					
Coarse grained SAND	quartz and porphyrite. (ø 1cm)		AX		100			
HORNBLEND PORPHYRITE	Slimy state with small pieces of rock.		21	> < >	slime	Highly weathered.		
	Bearing few or some calcitic veinlets sample 6302270l		22	< > <	100	Hardly pinted & clayey due to weathering.		k = 1.8 x 10⁻³ cm/sec
	Fine grained fresh in general.		23	>	100	Jointed.		
Fine grained SANDSTONE	Grey. pale grey.		24		80	Calcite veins spacing, 5~10 cm, dip of veins 80°		
	BOTTOM OF HOLE 25 m 0		25					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS Y. SASAKI
COMMENCED 18. Feb. 63
COMPLETED 29. Feb. 63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◀ (DATE)
COEFFICIENT OF PERMEABILITY ; K

PLACE TOKYO — DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA
FEATURE Right Bank
HOLE NO C-2 CO-ORDINATES E 606 Km 78, N 1,393 Km 12 RL GROUND 26m 3
LOCATION
ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SILT	Pale whitish grey, containing plant roots		NX 1		100			
	Color, white has tinge of orange partially.		2		100			
CLAY	Light reddy brown, somewhat lateritic.		3		100			
	Brownish red, lateritic feature, compact,		4		100			
	Whitish milk, Bearing few silt & sand.		5 6		100			
Fine ~ medium grained SAND	Grain shows finer toward deeper part! Yellowish brown ~ brown, Bearing quartz round pebbles(dia. to 1 cm), very few to rare.		7 8 9 10		100			k = 7.2 ~ 6.7 x 10⁻⁵ cm/sec
	White clayey zone. (5 cm thick)		11 12 13 14 15					k = 9.4 ~ 7.9 x 10⁻⁴ cm/sec
	Containig well round pebbles of quartz. Somewhat clayey seam (thickness 4 cm) reddy grey.		16 17 18					
coarse grained SAND with some pebbles	Color, yellow Pebbles well rounded quartz & silicious rock (ø 2cm ~ 1cm).		AX 19 20					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. OKADA
COMMENCED 23. Feb. 63
COMPLETED 4. Mar. 63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING
WATER LEVEL IN DRILL HOLE ◀(DATE)
COEFFICIENT OF PERMEABILITY : K

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 2
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No C - 2 CO-ORDINATES E 606 Km 78 , N 1,393 Km 12 RL. GROUND 26m 3

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
NO CORE	Drilling with rod. Imagining : Same state from sta. 17m65 to sta 20m00		AX 21 22 23 24 25 26 27		no core			
	BOTTOM OF HOLE 27m75							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 23. Feb. 63
COMPLETED 4. Mar. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 2 OF 2
DRAWING No. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE No C - 3 — CO-ORDINATES E 606 Km 47, N 1,393 Km 11 — RL GROUND 25m 8

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SILT	Color white contained orange spots		NX 1		100			
CLAY	Progressive lateritization.		2					
	Weak lateritization.		3					
			4					
SILT	Color, yellow.		5					
pure CLAY	Brownish red.		6					
	with white spots.							
	Containing white ~ yellow spots.		7		100			$K = 8.0 \sim 7.2 \times 10^{-6}$ cm/sec.
			8					
			9					
			10					
	Reddish brown ~ yellowish brown.		11					
silty SAND	Dull yellow. containing quartz pebbles, few(Ø 1cm common).		12					
CLAY	Dull yellow.				80	Weathered & jointed. Joints faces stained.		
fine~medium grained SANDSTONE	Dull yellow.		13					$K = 1.1 \times 10^{-3} \sim 9.3 \times 10^{-4}$ cm/sec
	Bluish pale grey.		AX			Somewhat weathered. joints faces stained.		
SHALE	Dull yellow grey.		14					
medium grained SANDSTONE	grey, jointed (dip 70°)							
	dull yellow.		15			Dull yellow, clayey due to weatnering		
SILTSTONE	Developing stained joints.					Joint spacing, 5 ~ 10 cm. dip, 60°~80°		
	Color, grey.		16					
	SILTSTONE, dark grey.					dip of strata, 60°		
medium grained SANDSTONE.			17		100			
	SILTSTONE, dark grey.		18					
freh in general								
			19			Calcite vein (8cm thick). Tightly contact. dip 70°		
	BOTTOM OF HOLE 20M 0		20					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS K. TANAKA
COMMENCED 24.Feb.63
COMPLETED 26.Feb.63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◀(DATE)
COEFFICIENT OF PERMEABILITY ; K

PLACE: TOKYO — DATE: May-1963

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

SHEET 1 OF 1
DRAWING No. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No C-4 CO-ORDINATES E 605 Km 98, N 1,393Km 1 RL.GROUND 22m.7

LOCATION ANGLE FROM HORIZONTAL 90 DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty CLAY	Yellow with tints prle grey. Lateritic nodule layer. Color, yellow with white spots.		NX 1 2 3 4		100			K=3.8 x 10^{-4} ~ 3.2 x 10^{-5} cm/sec
Clayey SILT	Color, brown with pale green or yellow spots		5 6		100			
Sandy SILT	Dull greyish brown		7		100			K=2.8~16 x 10^{-4}
Silty SAND	Color, pale greenish brown.		8 9 10		100			
CLAY	Yellow fat clay.							
SILTSTONE in most part.	Color. black Gouge (1~2 cm thick) Fresh in general		AX 1 2 3 4 5		100	Highly weathered closely jointed Weathered & jointed. Joints spacing, 10~15cm dip 60° Hardly weathered & crushed. Somewhat weathered Joint, dips 60° Joint, dips 70° Joint dips 80° Joint dips 65°		
fine grained SANDSTONE in most part.	Color dark grey fresh in general. Dark colored SHALE Dark colored SHALE Dark colored SHALE		6 7 8 9 20		100	Calcite veinlet (0.2cm thick dip 45°) Calcite veinlet (0.2cm thick dip 50°) Sharp bedding with calcite film. dip 80°		

TEST PRESSURES SHOWN IN Kg PER Cm^2 MEASURED AT GROUND SURFACE

Bottom of Hole 22m 0

DRILL No.
DRILLERS F. OKADA
COMMENCED 5. Mar. 63
COMPLETED 8. Mar. 63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▮
WATER LEVEL IN DRILL HOLE ◀ (DATE)
COEFFICIENT OF PERMEABILITY ; K

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No. C - 5 CO-ORDINATES : E 605 Km 44, N 1,393 Km 08 RL. GROUND 24m 3

LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	Color, pale white with pinkish spots.		NX 1		100			
Silty CLAY	Color yellow Bearing limy nodule in small quantity. Some what sandy. Bearing yellow weathered small sandy debris.		2 3 4 5 6		100 100 100 100			K = 9.0 ~ 60 x 10^{-5} cm/sec.
medium grained SANPSTONE	Color, yellow. Color, pale greyish blue. gouge (thick 1cm)		7 AX			Hardly weathered. Somewhat weathered hardly jointed joint planes are staining		K = 2.7 ~ 12 x 10^{-4} cm/sec
medium grained SANDSTONE	Color, grey. Dark grey SHALE dip 60° Fresh in general.		8 9 10		100	Joints are somewhat stained Joint dips 80° Joint dips 70° brittled Hardly jointed. Fresh in general. Calcite vein (6cm thick)		
SILTSTONE	Calcite vein dip 60° hardly jointed Color, black.		1 2		80	Joint with calcite vein dip85° Calcite vein dip 70° Jointed Calcite vein develope & jointed		K = 7.9 ~ 58 x 10^{-4} cm/sec.
SILTSTONE	Color, dark grey Dip of layer, 30°		3 4		100 100 100			
SILTSTONE edium grained SANDSTONE	Dark grey Color. bluish grey Fresh state. Calcite vein (0.5cm thick) dips 20°.		5 6 17		100	Calcite vein (7cm thick). dip 30° tightly contacted. Joint, dip 80°, joint plane, fresh.		K = 1.3 x 10^{-3} cm/sec

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. SASAKI
COMMENCED 3. Mar. 63
COMPLETED 7. Mar. 63

EXPLANATION
CASING IN DRILL HOLE DURING DRILLING ▼
WATER LEVEL IN DRILL HOLE ◀ (DATE)
COEFFICIENT OF PERMEABILITY; K

PLACE TOKYO DATE May-1963

LOGGED BY H. Isetomi
DRAWN BY H. Isetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No C – 6 CO-ORDINATES E 604 Km 88, N 1,393 Km 05 RL GROUND 27m 8

LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
CLAY	Yellowish brown with orange or white spots, bearing lateritic nodules		NX 1					
	Color deep yellow							
	Yellow matrix with whitish grey lamina.		2		100			
	Color. deep yellow, bearing few white limy small nodule.		3					
medium grain SANDSTONE.	Brown, in color, decomposed to clayey,		4		100	Highly weathered.		
	Yellow joint. plane. stain		AX 5		100	Jointed & weathered		
	Black SHALE dip 70°							
	Black SHALE dip 60°		6			Bedding planes intercarate calcite veinlets (0.5cm thick) Conected very highly & well fused		
medium ~ fine grained SANDSTONE fresh	Medium ~ fine grained SANDSTONE dark bluish grey in color		7					
	Black SHALE, dip 80°							
			8		100			
	Black SHALE dip 45°-60°							
	Black SHALE. dip 45°-50°		9			Joint with calcite vein (0.7cm thick), joint plane stained (dip 60°)		
			10			Somewhat jointed. joint spacing 3 ~ 1cm.		
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. SASAKI
COMMENCED 2. Mar. 63
COMPLETED 3. Mar. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No D - 1 CO-ORDINATES E 604 Km 4, N 1,393 Km 46 RL GROUND 30m 2

LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
LATERITIC LAYER	Color, reddy brown. lateritic nodules(Ø 1cm) much.		NX 1		100			
CLAY	Color, yellow with spots of decomposed lime.		2		100			
FAT CLAY	Color yellow, bearing pale bluish white spots		3					
SILTSTONE	Color yellow, bearing pale blueish grey or yellow shaly debris. in abundance.		4		100	Highly weathered & Jointed.		
	Color, yellow.		5 AX		30			
medium~fine grained SANDSTONE	Fine grained. Pale yellowish green SILTSTONE		6 7 8		80	Somewhat weathered. & jointed (joint spacing 5-15 cm) shear zone. clayey. joint plane not so stain. clay 5 cm, dip 20°		
	Dark grey in coloy moderately jointed. fresh state.		9 10		100	stained joint, dip 25° stained joint, dip 75°		
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS K. TANAKA
COMMENCED 27. Feb. 63
COMPLETED 28. Feb. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Isetomi
DRAWN BY H. Isetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE No D - 2 — CO-ORDINATES E 603 Km 06 , N 1,394 Km 28 — RL GROUND 31m 1

LOCATION _____ — ANGLE FROM HORIZONTAL 90 — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SILTY SAND	Grey Pale brown		NX		100			
Lateritic layer	Dark brown ~ brown. Matrix reddy brown clay.		1		100			
SILTY CLAY	Deep yellow ~ orange. Bearing white spots				100			
CLAY	Color, yellow. Bearing pale greenish white spots.		2 3					
	Bearing small size debris of pale whitish grey siltstone.		4		100	Containing limy nodules.		
SILTSTONE weathered	Color. dull yellow Joints pre-stained to dark brown.		5		100	Highly weathered & jointed.		
			6		80			
	Pale yellowish grey		AX		80	Weathered		
	Yellow core brittled & clayey		7		45	Hardly jointed & weathered		
	Dull dark grey, joints. somewhat staining.				80	Rather fresh		
	Brittled core pale yellow in some part)		8		80	Highly weathered & jointed.		
	Pale yellowish grey brittled zone (10cm)				100	Stained joint dips 80° Somewhat stained joint, dip 35°		
SILTSTONE fresh	Dark grey in color.		9			Joint; dip 60°, no stain.		
			10		100			
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS K. TANAKA
COMMENCED 1. Mar. 63
COMPLETED 2. Mar. 63

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

PLACE: TOKYO — DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No D - 3 CO-ORDINATES : E 603 Km 60 , N 1,395 Km 10 RL GROUND 33m 7

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
LATERITIC NODULE LAYER	Diameter of nodule 0.7-0.4cm Surface dull grey		NX		100			
Silty CLAY	Color, yellow. Bearing some white spots.		1 2 3		100			
CLAY	Color, yellow. Bearing white spots. Containing few sand pale greenish grey seam 5cm thick		4 5		100			
SANDSTONE	Color pale greenish grey Surface stain yellowish Clayey, so much.		6		100	Highly weathered decomposed & disintegrated		
Fine grained SANDSTONE	Britted core. Color, pale greenish blue.		7		85	Highly weathered & jointed		
PORPHYRITE?	Color, pale greenish green.				100	Weatherd. developing calcite veinlets. SAMPLE. 63031002		
SILTSTONE	Color, pale bluish grey.		8			Closely hair jointed. friable.		
Fine grained SANTSTONE	Color, pale blue. Somewhat fresh state		AX 9		100	Calcite vein 0.5cm. dip 60° Hardly jointed. Joint spacing, 10 - 3cm Throughout hole & stained.		
SILTSTONE	Color, dark grey.		10					
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. _____
DRILLERS K. TANAKA
COMMENCED 2. Mar. 63
COMPLETED 3. Mar. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank
HOLE No D-4 CO-ORDINATES : E 602 Km 93 , N 1,395 Km 88 R.L.GROUND 34m·9
LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
LATERITIC NODULE LAYER Fat CLAY	Color. yellow with white spots. Bearing small limy nodules (Ø 0.5cm –) Somewhat silty		NX 1 2 3		100 100			
Silty CLAY SILT	Color pale yellow with white spots (in limy part) Dull yellow clayey Bearing weathered small debris.		4 5		100 100			
Very fine grained SANDSTONE	Brittled core recovered. color, pale grey, surface shown dull yellow.		6 7		25	Highly weathered & jointed.		
SILTSTONE	dark grey Jointed core length, 1 to 3cm. max. 5cm. Developing calcite veins. Color. dark. grey dip 80° joint plane stain.		8 AX 9 10		100 100 100 100	Somewhat weathered. Weathered. Moderately fresh.		
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K.TANAKA
COMMENCED 4.Mar.63
COMPLETED 5.Mar.63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY K Isetomi
DRAWN BY K Isetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank
HOLE No D - 5 — CO-ORDINATES E 602 Km 52, N 1,396 Km 80 — RL GROUND 35m9
LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
LATERITIC NODULE LAYER	Size of nodules ; 1-0.5cm dia. Color. brownish red~orange.		NX 1		100			
FAT CLAY	Color reddy brown-orange. Containing white spots much		2					
Silty CLAY	Color. yellow containing few white spots Somewhat sandy.		3		100			
SILTSTONE	yellow~dull yellow, clayey.				100	Highly weathered & decomposed		
SILTSTONE	Color. dull yellow. Jointed & stained Core recovered as pieces		4 AX 5 6 7		80	Very friable & hardly jointed. → dull yellow clay, 10 cm thick → Gellowish clayey, 15 cm. thick.		
very fine grained SANDSTONE	Dark grey. moderately fresh in general.		8 9 10		90	Jointed: core length, 5 - 1 cm. Joints are stained to brownish. → Calcite vein 1.2cm thick, dips 70° with 2cm gouge.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS K. TANAKA
COMMENCED 5.Mar.63
COMPLETED 6.Mar.63

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

PLACE: TOKYO — DATE: May-1963

LOGGED BY K. Iwatomi
DRAWN BY K. Iwatomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Left Bank
HOLE No D — 6 CO-ORDINATES : E 611 Km 17 , N 1,396 Km 43 RL. GROUND 22m 7
LOCATION _____ ANGLE FROM HORIZONTAL 90 DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
SILT	With few plant roots Slightly sandy. Slightly sandy. Color, brown. Containing yellow spots in some part.		NX 1 2 3 4 5 6		100			
medium grained SANDSTONE CLAYSTONE NO CORE	Color. yellow joint plane staining, clayey. Color yellow Clayey. Yellow & brittled Color yellow.		7 8 9			Highly weathered & decomposed. Highly weathered. Weathered & brittled Weathered. Clayey decomposed.		
NO CORE NO CORE	Dull yellowish brown.		10 1 2		NO CORE NO CORE	Clayey decomposed. Weathered.		
NO CORE NO CORE fine grained medium grained SANDSTONE NO CORE SILTSTONE NO CORE	Greenish ~ yellowish. Dull grey. Fresh in general. grey. Fine grained facies 5cm Fine grained SANDSTONE Dark grey dip 30° Core brittled in most part.		3 AX 4 5 6 7 8 9 20		NO CORE 100 100 70	Weathered, hardly jointed. Core brittled. Joint dips 85° Joint dips 50° Joint dips 85° Joint. dips 70° Joints are stained down to sta. 13M 50. Hardly jointed. Jointed. Hardly jointed. Jointed Hardly jointed.		

Bottom of Hole 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS F. OKADA
COMMENCED 15. Mar. 63
COMPLETED 17. Mar. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE No D-6 — CO-ORDINATES: E 611 Km 74, N 1,395Km 64 — R.L. GROUND 20m 7

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	Color. orange yellow. Bearing lateritic nodules.		NX					
	Color. deep yellow.		1					
Clayey SILT	Color. pale yellow.		2					
			3		100			
Silty SAND	Color. deep yellow., Bearing weathered debris							
	Jointed, color, brown		4					
SANDSTONE	Color, pale green.							
	Hardly brittled & jointed. Clayey in some part. pale yellow ~ grey.		5			Highly weathered		
			AX					
			6		25			
rather Coarse grained SANDSTONE	Color. bluish grey Core cleaving 3 - 4cm in tervals from bedding.		7			Moderately fresh state jointed & stained		
			8		75	Stained joint, dip 25°		
	Bluish grey in color.		9			Stained joint, dip 80°		
						Stained joint, dip20°-30°		
			10			Jointed core cut in 1~5cm & stained		
pale bluish grey. medium grained SANDSTONE.	Conglomeratic facies SAMPLE. 6303 1701 Medium grained SAND STONE bluish							
			1		100	3cm calcite vein. Sta. 10M 83 2cm fault breccia.		
	Conglomeratic facies. Somewhat altered due to intrusion of calc.veins					1cm calcite vein, dip 25°		
rather Coarse grained SANDSTONE	Conglomeratic facies. Bluish grey.		2					
			3					
			4					
			15					
	Bottom of Hole 15m 0							

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS Y. SASAKI
COMMENCED 15. Mar. 63
COMPLETED 16. Mar. 63

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

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

PLACE TOKYO — DATE May 1963

SHEET 1 OF 1
DRAWING No _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE NO D-7 — CO-ORDINATES : E 612 Km 11, N 1,396 Km 87 — R.L. GROUND 22m·7

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST : LITER PER MINUTE LOSS
Silty SAND	Pale grey, with plant roots Color, yellow, Lateritic nodule layer Color, deep yellow.		NX					
Silty SAND	Color, pale yellow. Containing weathered yellow or pale blue sandstone fragments		1 2 3					
	Very fine grained Color, dull grey partially yellow.		4 AX			Jointed. Core length, 1-3 cm.		
fine grained SANDSTONE.	Color, dark grey, fresh state		5 6 7 8 9 10		100	Stained joint, dip 45° Joint with calcite film dip 50° Joint with calcite film dip 60° Joint, dip 70° Joint, dip 80°		
			1 2 3 4 15			Joint, dip 45° Calcite veinlet 0.2 cm dip 80° well fused. Joint, dip 45° Joint, dip 65° Joint, dip 40° Joint, dip 45°		
	Bottom of Hole 15m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL NO _____
DRILLERS K. TANAKA
COMMENCED 14. Mar. 63
COMPLETED 15. Mar. 63

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

PLACE: TOKYO — DATE: May 1963

LOGGED BY H. Iwatomi
DRAWN BY H. Iwatomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING NO _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right Bank

HOLE No D - 8 CO-ORDINATES : E 612 Km 75, N1,397 Km 60 RL GROUND 23m 8

LOCATION _____ ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	with plant roots. Pale white with yellow spots few.		NX 1					
Clayey SILT	Dull brownish yellow.		2		100			
	Color, yellow.							
SANDSTONE	Color, yellow due to high degree weathering.		3					
NO CORE								
	Yellowish brown		4		50	Completely decomposed		
	Dark grey, has tinged of yellowish brown in it.		AX 5		100	Somewhat weathered. Joint spacing 4 – 15 cm		
	Color, dark grey.		6		90	Joints are stained.		
medium grained SANDSTONE	Fresh in general.		7			Hardly jointed. Core shows fragments dip approx. 70°		
	Color, dark grey, fresh state.		8		100	Joint, dip, 65°		
	black SHALE		9			Joint, dip 60°		
	black SHALE.		10			Joint, dip 70°		
	Bottom of Hole 10m 0					Joint, dip 70°		
						Joint, dip 60°(stained)		
						Joint, dip 45°		
						Joint, dip 45°(stained)		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS K.TANAKA
COMMENCED 15.Mar.63
COMPLETED 16.Mar.63

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

PLACE TOLYO DATE May-1963

LOGGED BY K. Suetomi
DRAWN BY K. Suetomi
CHECKED BY F.K.
SHEET 1 OF 1
DRAWING NO. _____

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA — FEATURE Right Bank

HOLE No. D - 9 — CO-ORDINATES E 613 - Km 38, N 1,398Km 38 — RL. GROUND 29m 9

LOCATION _____ — ANGLE FROM HORIZONTAL 90° — DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	Color, greyish orange.		NX 1					
	Color, yellow. Compact state.		2					
	Color, fair yellow or orange. Bearing sandstone fragments.		3		100	Limy solution cemented.		
medium grained SANDSTONE	Color, brownish yellow - yellow. Joints are stained.		4 5			Highly weathered. Sedentary soily in some part.		
	Color, yellowish brown. Joint plane stained. Recovered core are into small fragments.		AX 6		55	Highly weathered & hardly jointd.		
			7		30			
fine grained SANDSTONE	Color, bluish grey, fresh in general.		8		55	Jointed. Joints are stained		
			9			Joint spacing, 10-15cm. joint with calcite vein dip 70° Steep angled joint		
coarse grained SANDSTONE	Color, bluish grey. Texture, microgranitic.		10 1 2 13		100	Horizontal calcite vein Joint spacing, 5-10cm		
	Bottom of Hole 13m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No _____
DRILLERS Y. SASAKI
COMMENCED 16. Mar. 63
COMPLETED 18. Mar. 63

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

PLACE TOKYO — DATE May 1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No. _____

SHEET NO. 35

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA. FEATURE Right Bank

HOLE No. D - 10 CO-ORDINATES : E 614 Km222 , N 1,398Km 89 R.L. GROUND 34m 3

LOCATION ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty CLAY	Yellow Somewhat lateritic. Color. yellow.		NX 1 2 3					
Clayey SILT	Color yellow with white spots Pale yellow brittled & clayey		4 5		100	highly weathered.		
SHALE	Core length 3-10cm. Pale yellow brittled & clayey		AX 6			Weathered & jointed. Developing calcite veinlets Stained joints dip 60°-40° Highly weathered		
fresh in general.	Color. black Developing calcite veinlet, generally. core length 3-7cm		7 8 9 10			Stratification with calcite veinlets (dip 50°-60°). Hardly jointed & weathered or sheared partially Jointed.		
	Bottom of Hole 10m 0							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS F. OKADA
COMMENCED 18. Mar. 63
COMPLETED 19. Mar. 63

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

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

PLACE: TOKYO DATE: May-1963

SHEET 1 OF 1
DRAWING NO

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA
FEATURE Spillway Site
HOLE No G – 1 CO-ORDINATES : E 608 Km 05 , N 1,390Km 58 RL.GROUND 25m 0
LOCATION
ANGLE FROM HORIZONTAL 30 DIRECTION S 70 E

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND Clayey SILT	Pale grey Color, dull brownish yellow.		NX 1					
Sandy SILT	Color. dull yellow, Bearing weathered siltstone debris		2 3		100			
Medium grained SANDSTONE	Dark bluish grey fresh, boulder ? (Boulder cemented with Highly decomposed dull yellow clayey material?)		AX 4			Clay. weathered		
			5		40	weathered.		
SILTSTONE fine grained SANDSTONE	Dull yellow, weathered Dull yellow, weathered.		6		50			
Fine grain SANDSTONE	Dull yellow, weathered		7		90			
			8		75			
SANDSTONE NO CORE	Medium grained pale grey.		9		50	Weathered.		
NO CORE	Fine grained yellow.							
SANDSTONE	Fine grained yellow. Color. dark grey.		10		60	Colosely developing hair joints		
SHALE	Color. yellow.		1			Weathered Clayey zone 10cm		
SILTSTONE	Dull, yellowish grey.				80			
	Dull greyish yellow.					Weathered. Joints are stained to dark brown, dip 60° approx		
medium grained SILTSTONE	Dull bluish green SANDST Dull yellow.		2					
	Fine grained pale blue.		3			clayey		
SANDSTONE	Medium grained. dark grey.		4			Fresh in most part but joint somewhat stained.		
			5					
medium ~ fine grained SANDSTONE.	fine grained. Color dark grey.		6		100			
	Color. bluish grey.					dip of strata, 70° approx		
SILTSTONE	Dull bluish grey.		7			Somewhat weathered.		
fine - medium grained SANDSTONE	SILTSTONE bluish grey. Dark grey in color		8					
			9					
	SILTSTONE. bluish grey.		20					

Bottom of Hole 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. TANAKA
COMMENCED 6. Mar. 63
COMPLETED 9. Mar. 63

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

PLACE: TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Quarry (Right Bank)
HOLE No G - 2 CO-ORDINATES : E 607 Km 92, N 1,389Km 94 RL GROUND 21m
LOCATION ANGLE FROM HORIZONTAL 30° DIRECTION N 70°W

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
BLOCK	weathered SANDSTONE		NX					
Silty CLAY	Color, dull brown. some-what-slightly latenitized.		1					
Sandy SILT	Color, yellowish brown.				100			
SHALE	yellow, clayey & brittled		2			Highly weathered, decomposed		
NO CORE								
SILTSTONE	Color, pale yellow. Core, brittled.		3		45	weathered & disintegrated		
			AX					
			4		100			
SANDSTONE fresh in general	Color, davk bluish grey. SHALE, dull yellow. dark grey, fine grained.		5		80			
SHALE	medium grained SANDSTONE		6			Weathered & brittled. joint planes staining.		
NO CORE	dull yellow		7			Stained joint, dip 80°		
fine ~ medium grained SANDSTONE	Color dark bluish grey. SHALE, dull yellow. SHALE, dull yellow		8		90	1cm calcite veinlet, dip 80° Weathered & jointed.		
			9			stained joint. dip 60°		
SANDSTONE SHALE	dark grey, medium grained		10			Weathered & jointed. Joints are stained.		
fine - medium grained SANDSTONE	Color, dark bluish grey dull yellow.		1		90	Weathered yellowish zone 3cm thick horizontally. Developing vertical joints		
SILTSTONE	pale greyish yellow,		2			low angled jointed.		
	yellow in color.		3			Weathered.		
SILTSTONE	fine grained.		4			jointed.		
SILTSTONE			5			Violet color SILTSTONE.		
SILTSTONE			6			Violet color SILTSTONE.		
SILTSTONE			7		100	jointed. Calcite veinlet 0.2cm.		
SILTSTONE	grey has tinged of violet.		8			fresh state stained joint. dip 45°		
			9			Calcite veinlet dip 80°		
			20					

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. SASAKI
COMMENCED 8. Mar. 63
COMPLETED 10. Mar. 63

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

PLACE: TOKYO DATE: May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Quarry
HOLE No. G – 3 CO-ORDINATES E 609 Km 21, N 1,392Km 25 R.L GROUND 23m 0
LOCATION ANGLE FROM HORIZONTAL 30 DIRECTION S 70 W

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	Containing plant roots.		NX					
SILT	Dull brown in Color		1					
	Color, dark brown Containing lateritic nodules.							
Sandy CLAY	Dull yellow, in color.		2					
	Bearing limy nodules.							
fine grained SANDSTONE	Color, yellow		3					
	Color whitish grey.		4			Highly weathered		
	Brownish yellow		AX			Highly weathered joint dip 60°		
SILTSTONE	5 cm Clayey		5			Weathered, hardly brittled		
	Color, dark grey.					Joint dip 80°		
SILTSTONE	Dark violetish blue.		6			Stratified		
						Joint, dip 70° Joint dip 50°		
	Yellowish weathered		7			hardly brittled.		
SILTSTONE	Dark bluish grey							
	Color, dark grey.		8			Flat joints, spacing 7cm ±		
fine grained SANDSTONE	Color, dull yellow.		9		100	Weathered & brittled		
			10			Joint, dips 40° Joint dips 60°		
	Brittled & yellow		1			Hardly weathered & jointed		
			2					
SILTSTONE	Color, dull yellowish grey.		3			Fresh state in general.		
			4					
	Dull yellow, brittled		5			Stained joint, dip 80° Jointed, slightly weathered.		
			6			Stained jointed Jointed.		
SILTSTONE	Dark grey in color.					Jointed		
	Pale bluish grey.		7			Crushed clayey		
						Steep joint, Steep joint, stained.		
	Pale bluish gouge 5cm		8					
SILTSTONE								
			9			Joint spacing 2~5cm dip 60°		
						Joint with cale, vein dip 80° Joint dip 90°		
			20					

Bottom of Hole 20m 0

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. OKADA
COMMENCED 9. Mar. 63
COMPLETED 11. Mar. 63

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

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

PLACE TOKYO DATE May-1963

SHEET 1 OF 1
DRAWING NO

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Quarry

HOLE No. G-4 CO-ORDINATES : E 612 Km 75, N 1,391Km 97 RL GROUND 30m 0

LOCATION ANGLE FROM HORIZONTAL 30 DIRECTION W-E

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Silty SAND	Color dull yellowish brown, bearing coarse grain & fragments of weathered rock		NX 1					
Silty CLAY	Color yellow bearing weathered rock fragments.		2		100			
DEBRIS	Weathered grey SANDST							
SILT	Dull brownish yellow		3		80			
DEBRIS	Grey, medium grain, S.S							
Silty CLAY	Yellow							
SAND	Brown		4			Highly weathered.		
	Brittled. core				50			
weathered fine grained SANDSTONE filled with SAND & CLAY	Weathered SANDSTONE debris		5			Decomposed, brown ~ brownish yellow SAND due to weathering		
			6					
	Clayey sand with few laterilic nodules (Ø 2cm)				100			
			7					
medium grained SANDSTONE.	10cm clayey				90	Jointed, joint planes stain.		
	Color yellow.		8			Weathered		
	Color blue.					Steep angled joints with calcite films.		
	Core state good		AX 9			Joint spacing 10~15cm, dip 50°		
						Joint dip 45°		
			10			Stained steep angled joint.		
						Joint with calc. film dip 60°		
medium grained. SANDSTONE fresh in general.			1		100			
						Joint with calc film dip 80°		
			2			Joint dips 45°		
						Joint dips 80°		
			3			Joint with calc. film dip 30°		
			4			Stained two joints spacing 20 cm dip 20°		
			15			Joint, dip 60° (joint plane, fresh)		
	Bottom of Hole 17m 0							

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. TANAKA
COMMENCED 18. Mar. 63
COMPLETED 19. Mar. 63

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

PLACE TOKYO DATE May-1963

LOGGED BY H. Suetomi
DRAWN BY H. Suetomi
CHECKED BY F. K.
SHEET 1 OF 1
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Quarry (Left Bank)
HOLE No G - 5 CO-ORDINATES : E 613 Km 60 , N 1,391 Km 99 RL GROUND 26m
LOCATION ANGLE FROM HORIZONTAL 30° DIRECTION E - W

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITER PER MINUTE LOSS
Clayey SILT	Color, yellow containing few whitish spots of limy meteviols		WX 1 2					
	Color, yellow. Beaning completely weathered shaly flakes.		3					
SHALE	Color, Pale yellow. Core, clayey & flake shape.		4 5 6 7		100	Highly weathered & decomposed rock		
SHALE	Core shown piece shape Color, dull yellow.		AX 8 9			Highly weathered. Hardly jointed & stained dip of joint 20° approx.		
	Clayey, brittled core.		10		60	Highly weathered.		
	Color, pale yellow. Core, brittled.		1 2			Weathered hardly & jointed. dip of Stained bedding planes. 25° approximately.		
	Clayey, tinging reddy.		3		85			
	Dark grey. Bedding planes shown foliated.		4 15		100	Joints & bedding planes stained. dip of them 25° Clayey zone 5cm. thick		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS
COMMENCED 18.Mar.63
COMPLETED 20.Mar.63

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

PLACE: DATE:

LOGGED BY Y. Suetomi
DRAWN BY Y. Suetomi
CHECKED BY F. K.
SHEET 1 OF
DRAWING No.

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA — FEATURE RIVER CHANNEL

HOLE No. 6301 — CO-ORDINATES: E 609 Km 91, N 1.395 Km 84 — RL. GROUND 12m 92

LOCATION DAM CENTER (ALTERNATIVE OF ⑥ LINE) — ANGLE FROM HORIZONTAL 65° — DIRECTION N70°E

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	with some pebbles. with some pebbles and cobbles.	1 2	48 m.m.					
SANDSTONE Fresh.	fine grained. greenish green.	3 4				← Joint, dip 70° ← Joint with calcite veinlet, dip 70° ← Joint, dip 85°		
SHALE						← Joint, dip 70° ← jointed zone, 10cm thick.		
SANDSTONE Fresh.	fine grained. greenish green.	5 6 7				jointed. ← joint, dip 65° Joint planes do not stain. ← Joint, dip 70°		
SHALE Fresh		8						
SANDSTONE Fresh	fine grained.	9			100	← joint, dip 70°		
SILTSTONE		10 11	30 m.m.			closely jointed.		
	SHALE, 10cm thick	12 13						
PORPHYRITE?	Spotted white grains feldspar 1 to 2mm.'s.	14				← calcite veinlet, 1.5cm thick, dip 65°. jointed.		
SANDSTONE Fresh.	fine grained. greenish grey.	15 16 17 18				Joints are spaced 2 to 5cm. jointed.		
SHALE Fresh		19 20				brittled rock. Sheeted. dip. 80°		

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F.O.
COMMENCED 23.12.'63.
COMPLETED 30.12.'63

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY H. B.
SHEET 1 OF 3
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 2
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIVER CHANNEL
HOLE No 6301 CO-ORDINATES : E 609 Km 91 , N 1395 Km 84 RL GROUND 12m92
LOCATION DAM CENTER (ALTERNATIVE OF Ⓒ LINE) ANGLE FROM HORIZONTAL 45° DIRECTION N70°E

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SHALE, Fresh.								
SANDSTONE Fresh	fine graind. Bedding, dip 80°.	21				Joints are spaced 15 to 35cm.		
		22				Joints are spaced 5 to 10cm.		
	jointed, brittled and sheeted core.	23				brittled rock.		
		24						
		25			100	Sheeted rock, Joints are spaced 2 to 10cm, dip 80°.		
	Joint planes slip and coated with rock power.	26						
		27				calcite veinlet developed and closely jointed.		
SHALE Fresh		28				closely jointed.		
		29	30 m.m.			Joints are spaced 3cm in dip of 80° and 30°.		
		30				Jointed, dip 80° or so.		
		31			50	DISTURBED ZONE. sheared rock.		
		32				brittled rock.		
		33				developing steep angled slip planes.		
		34				DISTURBED ZONE sheared rock.		
						calcite veinlet developed sheared rock.		
		35				slip, stained, dip 60° closely jointed and slipped.		
					100	Developing calcite veinlets.		
		36				DISTURBED ZONE.		
		37				In some portion remaining original features, as follows; 36m30 - 36m45, 37m20 - 37m45, 38m30 - 38m50, 39m45 - 39m65 and 40m40 - 40m80.		
		38						
		39						
		40						

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. O.
COMMENCED 23.12.'63
COMPLETED 30.12.'63

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY K. B.
SHEET 2 OF 3
DRAWING NO

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

3

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA.

HOLE No 6301 CO-ORDINATES: E 609 Km 91, N 1.395 Km 84 R.L. GROUND 12m92

FEATURE RIVER CHANNEL

LOCATION DAM CENTER (ALTERNATIVE OF ⓒ LINE) ANGLE FROM HORIZONTAL 45° DIRECTION N 70°E

ROCK-TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SHALE Fresh.	jointed, brittled and sheeted core.	41 42 43 44	30 m.m		100	DISTURBED ZONE. closely jointed and brittled rock. Slip planes are spaced 5 to 15cm. Sheared zone. slip planes develope.		
						End of holes, 44m50.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. Q.
COMMENCED 23. 12. '63
COMPLETED 30. 12. '63

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY H. I.
DRAWN BY H. I.
CHECKED BY Id. B.
SHEET 3 OF 3
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 4
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIVER CHANNEL
HOLE No 6302 CO-ORDINATES · E 610 Km 03 , N 1394 Km 14 RL. GROUND 9m
LOCATION DAM CENTER (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	with plant roots.							
SAND	fine to medium grained. yellowish brown.	1	58 mm.					K: COEFFICIENT OF PERMEABILITY (cm/sec)
SANDSTONE Weathered.	jointed. yellowish grey.	2				Some joints intercalate fine plant roots		
		3			100	joint, stained. dip 70°.		$K = 3.3 \sim 9.3 \times 10^{-4}$
		4						
		5				← steep angled joints,		
SANDSTONE Fresh.	medium grained. Feldspar grains are remarkable.	6				somewhat jointed. Joints intercalated fresh calcite veinlets, are spaced 10 to 30cm. in dip of 70°.		
		7			80			$K = 1.33 \times 10^{-3}$
		8				Joints are spaced 3 to 5cm.		
		9	30 mm.		90			
		10				Joints are spaced 3 to 5cm.		
SILTSTONE Fresh	bedding, dip 30°. black.	11						
						jointed. dip 70°		
SANDSTONE Fresh	Feldspar grains bearing. medium grained.	12				Joints are spaced 3 to 10cm.		$K = 3.33 \times 10^{-3}$
		13						
SILTSTONE Fresh.	dark grey.							
SANDSTONE.	Fresh. fine grained.	14			100			
SANDSTONE Fresh.	feldspar grains bearing. Sheared SHALE 2 to 3cm thick, dip 30° parallel to bedding.	15				somewhat jointed. Joints are spaced 5 to 15cm.		
		16						
SILTSTONE and SHALE Fresh.						somewhat jointed. Joints are spaced 5 to 10cm.		
		17						
SANDSTONE Fresh	feldspar grains bearing. greyish green.	18				moderately jointed. ← calcite veinlet 1cm thick, dip 60°.		$K = 8.12 \times 10^{-4}$
SHALE.	Fresh. black.	19						
SILTSTONE	Fresh. black.	20				← calcite veinlet 0.5cm thick, dip 70°.		

TEST PRESSURES SHOWN IN Kg PER cm^2 MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. S.
COMMENCED 17. 12. '63
COMPLETED 23. 12. '63

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. S.
SHEET 1 OF 2
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 5

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIVER CHANNEL

HOLE No. 6302 CO-ORDINATES : E 610 Km 03 , N 1.394 Km 14 RL. GROUND 9 m

LOCATION DAM CENTER (Ⓒ' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	felspar grains remarkable							
SHALE	Fresh, black.	21						
	SHALE 10cm thick, black. →							
SHALE and SILTSTONE		22						
	Small round to subangular pebble 0.5cm in dia, in a little.	23						
		24				Joints are spaced 15 to 30cm. sometime 40cm, dip 60° to 70°.		
SANDSTONE Fresh.	medium grained. greyish green.	25	30 m/m.		100			
		26						
		27						
		28				-- jointed zone, 10cm thick.		
		29				-- joint with calcite veinlet, 10cm thick, dip 80°.		
		30				End of hole, 30m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No. ____

DRILLERS Y. S.

COMMENCED 17. 12. '63.

COMPLETED 23. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE TOKYO DATE MAR. 1964

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

SHEET 2 OF 2

DRAWING NO ____

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 6
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIVER CHANNEL
HOLE No 6303 CO-ORDINATES : E 610 Km35, N 1.393 Km 63 RL. GROUND 9m 80
LOCATION DAM CENTER (© LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	river SAND. fine to medium grained. with plant roots in a little.		58 m.m.					K; coEFFICIENT OF PERMEABILITY (cm/sec)
	fine-grained, organic Smell.							
SILTSTONE slightly.						jointed.		
SANDSTONE Fresh	grey.		40 m.m.					
SHALE Fresh								K = 3.34 ~ 3.44 × 10⁻³
SANDSTONE Fresh	dark grey.		30 m.m.		100	Bedding, dip 60°. Joint planes are not stain.		
SHALE Fresh								K = 1.63 ~ 4.46 × 10⁻⁴
						End of hole 10m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. S.
COMMENCED 15. 12. '63.
COMPLETED 17. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. B.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 7
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIVER CHANNEL
HOLE No. 6306 CO-ORDINATES : E 610 Km 79, N 1,396 Km 43 R.L. GROUND 11m17
LOCATION DAM CENTER (Ⓒ' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine to medium grained.	1	58 mm					
SILTY SAND	brown.	2						
		3						
		4				← Steep angled joint. joint planes are not stain.		
		5						
		6						
		7				brittled.		
		8				Joints are spaced 5 to 20cm.		
SHALE very fresh.	Lifted long core. Sound and fresh. black.	9			100	brittled.		
		10	30 m.m			Joints are spaced 40cm to 1 m.		
		11						
		12						
		13				← joint closed with calcite veinlet, dip 30°.		
		14				← Joint closed with calcite film, dip 30°.		
		15						
		16				← joint closed with calcite film, dip 30°.		
		17				← closed joint, dip 30°.		
		18				← closed joint, dip 60°. ← closed joint. dip 50°.		
		19						
		20				← joint, dip 60°.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS K. T.
COMMENCED 19.12.'64
COMPLETED 24.12.'64

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY K. S.
SHEET 1 OF 2
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 8

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIVER CHANNEL

HOLE No 6304 CO-ORDINATES E 610 Km 79 , N 1,394 Km 43 RL.GROUND 11m17

LOCATION DAM CENTER (© LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTSTONE Fresh	black.	21	30 m.m.		100	— joint, dip 50°.		
		22						
		23				— joint, dip 50°.		
		24						
		25						
SHALE very fresh	black.	26				Joints are spaced 10 to 15cm.		
		27						
		28						
SILTSTONE Fresh	bedding, dip 70° black	29						
		30				End of hole, 30m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS K. T.

COMMENCED 19.12.'63.

COMPLETED 24.12.'63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◂(DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. I.

DRAWN BY K. I.

CHECKED BY I. B.

SHEET 2 OF 2

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 9

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIVER CHANNEL

HOLE No 6305 CO-ORDINATES : E 609 Km 27, N 1389 Km 33 RL. GROUND 10 m

LOCATION DAM CENTER (PHNOM SAMBOC LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	medium grained. clean. bearing well rounded or flat pebbles of quartz and SHALE.	1 2 3 4 5 6 7 8 9	30 m.m.		100			
SILTSTONE or SHALE very fresh.	black. SANDSTONE, 2cm thick, dip 40°; SANDSTONE, 10cm thick, dip 40°; SANDSTONE, 2cm thick, dip 60°; SANDSTONE, 10cm thick, dip 70°	10 11 12 13 14 15				Joints are spaced 15 to 50cm. — steep angled joint with 2mm calcite veinlet, dip 80°.		
						End of hole, 15 m.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS E. O.

COMMENCED 30. 11. '63.

COMPLETED 4. 12. '63

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY M. G.

SHEET 1 OF 1

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 10
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE CAMBODIA FEATURE RIGHT BANK.
HOLE No 6308 CO-ORDINATES E 609 Km265, N 1,393 Km622 RL GROUND 22m20
LOCATION POWER HOUSE (Ⓒ' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with few plant roots. dark brown. compact. brown. with limy material 5cm thick. cohesive. with limy patches width of 2 to 3mm. dull yellow. with limy patches. cohesive. reddish brown.	1 2 3 4 5 6	48 m.m.		100			
SANDSTONE weathered	Sludge.	7						
SHALE weathered	Yellow.	8			80	Joints are stained and spaced 5 - 15 cm.		
		9				← pale grey gouge 2cm.		
SANDSTONE Fresh	medium grained. grey. long cores are lifted.	10 11 12 13 14 15 16 17 18	30 m.m.		100	Joints are spaced 30cm to 1 m.		
SHALE Fresh	bedding, dip 50° to 30°. black.	19 20				← steep angled joint.		

End of hole 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS Y. S.
COMMENCED 12. 11. '63
COMPLETED 15. 11. '63

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. S.
SHEET 1 OF 1
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 11

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE CAMBODIA FEATURE RIGHT BANK.

HOLE No 6309 CO-ORDINATES : E 609 Km 305, N 1393 Km 280 RL.GROUND 21m91

LOCATION CREST OF SPILLWAY (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with no coarse grain. chocolate color. with quartzite pebbles, 1 to 3cm in dia., in some. brown.	1 2 3 4			100			
SILTY CLAY	with small fragments of weathered rock in some-little. yellow. with white limy material	5 6	48 m.m.					
SHALE highly	Core recovery is very poor. Soily core with small fragments of rock. hardly brittled. soily core with small fragments of rock.	7 8 9 10 11			75			
SHALE Fresh in geneyal.	Core is forming assemblage of small fragments. Developing calcite veinlets.	12 13 14 15 16 17 18 19 20	30 m.m.		100	brittled. Joints are spaced 5cm. or so. hardly jointed. fresh. hardly jointed. fresh. Joints are spaced 10 to 15cm in general, sometimes reach to 30cm or so. bedding, dip 20°.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

End of hole 20m0

DRILL No.

DRILLERS Y. S.

COMMENCED 15. 11. '63

COMPLETED 18. 11. '63

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY M. I.

DRAWN BY M. I.

CHECKED BY M. B.

SHEET 1 OF 1

DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 12

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 6310 CO-ORDINATES : E 609 Km 320, N 1393 Km 764 RL. GROUND 14m 45

LOCATION POWER HOUSE (C) LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND. fine grained.	with some silt, pale yellow.	1 2 3 4 5 6	48 m.m.		100 30			
SANDSTONE weathered	Fine-grained, yellow.	6				jointed and brittled.		
SILTSTONE somewhat weathered.	Yellowish grey to grey.	7			100 70	jointed.		
Mainly SANDSTONE with beds of black SHALE where shown, fresh in general.	SHALE 30cm thick. SHALE 5cm thick. SHALE 15cm thick. SHALE 5cm thick. SHALE 15cm thick. SHALE 10cm thick. SANDSTONE fine grained. SANDSTONE, medium grained, deep grey. SHALE 25cm thick. SHALE 20cm thick	8 9 10 11 12 13 14 15	30 m.m.		100	Joints spaced 30 to 40cm in dips of 70°. Bedding dips 30° to 40°. ← Joint dips 70°. ← Joint dips 70°. ← Stained joint plane. ← Stained joint plane.		
						End of hole, 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS Y. S.

COMMENCED 6. 11. '63.

COMPLETED 9. 11. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◂ (DATE)

PLACE: Tokyo. DATE: MAR. 1964

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY I. S.

SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 13

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 631 CO-ORDINATES : E 609 Km 385, N 1,393 Km 623 RL GROUND 11m 33

LOCATION POWER HOUSE (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND.	fine grained.	1 2 3 4	48 m.m.		100 80			
	medium grained. with small well rounded pebbles.							
Alternation SHALE and SILTSTONE. Fresh in general.		5 6 7 8 9 10	30 m.m.		100	Joints are stained and are spaced 10 to 15cm. in dip of 60° to 70°. jointed.		
						jointed. Joint planes show yellow, 10cm thick.		
		11				End of hole, 11m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.

DRILLERS Y. S.

COMMENCED 4. 11. '63.

COMPLETED 3. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY M. S.

SHEET 1 OF 1

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 14

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK

HOLE No 6312 CO-ORDINATES E 609 Km 240, N 1,393 Km 528 RL GROUND 21m61

LOCATION POWER HOUSE (© LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with poor plant roots. dark brown. containing a little of sand. brown.	1 2 3 4	48 m.m		100			
SANDSTONE completely.	SHALE. clayey. medium grained. yellow	5						
SANDSTONE Fresh	medium grained, grey.	6			70			
SANDSTONE weathered								
Alternating beds of SANDSTONE and SHALE, weathered.	SANDSTONE shows medium grain. Cone shows brittle state intercalated calcite veinlets decomposed to caolinized matter.	7 8			55 45	Jointed.		
Alternating beds of SANDSTONE & SHALE Fresh	dark grey to grey.	9	30 m.m.		90	Bedding dips 45°. Joint planes are no stain and spaced 10 to 20 cm.		
SANDSTONE Fresh		10						
SHALE Fresh		11			100			
Alternating beds of SANDSTONE & SHALE Fresh	Alternating interval 20 to 30 cm. SANDSTONE fine grained.	12						
SANDSTONE Fresh.	medium to fine grained. bluish grey.	13 14				Joints are almost parallel to bedding and spaced 10 to 30cm in dip of 30°.		
		15				End of hole 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS Y. S.

COMMENCED 9. 11. '63.

COMPLETED 12. 11. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

SHEET 1 OF 1

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 15

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK

HOLE No 63L3 CO-ORDINATES : E 608 Km 465 , N 1,392 Km 755 RL GROUND 24m 77

LOCATION POWER HOUSE (Ⓒ' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILT	with plant roots. orange yellow. laterite nodules, 1cm.							
CLAY	orange yellow with white limy patches. cohesive.		58 m.m					K; COEFFICIENT OF PERMEABILITY (cm/sec)
SILTY CLAY	yellow, with white limy nodules in little.							
SHALE, highly decomposed	yellow.							K=8.32 x 10⁻⁴
SANDSTONE, decomposed.	fine grained, yellow.							
SANDSTONE, highly weathered.	medium to fine grained, yellow.							
SHALE weathered, clayey.	almost decomposed, yellow.							
SHALE, weathered	pale yellow, cores form fragments. yellowish dark grey.		48 m.m.		100	brittled. ← yellow clay 10cm thick almost decomposed.		
SHALE weathered.	yellow.							
SANDSTONE weathered	clayey, yellow. yellow, medium grained.							K= 6.66 x 10⁻⁴
SHALE weathered	yellow. SANDSTONE, yellow.							
SHALE weathered	intercalates clay films, yellow. yellow.					hardly jointed.		
interbedded SANDSTONE and SHALE Fresh in general.	mainly SANDSTONE.		30 m.m.			hardly jointed zone 10cm thick spacing 15 to 20cm. ← gouge 2cm, thick, hardly jointed 20cm thick. Joints are spaced 10 to 25cm.		K= 4.44 x 10⁻⁴
	SHALE							
	fine grained SANDSTONE							
	SHALE							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

End of hole 20m 0

DRILL No

DRILLERS F. O.

COMMENCED 4. 11. '63

COMPLETED 8. 11. '63

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ‖

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: Tokyo DATE: MAR. 1964

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

SHEET 1 OF 1

DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 16
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE No 6315 CO-ORDINATES : E 608 Km 763, N 1392 Km 935 RL. GROUND 26m60
LOCATION CREST OF SPILLWAY (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SANDY SILT	with plant roots. brownish yellow							
CLAY	with small round to subround pebbles to 0.7cm. reddish brown with laterite nodules to 0.5cm india. reddish brown. with limy white patches. yellow.		58 m/m.		100			
SHALE completely	yellow.							
SANDSTONE completely.	medium to fine grained. yellow		48 m/m.					
SHALE highly weathered	yellow.							
SANDSTONE highly weathered.	medium to fine grained yellow.				85	← yellow gouge 5cm thick.		
SHALE or SILT STONE FRESH	weathered in part. weathered zone 8.30-8.50 & 8m60-8m75.					bedding dips 30° ← weathered calcite vein 5cm.		
SANDSTONE Fresh.	somewhat yellowish due to slight weathering. medium to fine grained		30 m/m.		100	← Stained joint dips 70°. ← stained joint dips 80°. ← Joint with calcite veinlet 0.2cm thick, dip 60°. Joints are spaced 1m or so.		
	SHALE, dip 30°, black							
	SHALE, dip 30°, black.							
	SHALE, dip 30°, black.							
	black SHALE, 7cm thick dip 10°					← Joint dips 75°		

End of hole 20m0

K: COEFFICIENT OF PERMEABILITY (cm/sec)

K = 1.32 x 10⁻⁴

K = 1.11 x 10⁻⁵ ~ 4.44 x 10⁻⁶

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 3. 11. '63.
COMPLETED 6. 11. '63.

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

LOGGED BY H. S.
DRAWN BY H. I.
CHECKED BY H. B.
SHEET 1 OF 1
DRAWING NO

PLACE: TOKYO DATE: MAR. 1964

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 17

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No. 6316 CO-ORDINATES : E 607 Km 993, N 1.392 Km 482 RL GROUND 23m 98

LOCATION CREST OF SPILLWAY (℄ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine grained, pinkish white with plant roots.							
	brownish yellow.							
	with few laterite nodules reddish brown.	1						
CLAY	cohesive, with few limy white spots.	2 3 4 5 6 7	58 m.m					
SILTY CLAY	with few limy white spots. dark brown.	8 9 10			100			K: COEFFICIENT OF PERMEABILITY (cm/sec)
	slightly weathered.	11	48 m.m					
SANDSTONE Fresh	very good core recovered. bluish green.	12 13 14				Joints are spaced 20 to 60cm.		K = 2.18 ~ 2.58 x 10⁻⁴
	fine grained.	15	30 m.m			Some of joints intercalate thin calcite veinlets 0.2 to 1cm thick.		
SHALE Fresh	black,	16						
SANDSTONE Fresh		17						K = 1.66 ~ 1.73 x 10⁻⁴
SHALE Fresh	dip 70°	18						
		19				← calcite veinlet 2cm, dip 45°		
SANDSTONE Fresh / SHALE Fresh	dip 60°	20						

End of hole 20m 0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS K. T.

COMMENCED 7. 11. '63.

COMPLETED 11. 11. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE TOKYO. DATE MAR. 1964.

LOGGED BY R. S.

DRAWN BY R. S.

CHECKED BY H. S.

SHEET 1 OF 1

DRAWING NO

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE NO 6317 CO-ORDINATES : E 609 Km 716, N 1392 Km 283 RL. GROUND 21m 96
LOCATION FLOOD WAY OF SPILLWAY (℄ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine grained. with few plant roots. dark grey.							
SILTY CLAY	brown.	1 2 3 4	58 mm.					
CLAY	with pale whitish grey limy patches in yellowish grey matrix.	5 6 7 8						
SHALE completely	clayey due to decomposition core shows fragment. yellow	9				gouge 5cm, dip 20° jointed and brittled.		
SHALE weathered	brittled core.	10 11			100	Jointed. Joints are spaced 5cm.		
SILTSTONE Fresh	good core, lamina is nearly horizontal. dark grey.	12 13 14 15 16 17 18 19	30 mm			Joint planes are no stained. ← compact clayseam 2cm. ← calcite vein 2mm. dip steep angled ← calcite vein 1 mm. dip steep angled.		
SANDSTONE Fresh	medium grained. core length 40 to 20cm	20						

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

End of hole 20m0

DRILL No.
DRILLERS F. O.
COMMENCED 9. 11. '63.
COMPLETED 12. 11. '63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY H. S.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 19
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA. FEATURE RIGHT BANK
HOLE No. 6 3 1 8 CO-ORDINATES : E 619 Km 240 , N 1391 Km 874 RL. GROUND 20m 22
LOCATION TRAINING WALL OF SPILLWAY (Ⓒ' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with few plant roots. brown. dark yellowish brown. cohesive. with small fragments of rock (quartzose) and poor laterite nodules in a little. dark brown. with soft limy particles and small shaly fragment yellow.		58 m.m.					
SHALE completely to highly	yellow clayey with weathered shale fragm. core brittled and contained clay yellow.					jointed.		
SHALE moderately to slightly.	dull yellowish grey.		30 m.m.		100	joint with clay film 2mm thick, dip 80°. joint with decomposed calcite veinlet, dip 80°. joint with decomposed calcite veinlet, 1mm, dip 65°. joint with decomposed calcite veinlet, dip 85°. joint with decomposed calcite veinlet, dip 65° to 70°. Joints are spaced 5cm. Joints are spaced 30cm.		
SILTSTONE Fresh	joint planes do not stain.					joint with clay film. stained joint, dip 60°. Steep angled joint, dip 88°. Steep angled joint, dip 80°.		
						End of hole 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS E. O.
COMMENCED 12. 11. '63.
COMPLETED 15. 11. '63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY K. B.
SHEET 1 OF 1
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 20
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE No 6319 CO-ORDINATES E 618 Km 420, N 1391 Km 765 RL. GROUND 23m57
LOCATION TRAINING WALL OF SPILLWAY (©' LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with poor plant roots. with no coarse grains. yellow. with laterite nodules d.3cm in dia. yellowish brown.	1	58 m.m.		100			K: COEFFICIENT OF PERMEABILITY (cm/sec)
SANDSTONE completely	sedentary soily. sedentary soily. yellow.	2 3			80	hardly jointed.		
SILTSTONE or SHALE hardly weathered.	yellow. clayey.	4 5	48 m.m.		100	hardly jointed. jointed.		
SANDSTONE hardly weathered	medium grained, yellow.	6			80	hardly jointed.		K = 2.0 ~ 2.55 x 10⁻⁴
SHALE weathered.	SANDSTONE bluish grey. dull grey.	7			55	jointed and brittled.		
SANDSTONE somewhat weathered.	fine grained. medium grained. greenish blue.	8 9 10				← clay seam 0.2 ~ 1.5cm ← jointed zone. dips 70°. 15cm. stained joint planes are spaced 10 to 20cm.		
SHALE Fresh. in general.	hardly jointed 10cm thick.	11 12	30 m.m.		100	stained joint planes intercalate quartz veinlets. joints are spaced 3 to 5cm.		K = 1.22 x 10⁻⁵ ~ 1.50 x 10⁻⁴
SANDSTONE Fresh	medium grained. greenish blue.	13 14 15				← Joint dips 65° Joint dips 70° ← Joint dips 40° (stain) Joint dips 70° (stain) jointed but fresh		
						End of hole 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 14. 11. '63
COMPLETED 17. 11. '63

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

PLACE: TOKYO. DATE: MAR. 1964

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY M. O.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 21

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK

HOLE No 6320 CO-ORDINATES : E 618 Km 380, N 1,391 Km 445 RL. GROUND 23m57

LOCATION TRAINING WALL OF SPILLWAY (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	SAND, fine grained dark brown with no coarse grains. yellow.	1	58 m.m.			with plant roots.		
CLAY	dull yellow with rock debris.	2			100			
SANDSTONE, fine grained, weathered.	Rarely weathered.	3				completely decomposed. completely decomposed.		
	highly decomposed.	4	48 m.m.		80	completely decomposed 50cm thick.		
	SHALE. decomposed.	5						
SANDSTONE, Fresh.	medium grained, greyish blue.	6						
SILTSTONE Somewhat weathered	dull blue.	7				Joint dips 60°.		
PORPHYRITE? weathered.	decomposed in most part. yellowish brown.	8				bedding, dip 60° to 70°.		
SANDSTONE rather Fresh.	greyish blue.	9			100	steep angled joint. Joints are spaced 5 to 15cm.		
PORPHYRITE Fresh.		10	30 m.m.			Joints are spaced 5 to 25cm.		
SANDSTONE Fresh.	fine to medium grained, but joint planes stain. calcite veins develop in some-little. 10m90-11m30, 12m25-12m50, & 12m90-13m30 SHALE dip 70°.	11						
		12						
		13						
		14						
		15				End of hole 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS K. T.

COMMENCED 18. 11. '63.

COMPLETED 20. 11. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ‖

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE TOKYO DATE: MAR. 1964

LOGGED BY K. L.

DRAWN BY K. L.

CHECKED BY M. S.

SHEET 1 OF 1

DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 22
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE No 6321 CO-ORDINATES E 608 Km 995, N 1,391 Km 734 RL. GROUND 20m 69
LOCATION FLOOD WAY OF SPILLWAY (© LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with poor plant roots. chocolate colon. cohesive, with limy nodules 0.5cm in dia., deep brown. with small shaly fragments 0.3cm. in size. yellow.	1 2 3 4 5 6	58 m.m.					
SILTY CLAY	with completely weathered shaly fragments in part. deep yellow. calcareous. 13m10, crystal of calcite 5cm thick.	7 8 9 10 11 12 13	48 m.m.		100	Shaly fragments rich 30cm in thickness. Shaly fragments rich 40cm in thickness. Shaly fragments rich 50cm thick. Shaly fragments rich 25cm in thickness. Shaly fragments rich 20cm in thickness.		
SILTSTONE or SHALE Fresh in general.	13m35 – 13m40 Somewhat weathered dark grey.	16 15 16 17 18 19 20	30 m.m.			hardly jointed. hardly jointed zone 10cm, thicle. 13m65 – 20m0 (End of hole) Joint planes do not stain, interuals of them are spaced 12 to 15cm. calcite veinlets develop 15cm thick calcite veinlets develop 10cm thick.		

End of hole 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. O.
COMMENCED 19. 11. '63
COMPLETED 23. 11. '63

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY M. S.
SHEET 1 OF 1
DRAWING No.

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

23

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA .
FEATURE RIGHT BANK
HOLE No. 6322 CO-ORDINATES E 607 Km 94 , N 1,389 Km 92 RL. GROUND 23m 10
LOCATION PHNOM SAMBOC LINE ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with plant roots, with laterite nodules 5mm and few quartzite subround pebbles. Slightly silty. yellow.	1	48 mm.		100			
	Yellow.	2						
	weathered SANDSTONE blocks.	3			45			
SILTY CLAY	containing fragments, grains of rock in part. beside above blocks of weathered fine grained SANDSTONE.	4			85			
		5			100			
		6	30 mm.		80			
	medium grained. dark grey.							
SHALE weathered	brittled core. Yellow.	7				jointed.		
SANDSTONE Fresh.	medium grained dark grey.	8			100			
Interbedded SILTSTONE & SHALE, Fresh.	banding dark grey and grey. in dip of 45°	9						
		10				End of hole, 10m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS Y. S.
COMMENCED 28. 11. '63.
COMPLETED 30. 11. '63.

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

PLACE TOKYO DATE MAR 1964

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. S.
SHEET 1 OF 1
DRAWING No.

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

24

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 6323 CO-ORDINATES : E 619 Km 035, N 1,390 Km 505 RL. GROUND 22m90.

LOCATION TRAINING WALL OF SPILLWAY (© LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	cohesive, with no coarse grains, chocolate color.	1 2 3 4 5 6 7 8 9 10 11 12	58 m.m.		100			
SANDSTONE complete	yellow clayey sedentary soil.	13						
SHALE complete		15	48 m.m.					
SANDSTONE weathered	yellow.	16			80	Joints are spaced 3cm or so.		
SANDSTONE somewhat weathered.	dull yellow to grey.	17				Jointed, Joints are spaced 5cm.		
SANDSTONE Fresh. in general.	medium grained, blue. intercalating clay films.	18	30 m.m.		100	Stained joint planes are spaced 10 to 20cm. Joint plane are spaced to 5cm.		
SHALE alternating with SANDSTONE	Fresh, dip 40°. SANDSTONE; fine grained	19 20				Space of alternation, 3 to 5cm.		

End of hole 20m0

TEST PRESSURES SHOWN IN kg PER cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 20. 11. '63.
COMPLETED 22. 11. '63.

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

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY M. M.
SHEET 1 OF 1
DRAWING NO.

PLACE: TOKYO DATE: MAR. 1964.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 25
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK
HOLE No 6324 CO-ORDINATES · E 608 Km 60 , N 1,389 Km 64 RL GROUND 21m35
LOCATION PHNOM SAMBOC LINE ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	with plant roots.							
CLAY	with no coarse grain. dark brown.		48 m.m.		100			
	with poor laterite nodules, 3mm in dia. reddish brown. with angular shaped weathered shaly fragments (3 to 5mm) in a little. yellowish brown.							
SHALE highly	brittled core. yellow.				50	clayey band 20cm. due to faulting.		
SHALE moderately.					75	containing jointed bands.		
					55	jointed.		
	core lost.				75			
					70			
SHALE Fresh in general.	brittled core.				85	jointed. clay seam, 3cm thick.		
			30 m.m.		90			
	brittled core.					jointed. clayey.		
SHALE Fresh	Lifting good core.				100	Joints are spaced 10 to 30cm. calcite vein 3cm thick.		
	brittled core.				50	jointed.		
SANDSTONE Fresh	fine grained.				30	jointed.		
					80	Joints are spaced 5 to 10cm.		
					100			

End of hole 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS Y. S.
COMMENCED 20. 11. '63.
COMPLETED 25. 11. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY H. S.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 26

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 6325 CO-ORDINATES E 602 Km 98, N 1387 Km 87 RL. GROUND 21m 88

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	with plant roots. very fine grained. non-elastic. dull brown in dry, chocolate in wet state.		68 m.m.					
SANDY SILT	more elastic than upper layer. deep brown.							
SILTY CLAY	dark brown.							
SILT	deep brown.				100			
SAND	fine grained. brown.		58 m.m.					
	fine to medium grained river SAND.							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.

DRILLERS K. T.

COMMENCED 24. 11. '63

COMPLETED 29. 11. '63

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. I.

DRAWN BY H. I.

CHECKED BY H. B.

SHEET 1 OF 2

DRAWING No

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

27

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA.

HOLE No 6325 CO-ORDINATES : E 602 Km 98, N 1387 Km 87 FEATURE RIGHT BANK RL GROUND 21m88

LOCATION NAVIGATION CHANNEL. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine to medium grained river SAND.	21	58 m.m.		100			
		22						
		23						
		24						
		25			0			
	with coarse grains of quartzose rock, SHALE, fine grained SANDSTONE and etc.	26						
		27	48 m.m.					
		28						
		29						
		30						
		31						
		32			100			
		33						
		34						
	very fine grained, dark greenish blue.	35				jointed. Joints are spaced 5 to 10 cm.		
	color minerals are chloritized.	36						
SANDSTONE Fresh.	medium grained. bluish grey. Lifting long cores.	37	30 m.m.					
		38						
		39						
		40						

End of hole 40m0

TEST PRESSURES SHOWN IN kg PER cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 25. 11. '63.
COMPLETED 29. 11. '63.

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

PLACE TOKYO DATE MAR. 1964.

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY M. S.
SHEET 2 OF 2
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 28

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK.

HOLE No. 6326 CO-ORDINATES : E 607 Km 47 , N 1385 Km 65 R.L. GROUND 22m 20

LOCATION NAVIGATION LOCK ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SANDY SILT.	brown.		48 m.m		100			
SAND	fine grained, brown.							
SANDY SILT	brown.							
SAND	fine to mediwm grained, brown.							
SANDY SILT	brown.							

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS Y. S.

COMMENCED 4. 12. '63.

COMPLETED 9. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE TOKYO DATE MAR. 1964.

LOGGED BY

DRAWN BY

CHECKED BY

SHEET 1 OF 2

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 29

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK

HOLE No. 6326 CO-ORDINATES : E 607 Km 47 , N 1385 Km 65 RL GROUND 22m 20

LOCATION NAVIGATION LOCK ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	medium grained. clean. yellowish brown.	21	48 m.m.					
		22						
		23						
		24						
		25						
		26			100			
		27	40 m.m.					
		28						
		29						
		30						
		31						
		32						
		33						
	moderately jointed.					Joints are spaced 5cm or so.		
SANDSTONE Fresh.	Joint planes are stained	34	30 m.m.			Joints are spaced 7 to 20cm. and dip 70°		
		35				End of hole, 35m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS Y. S.

COMMENCED 4. 12. '63.

COMPLETED 9. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ‖

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE TOKYO DATE MAR. 1964.

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. K.

SHEET 2 OF 2

DRAWING NO.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 30

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.

HOLE No. 6327 CO-ORDINATES : E 609 Km 310, N 1391 Km 475 R.L. GROUND 21m51

LOCATION NAVIGATION CHANNEL. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	with fine plant roots. deep brown.	1 2						
CLAY	yellow. unsolidified laterite nodules. Bearing completely weathered shaly fragments.	3 4 5 6	58 mm.		100			
SHALE completely to highly.	gougy in part. yellow.	7			85	jointed and brittled.		
	yellow to yellowish grey.	8			80	brittled.		
SHALE moderately.	yellow.	9			85	jointed. Joints are spaced 3 to 10cm.		
	yellow.	10			100			
		11	30 mm		80	brittled.		
SHALE Fresh in general.		12			100	hardly jointed. Joints are spaced 3 to 5cm.		
		13 14				Joint planes do not stain.		
		15				End of hole, 15m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS K. T.

COMMENCED 6. 12. '63.

COMPLETED 9. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE TOKYO DATE MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY K. B.

SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 31

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK.

HOLE No. 6328 CO-ORDINATES : E 614 Km 53, N 1,404 Km 855 RL. GROUND 34m 79

LOCATION LAO QUARRY AREA ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine grained with plant roots.							
SILTY SAND	mottled with white in yellow.	1	58 m.m		100			
	with block of SANDSTONE.	2						
	with completely weathered SANDSTONE debris.	3	48 m.m					
SANDSTONE completely to highly	medium grained. yellow.	4			80			
	medium grained. pale grey.							
SHALE highly	yellow.	5			90			
SANDSTONE highly		6						
SANDSTONE moderately.	medium grained. grey.				95			
SANDSTONE highly.	yellow.	7	30 m.m.			Joints are spaced 10 to 30cm.		
	highly weathered. 3cm thick.	8						
Interbedding SANDSTONE and SHALE	SANDSTONE, grey. bedding. dip 0° to 5°.	9			100			
		10				End of hole 10m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.

DRILLERS K. T.

COMMENCED 12. 12. 163.

COMPLETED 14. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY M. B.

SHEET 1 OF 1

DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 32
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK
HOLE No 6329 CO-ORDINATES : E 613 Km 425, N 1404 Km 48 RL.GROUND 29m13
LOCATION LQO QUARRY AREA. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS; SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine grained, with plant roots gray to yellow							
SANDY SILT	lateritized. with laterite nodules, 4mm.	1	40 m.m.		100			
SANDSTONE weathered	almost core lost.	2			55	jointed.		
					70			
SANDSTONE Fresh in general.		3 4 5				Joint planes do not stain.		
Interbedded SILTSTONE & SANDSTONE	SANDSTONE, fine grained.	6 7 8 9	30 m.m.					
		10			100	jointed.		
	fine grained. black SHALE, 5cm thick, dip 30° →	11 12						
SANDSTONE very Fresh.		13 14 15				Joint planes are no stained and spaced 20cm to 1m.		
	black SHALE 3cm thick, dip 30° →	16						
	black SHALE 2cm thick, dip 0° →	17 18						
		19 20						

End of hole, 20m0.

TEST PRESSURES SHOWN IN Kg PER cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. S.
COMMENCED 12. 12. '63.
COMPLETED 14. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY H. S.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 33
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK
HOLE No. 6330 CO-ORDINATES : E 613 Km 25, N 1403 Km 35 R.L. GROUND 30m56
LOCATION LQO QUARRY AREA ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
TOP SOIL SAND.	with plant roots. yellow.							
SILTY CLAY	with laterite nodules 0.5 to 1cm. in dia. yellow.		48 mm					
CLAYEY SILT	yellow. with completely weathered debris of SANDSTONE.							
SANDSTONE highly weathered	medium grained. yellow.					Jointed. Joint planes are stained.		
SANDSTONE moderately	grey.				100	jointed.		
SANDSTONE Fresh	dark grey.		30 m/m			Joints are spaced 10 to 25cm. Joints are spaced 3 to 10 cm. Joint planes are stained. Joints are spaced 10 to 20cm, dip 70°.		
						End of hole 10m0		

1 2 3 4 5 6 7 8 9 10

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS F. O.
COMMENCED 12. 12. '63.
COMPLETED 13. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY H. O.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 34

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK.

HOLE No 6331 CO-ORDINATES E 613 Km 250, N 1391 Km 627 RL. GROUND 29m47

LOCATION LQ2 QUARRY AREA ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILT	with plant roots yellowish grey.							
SHALE completely.	yellow.	1				foliated.		
SANDSTONE completely	Sedentary soil due to decomposition. medium grained.	2 3 4	48 m.m		100			
SHALE highly	yellow.	5			90	jointed.		
SANDSTONE highly.	medium grained.	6 7	30 m.m.		100			
SANDSTONE very Fresh	fine grained. medium grained. lifted long core.	8 9				hardly jointed zone 3cm, thick. Joint planes do not stain.		
		10				End of hole, 10m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS K. T.

COMMENCED 17. 12. '63.

COMPLETED 18. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY H. B.

SHEET 1 OF 1

DRAWING No

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

35

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK

HOLE No 6332 CO-ORDINATES: E 614 Km 12, N 1383 Km 16 RL.GROUND 30m31

LOCATION LQ 3 QUARRY AREA. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILT	with plant roots. brown.							
CLAY	with latchite nodules to 5mm yellow.	1	58 m.m.					
	with plant roots, cohesive. with white limy nodules.							
	with white limy nodules. purple.	2						
	with white limy nodules.							
SANDSTONE slightly	medium grained. with horizontal light purple striae.	3						
	baring breccia.	4						
		5			100			
SANDSTONE Fresh	fine grained. purple to chocolate color.	6	30 mm					
		7						
		8						
	medium grained with horizontal light purple striae.	9						
		10				End of hole, 10m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 25. 12. '63.
COMPLETED 26. 12. '63.

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

PLACE TOKYO DATE MAR. 1964.

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY K. S.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 36
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK.
HOLE No 6333 CO-ORDINATES : E 619 Km 57, N 1387 Km 10 RL. GROUND 38m 90
LOCATION DAM CENTER & LQ 4 QUARRY AREA ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY SAND. CLAYEY SAND.	very fine grained. with plant roots. with laterite nodules 5mm. brownish Yellow.	1						
CLAYEY SAND.	completely decomposed SANDSTONE. reddish purple. with white limy nodules.	2 3	58 m.m.					
SANDSTONE moderately	Bearing small breccia of greenish blue CLAYSTONE, SANDSTONE, dark grey SLATE or SHALE, and calcite patches. medium grained in general. purple.	4 5 6 7 8 9	30 m.m.		100	joint, dip 70°. jointed. joint, dip 85°. joint, dip 70°. joint, dip 60°.		
SANDSTONE Fresh.								
SANDSTONE Fresh in general	medium grained. greenish blue.	10				joints, dip 45° and steep angled joint with calcite veinlet. joint, dip 50°. joint, dip 50°.		
breccia bearing SANDSTONE Fresh.	jointed and brittled core. medium grained. Lifted long sized core, mostly purple, partially bearing greenish shaly breccia.	11 12 13 14 15				Joints are spaced 3 to 5 cm. hardly jointed. End of hole, 15m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 30. 12. '63.
COMPLETED 3. 1. '64.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY K. B.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 37
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 6336 CO-ORDINATES : E 608 Km 223, N 1392 Km 158 R.L. GROUND 23m28

LOCATION TRAINING WALL OF SPILLWAY (Ⓒ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	very fine grained. with plant roots							
	with limy patches. reddish brown.	1						
		2						K: COEFFICIENT OF PERMEABILITY. (cm/sec)
CLAY	with decomposed limy nodules in a little. yellow.	3	58 m.m.					
		4						
		5						
		6						
SHALE completely to highly.	deep yellow clayey with small fragments of rock.							
	clayey in part. yellow.	7			100	jointed.		
SILTSTONE highly	clayey in part. yellow.							
SHALE highly	clayey. yellow.	8	48 m.m.			jointed.		K=.6.0 x 10^{-5} ~ 1.79 x 10^{-4}
SILTSTONE highly	yellow.	9				jointed. ← clayey zone 10cm thick due to decomposition of weathering.		
SHALE highly		10						
fine grained SANDSTONE or SILTSTONE moderately.	brittled cone.	11				joints dip 60°.		
SANDSTONE slightly.	fine grained.	12				stained joint planes are spaced 5 to 10cm.		
SHALE Fresh in general.		13	30 m.m.			joint planes slightly stain and are spaced 10cm in dip of 60°.		K= 4.48 x 10^{-5} ~ 1.16 x 10^{-4}
SANDSTONE Fresh in general.	medium grained. bluish grey.	14				Joint planes stain and intercalated weathered calcite veinlets 5mm thick		
		15				End of hole 15m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 11. 11. '63.
COMPLETED 14. 11. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY M. S.
SHEET 1 OF 1
DRAWING NO.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 38

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK

HOLE No 6337 CO-ORDINATES E 608 Km 800, N 1,392 Km 120 R.L. GROUND 23m 78

LOCATION FLOOD WAY OF SPILLWAY (C' LINE) ANGLE FROM HORIZONTAL 30° DIRECTION E

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine grained. with plant roots							
SILTY CLAY	yeddish brown.							
CLAY	with laterite nodule 1cm in plenty and few round and flat quartzite pebbles 3cm	1						
	with laterite nodules in some-little, some of them soft.	2 3 4	58 m.m.					
	yellow,	5						
SILTY CLAY	yellow.	6 7						
CLAY	with fragments of sand-stone and siltstone.	8						
SANDSTONE highly weathered.	fine grained. yellow	9				hardly jointed.		
SANDSTONE weathered.	yellow.	10	48 m.m.		100			
SILTSTONE or SHALE weathered	yellow.	11						
SANDSTONE weathered	fine grained, yellow.	12				hardly jointed.		
SHALE	weathered.							
SILTSTONE or SHALE weathered.		13				Joints are spaced 5 to 10 cm.		
		14				hardly jointed.		
		15	30 m.m.					
SANDSTONE moderately.	fine grained, dull greyish blue.	16				somewhat jointed.		
SILTSTONE or SHALE weathered.		17						
SANDSTONE Fresh in general.	medium grained.	18				Stained joint planes are spaced 10 to 20cm.		
SHALE moderately	weathered.	19				hardly jointed.		
		20						

End of Hole, 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS F. O.

COMMENCED 15. 11. '63.

COMPLETED 18. 11. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING |

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY I. K.

SHEET 1 OF 1

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 39
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK
HOLE No 6338 CO-ORDINATES : E 608 Km 34, N 1,388 Km 89 R.L GROUND 21m99
LOCATION NAVIGATION CHANNEL. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	with plant roots.							
CLAYEY SILT	brown.	1						
		2						
SILTY SAND	brown.	3						
		4						
SAND	fine grained. with no coarse grains. brown.	5						
		6						
CLAYEY SILT	deep brown.	7	58 m.m.					
		8						
		9			100			
		10						
		11						
SAND	fine grained with no coarse grains.	12						
		13						
		14						
		15						
		16						
		17	30 m.m.					
		18						
	core lost.				25			
SANDSTONE Fresh	fine to medium grained. bluish grey.	19						
		20			100			

End of hole 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS E. O.
COMMENCED 25.11.'63
COMPLETED 28.11.'63

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY H. B.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 40
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE No 6339 CO-ORDINATES E 607 Km 60, N 1,386 Km 45 RL GROUND 21m 34
LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	with no coarse grains. brown.							
SANDY SILT	SAND, fine grained. deep brown.		58 mm					
SAND	fine to medium grained. clean.		40 m.m.		100			

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 3. 12. '63.
COMPLETED 6. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY H. O.
SHEET 1 OF 2
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 41
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE RIGHT BANK.
HOLE No 6339 CO-ORDINATES : E 607 Km 60, N 1386 Km 45 RL GROUND 21m34
LOCATION NAVIGATION CHANNEL. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SAND	fine to medium grained. with few small QUARTZ pebbles; 5mm in dia.	21						
	medium to coarse grained.	22	40 mm		100			
	with well rounded pebbles of QUARTZ, SANDSTONE & SHALE, to 2cm in dia.	23						
		24						
		25						
		26						
	brittled core.	27			45	jointed. gouge 2cm, blue.		
SANDSTONE Fresh	medium grained. grey. SHALE seam 1cm thick, dip 20°. SHALE seam. 2cm thick, dip 20°.	28	30 mm		100	joints are no stain, spaced 20 to 30 cm.		
		29						
		30				End of hole, 30m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 3. 12. '63.
COMPLETED 6. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY H. S.
SHEET 2 OF 2
DRAWING NO

42

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE RIGHT BANK

HOLE No 6340 CO-ORDINATES - E 608 Km 38 , N 1387 Km 68 RL.GROUND 18m58

LOCATION PHNOM SAMBOC LINE ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	with plant roots. brown. cohesive. dull brown. sedentary soil. yellow.	1 2 3 4	48 mm		100			
SHALE highly								
SHALE moderately.	yellow.	5 6 7 8	30 mm		85 60 95 75	jointed. some joints intercalate clay film. Joints are spaced 10 to 15cm.		
SHALE Fresh	joints with no stain. Lifted good core.	9 10 11 12			100	closely jointed. dip of joints, 70° or 50. Joints are spaced 40cm. - joint, dip 80°. End of hole, 12m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS Y. S.
COMMENCED 25. 11. '63.
COMPLETED 28. 11. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. S.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 43
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING · ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK.
HOLE No. 6341 CO-ORDINATES : E 607 Km 56, N 1,391 Km 62 RL. GROUND 22m 96
LOCATION DAM CENTER, PHNOM SAMBOC LINE. ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILT	with plant roots. Spotted yellow in pale grey.		58 m.m.		100			
CLAY	Bearing limy nodules and patches. mottled yellow and white.							
SILTY CLAY	brown.							
SILTY SAND	yellow.							
CLAY	blue.							
SANDSTONE moderately SILTSTONE highly.	fine grained. decomposed in part..		48 mm			Joint with yellow gouge. weathered and brittled 2cm thick.		
SANDSTONE moderately	medium grained. blue on yellow.							
SANDSTONE Fresh in general. SANDSTONE weathered.	medium grained. bluish grey. black SHALE 5cm thick dip 50°. black SHALE 100cm thick dip 60°.		30 mm.			Joints are spaced 15 to 50 cm.		
						End of hole, 15m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS F. O.
COMMENCED 5. 12. '63.
COMPLETED 7. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY K. O.
SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 44
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE LEFT BANK
HOLE No 6342 CO-ORDINATES · E 611 Km 50 , N 1393 Km 56 RL. GROUND 21m 69
LOCATION DAM CENTER (③ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	with plant roots in a little. brown.	1	58 m.m.					
	deep brown.	2 3 4 5 6						
SAND	fine grained with no coarse grains. brown.	7 8 9			100			
SILTY SAND	brown.	10						
		11	48 m.m.					
SANDY CLAY	SAND grain, fine.	12						
SILTY CLAY	with burried former plant roots. organic smelling. yellowish grey to grey.	13 14						
SANDY CLAY	SAND grains, fine. with SHALE fragments.	15						
SANDY CLAY	SAND grain, medium. with gravels and pebbles of SHALE, QUARTZ & SANDSTONE.	16						
CONGLOMERATE	pebble to cobble CONGLOMERATE ? well cemented. core recovery is poor.	17 18 19	30 m.m.		75 60 30 60			
SHALE Fresh	19m80 - 20m35 core lost.	20			10	DISTURBED ZONE ? jointed and brittled.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 13. 12. '63.
COMPLETED 17. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. I.
DRAWN BY K. I.
CHECKED BY K. B.
SHEET 1 OF 2
DRAWING No

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

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GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE CAMBODIA FEATURE LEFT BANK

HOLE No. 6342 CO-ORDINATES : E 611. Km 50 , N 1393 Km 56 RL. GROUND 21m49

LOCATION DAM CENTER (③ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
	19m80 - 20m25 Core lost.				10	DISTURBED ZONE?		
	brittled core.	21			40			
	brittled core.				60	Joints are filled with calcite veinlets and spaced 3 to 5cm.		
SHALE					65			
Fresh.		22	30 m.m.		80			
	brittled core.				100			
	brittled core.				80			
		23			100			
	brittled core.					Joint planes do not stain.		
		24			85			
					100			
		25				End of hole, 25m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS K. T.
COMMENCED 13. 12. '63.
COMPLETED 17. 12 '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. I.
DRAWN BY H. I.
CHECKED BY M. B.
SHEET 2 OF 2
DRAWING No

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

46

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE LEFT BANK

HOLE No. 6343 CO-ORDINATES : E 612 Km 31 , N 1393 Km 35 RL. GROUND 18m 54

LOCATION DAM CENTER (③ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
CLAY	grey to yellow cohesive. yellow. with weathered SILTSTONE clods	1	58 m.m		100			
	Sedentary soil, originated completely decomposed SILTSTONE.	2						
SILTSTONE moderately	grey. Joint planes are stained.	3			30 50	jointed.		
SILTSTONE Fresh	grey. Joint planes do not stain.	4				joints, combined with steep and flat angled, stained.		
		5				closely jointed, 10cm thick.		
		6				closely jointed, 5cm thick.		
		7				closely jointed, 10cm thick.		
		8						
		9						
		10				joints are spaced 2 to 3cm,		
SANDSTONE Fresh	fine grained, grey	11	30 m.m.		100			
SILTSTONE Fresh	black.	12				jointed.		
	grey.	13				jointed. (steep angle.)		
		14				jointed, (steep angle.)		
SANDSTONE Fresh.	coarse grained.	15				closely jointed, 10cm thick. closely jointed 5cm thick. closely jointed 15cm thick.		
		16						
		17						
	Coarse to medium grained.	18						
		19						
		20						

End of hole, 20m0.

TEST PRESSURES SHOWN IN Kg PER cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. S.
COMMENCED 25. 12. '63.
COMPLETED 27. 12. '63.

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

PLACE: TOKYO. DATE: MAR. 1964.

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY M. B.
SHEET 1 OF 1
DRAWING No.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 47

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK

HOLE No 6344 CO-ORDINATES: E 610 Km 92, N 1.388 Km 80 R.L GROUND 18m10

LOCATION PHNOM SAMBOC LINE ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	with plant roots. dark brown							
CLAY	cohesive. brown.							
	dark grey.							
SILTY CLAY	cohesive. dark grey.		48 m.m.		100			
SHALE or SILTSTONE Fresh.	developing calcite veinlets and bearing small breccia of SHALE		30 m.m.			Joints are spaced 5 to 10cm.		
	calcite veinlets develope in general.					Joints are spaced 10 to 25cm, dip 70° to 60°. Joint planes do not stain.		
						Joints are spaced 5 to 15cm, dip 70°.		
						Joints are spaced 5 to 10cm, dip 70°.		

End of hole 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.

DRILLERS F. O.

COMMENCED 18. 12. '63.

COMPLETED 20. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ‖

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

SHEET 1 OF 1

DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 48

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK

HOLE No 6345 CO-ORDINATES E 611 Km 63, N 1,388 Km 16 R.L GROUND 20m 34

LOCATION DAM CENTER (PHNOM SAMBOC LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	with plant roots. dark brown.							
CLAY	with debris of completely weathered SHALE yellow.	1 2	58 m.m.		100			
SHALE completely.	Completely decomposed due to high degree weathering. clayey. yellow.	3 4						
SHALE moderately.		5 6 7			45 50 90 40 30 80	hardly jointed. Joint planes are stain.		
SHALE slightly.		8 9 10 11	30 m.m.		70 35 25 35 50 65 50	SHARED.		
SHALE Fresh		12 13 14 15 16 17 18 19 20			90 100	sheeted. moderately jointed. Sheared and sheeted. moderately jointed. Joints are spaced 5 – 15cm Jointed. Joints are spaced 3 to 15 cm. britted. hardly jointed.		

End of hole, 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No

DRILLERS Y. S.

COMMENCED 27. 12. '63.

COMPLETED 31. 12. '63.

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▌

WATER LEVEL IN DRILL HOLE ◀(DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.

DRAWN BY H. S.

CHECKED BY H. S.

SHEET 1 OF 1

DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 49
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK.
HOLE No. 6346 CO-ORDINATES E 611 Km 58, N 1393 Km 33 RL GROUND 21m 26
LOCATION DAM CENTER (③ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY CLAY	brown.							
CLAY	brown.		58 m.m.					
SILTY SAND	SAND grains are fine. brown.				100			
SAND	fine to medium grained, with QUARTZ pebbles to 1cm in dia, in a little.							
SILT	dark brown.		48 m.m.					
SILTY CLAY	with carbonated wood pieces. Yellow to grey.							
SAND	medium grained.							
SILTY SAND	with debris and pebbles of QUARTZITE & SHALE. yellow.		40 m.m.					
block rock of SANDSTONE.	yellow SILTY CLAY, 10cm. Fresh.			△ △	70.			
SANDSTONE Fresh	medium grained. dark grey.		30 m.m.	• • • • •	55 100	joints are spaced 5 to 10cm.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 26. 12. '63.
COMPLETED 30. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.
DRAWN BY K. S.
CHECKED BY M. D.
SHEET 1 OF 2
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 50
ELECTRIC POWER DEVELOPMENT COMPANY
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK

HOLE No 6346 CO-ORDINATES: E 611 Km 58, N 1,393 Km 33 R.L GROUND 21m 26

LOCATION DAM CENTER (③ LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SANDSTONE Fresh.	calcite veinlet. 1cm thick, dip 50°. medium grained. dark grey.	21 22 23	30 m.m.		100	Joints are spaced 5 to 10cm. Joints are spaced 5 to 10cm. Joints are spaced 5 to 10cm.		
						End of hole, 23m0.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS K. T.
COMMENCED 26. 12. '63.
COMPLETED 30. 12. '63.

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

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY H. S.
DRAWN BY H. S.
CHECKED BY H. S.
SHEET 2 OF 2
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 51

ELECTRIC POWER DEVELOPMENT COMPANY

(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE , CAMBODIA . FEATURE LEFT BANK

HOLE NO. 6347 CO-ORDINATES : E 612 Km 79 , N 1.393 Km 05 RL. GROUND 24m66

LOCATION DAM CENTER (3) LINE) ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY SAND	with plant roots. bearing laterite nodules of to 0.3 cm.	1	48 m.m.		100			
	mottled yellow and white.							
SILTY CLAY	yellow.	2						
	with weathered SANDSTONE debris.	3						
	completely weathered. highly weathered.	4				brittled.		
	Core lost.				0			
SHALE intercalated SANDSTONE highly weathered.	Calcite veinlets develope, moderately. partially clayey. yellowish grey to yellow.	5 6 7 8				jointed and brittled.		
SANDSTONE moderately.	fine grained.	9				Joints are spaced 3 to 10cm, in some part hardly jointed.		
		10	30 m.m.					
SILTSTONE Fresh in general.	dark grey. DISTURBED ZONE ?	11			100	Disturbed zone ? brittled.		
						brittled.		
		12				Disturbed zone ? Joint planes do not stain and are filled with calcite veinlets. hardly jointed.		
		13						
		14				brittled.		
		15				brittled.		
		16				brittled.		
		17						
		18				brittled.		
		19						
		20				brittled.		

End of hole, 20m0

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.

DRILLERS F. O.

COMMENCED 15. 12. '63.

COMPLETED 18. 12. '63

EXPLANATION

CASING IN DRILL HOLE DURING DRILLING ▮

WATER LEVEL IN DRILL HOLE ◀ (DATE)

PLACE: TOKYO DATE: MAR. 1964.

LOGGED BY K. S.

DRAWN BY K. S.

CHECKED BY K. D.

SHEET 1 OF 1

DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN. 52
ELECTRIC POWER DEVELOPMENT COMPANY.
(CONSULTING ENGINEERS)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR DAMSITE, CAMBODIA. FEATURE LEFT BANK

HOLE No 6348 CO-ORDINATES E 613 Km 79 N 1,404 Km 18 R.L. GROUND 34m36

LOCATION LQ O QUARRY AREA ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WETHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHER CORE LOST	R.L CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES..	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SILTY SAND	with plant roots. grey.							
SILT	with well rounded pebbles of quartzose SANDSTONE, 3 to 5cm							
	with laterite nodules.							
	poor laterization. with laterite pebbles 2 to 3 mm.							
SILTY CLAY	with white limy spots in yellow matrix.		48 m.m.					
	Sedentary soil of SANDSTONE.				100			
SANDSTONE moderately to Fresh	grey.					jointed.		
SANDSTONE highly.	yellow.					Decomposition occured in some part.		
SANDSTONE Fresh	medium grained. grey.		30 m.m.			Joints are spaced 40cm to 1m.		
						Joints are spaced 5cm to 10cm.		
						End of hole 10m0		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS F. O.
COMMENCED 13. 12. 63.
COMPLETED 15. 12. 63.

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

PLACE: TOKYO DATE: MAR. 1964

LOGGED BY R. I.
DRAWN BY R. I.
CHECKED BY I. S.
SHEET 1 OF 1
DRAWING NO

ELECTRIC POWER DEVELOPMENT COMPANY

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right bank

HOLE No. 6401 CO-ORDINATES E 609 Km 180, N 1393 Km 175 R.L.GROUND 20 m ?

LOCATION ©' Line, Dam Center ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WEATHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHERE CORE LOST	R.L CASING / DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES.	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
					Depth of Water 3.38m		
CLAY	Muddy CLAY, grey, with fragments of SANDSTONE.	1					
Mainly SANDSTONE, highly to moderately weathered.	Greenish grey	2 3 4 5 — 68 mm		95 56 65 90	Core broken into fragments of weathered SANDSTONE and SHALE.		
	Bluish grey.						
SANDSTONE, somewhat weathered.	Medium grained, bluish grey.	6 7 8 9			Joints are spaced 3 to 5 cm. / Joints are spaced 5 to 15 cm.		
SANDSTONE, fresh.	Dark grey SHALE bed	10 11 12 13 — 30		100	Joints are not stained. CALCITE veins 0.2 to 0.3 cm thick occur.		
	Bluish grey.						
	Dark grey SHALE bed.	14			Bedding dips 60°		
	Dark grey SHALE bed.	15 16 17			CALCITE veinlets occur.		
	Dark grey SHALE bed.	18			Sheared zone.		
	Dark grey SHALE bed	19 20			Sheared zone.		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No.
DRILLERS Y. S.
COMMENCED 22-1-'65
COMPLETED 26-1-'65

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

PLACE: TOKYO DATE MAR. '65

LOGGED BY K. M.
DRAWN BY K. M.
CHECKED BY H. Tsutomi
SHEET 1 OF 2
DRAWING No

ELECTRIC POWER DEVELOPMENT COMPANY

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR PROJECT CAMBODIA FEATURE Right bank

HOLE No. 6401 CO-ORDINATES E. 609 Km 180, N 1393 Km 175 R.L. GROUND 20 m ?

LOCATION ©' Line, Dam Center ANGLE FROM HORIZONTAL 90° DIRECTION

ROCK TYPE & DEGREE OF WEATHERING SHOWN IN CORE	DESCRIPTION OF CORE OR CUTTINGS WHERE CORE LOST	R.L. CASING	DEPTH SIZE OF CORE	LOG	LIFT & CORE RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS, FAULTS, CRUSHED ZONES	WATER LEVEL	WATER PRESSURE TEST LITTER PER MINUTE LOSS
SHALE fresh.	Black to grey.	21	30		90	Closely jointed.		
		22						
SHALE fresh.	Black to grey.	23				Closely Jointed		
SANDSTONE, fresh	Bluish grey.	24				CALCITE Vein 15cm thick. Joints are spaced 5 to 10cm.		
		25						
		26						
		27						
SHALE fresh	Black to grey.	28				Closely jointed.		
	CALCITE vein 5cm thick	29				Disturbed zone. Core broken in pieces 4 to 5cm.		
		30				End of hole, 30 mo		

TEST PRESSURES SHOWN IN Kg PER Cm² MEASURED AT GROUND SURFACE

DRILL No
DRILLERS Y. S.
COMMENCED 22-1-'65
COMPLETED 26-1-'65

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

PLACE: TOKYO DATE: MAR. '65

LOGGED BY K. M.
DRAWN BY K. M.
CHECKED BY H. Suetomi
SHEET 2 OF 2
DRAWING No

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN

HAZAMA-GUMI LTD. (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA — FEATURE RIGHT BANK

HOLE No. D H-5404 — CO-ORDINATES E 611 km 855 N 1,388 km 750 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 SIZE	R.L CASING	DEPTH SIZE OF CORE	LOSS	CORE RECOVERY	STRUCTURES JOINTS, VEINS SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60	MECHANICAL COMPONENT (%) 20 40 60 80	%	LL %	PL %	e	q_u kg/cm²	Po kg/cm²	Cc	C_v cm²/sec (×10⁻³)	K cm/sec (×10⁻⁶)
SILT SILTY SAND SANDSTONE	mottled brown white fine of medium grained decomposed sand yellowish gray, yellowish gray medium grained blueish gray	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	1.5 m/m			Plant Roots with abundant calcareous nodules dia 3~8 cm Broken fragments of sandstone many joint planes are stained End of Boring 5 m	T.W.L W.L	Water level (21.12.64)	SILT SAND CLAY	22.9	49.7	12.7	0.64	0.64	1.08	0.27	0.11~0.32	0.5~0.29

DRILLER Y. S	EXPLANATION	LOGGED BY	K.M.
COMMONED 21.12.64	CASING IN DRL. HOLE DURING DRILLING ▮	DRAWN BY	K.M.
COMPLETED 22.12.64	WATER LEVEL IN DRL. HOLE ◀ (DATE)	CHECKED BY	K.M.
	THIN WALL SAMPLING ▮	SHEET OF DRAWING NO	

PLACE TOKYO DAIL MAR 1965

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 6405 — CO-ORDINATES E 611 m 375 N 1,389 m 135 P.L. GROUND 20.00

LOCATION NAVIGATION CHANNEL (B LINE) — ANGLE FROM HORIZONTAL 90° DIRECTION

SOIL OR ROCK TYPE	DESCRIPTION OF CORE GROUP NAME LARGEST AND SMALLEST SIZE	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	MECHANICAL COMPONENT (%) 20 40 60 80	W %	LL %	P.L. %	e	q_u kg/cm²	Po kg/cm²	Cc	Cv cm²/sec (×10⁻³)	K cm/sec (×10⁻⁶)
SANDY CLAY SILTY SAND SAND SANDSTONE highly weathered	(upon core) brown in general brown brown gray	1 2 3	7.5 5.0 8.0		80	With plant Roots decomposed Sandstone Consists of sand core detritus	T-1 T-2 T-3		SILT SAND	24.8	42.0	24.0	C.80	1.13	1.16 1.05	0.19 0.15	043~12.1 040, 067	0023~3704 020~129
SANDSTONE weathered	fine to medium grained brown gray brown gray	4 5 6 7 8	5.0			rock is very much dip 60° or vertical light colored sandstone and is also not stained End of hole 6m												
		9 10 11 12 13 14 15 16 17 18 19 20																

DRILLER Y.S
COMMONED 23.12.64
COMPLETED 24.12.64

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

PLACE TOKYO DAIL MAR 1965

LOGGED BY K.m
DRAWN BY K.m
CHECKED BY K.m
SHEET OF
DRAWING NO.

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN

HAZAMA-GUMI LTD. (CONTRACTOR)

GEOLOGIOAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

HOLE No DH 6408 CO-ORDINATES E611 km 470 N 1,394 km 935 RL GROUND 19.80

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

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZE	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	MECHANICAL COMPONENT (%) 20 40 60 80	W %	LL %	PL %	e	qu kg/cm²	Po kg/cm²	Cc	Cv cm²/sec (x10⁻³)	K cm/sec (x10⁻⁶)
CLAYEY SILT	gray					with same plant- roots												
	brown		68															
CLAY	yellowish brown				80		T-1			22.0	39.2	18.3	0.64	1.73	—	—	—	—
	dark brown		58			— With laterite nodules grain size 0.4cm-0.3cm — With laterite nodules grain size 0.5cm												
SILTY CLAY	yellowish gray								SILT, SAND									
CLAY	dark brown					Containing calcareous nodules dia 3cm~5cm	T-2			20.3	37.3	16.9	0.58	2.19	1.35	0.14	0.87~4.38	0.61~10.95
SANDSTONE highly weathered	decomposed sandstone					intercalate clayey seam in part												
PORPHYRITE	Pale greenish gray quartz porphyritic rock					calcite veins are spared 20cm to 50cm End of hole 12.00m												

DRILLER Y S

COMMONED 14 1 65

COMPLETED 16 1 65

EXPLANATION

CASING IN DRLL HOLE DURING DRILLING ▮

WATER LEVEL IN DRLL HOLE ◀ (DATE)

THIN WALL SAMPLING ▮

PLACE TOKYO DAIL MAR 1965

LOGGED BY K m

DRAWN BY K m

CHECKED BY K m

SHEET DRAWING NO 1 OF 1

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN

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

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA — FEATURE B RIGHT BANK

HOLE No. DH. 6409 — CO-ORDINATES: E611 km 480 N 1,394 km 825 RL GROUND 19.10

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

SOIL OR ROCK TYPE	DISCRIPTION OF CORE GROUP NAME LARGEST AND SMALEST SIZE	RL CASING	DEPTH SIZE OF CORE	LOG	LIFT RECOVERY %	STRUCTURES JOINTS, VEINS, SEAMS FAULTS, CRUSHED ZONES	WATER LEVEL	STANDARD PENETRATION TEST N VALUE 10 20 30 40 50 60	MECHANICAL COMPONENT (%) 20 40 60 80	W %	LL %	PL %	e	q_u kg/cm²	Po kg/cm²	Cc	Cv cm²/sec (x10⁻³)	K cm/sec (x10⁻⁶)
SILTY CLAY	grayish brown					With plant roots												
CLAY		1				bearing some laterite nodules	1-1			20.2	46.2	19.9	0.55	2.79	0.74	0.20	2.25 325	1.30 1.94
		2																
		3																
		4	5.8		90													
	brown	5																
SILTY SAND	completely decomposed sandstone fine to medium grained brown	6				gradational boundary												
		7					T.L.											
SANDSTONE highly weathered	bluish gray	8	4.8			bearing clayey part			CLAY-SILT	22.5	51.1	18.6	0.59	1.67	—	—	—	—
		9				jointed			SAND									
SANDSTONE weathered	bluish gray	10	3.0		100	End of hole 10.00 m												
		11																
		12																
		13																
		14																
		15																
		16																
		17																
		18																
		19																
		20																

DRILLER Y.S.
COMMONED 12.1.65
COMPLETED 13.1.65

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

PLACE TOKYO DAIL MAR 1965

LOGGED BY K m
DRAWN BY K m
CHECKED BY K m

SHEET 1 OF 1
DRAWING NO

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO JAPAN 16
HAZAMA-GUMI L.T.D. (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA FEATURE RIGHT BANK
HOLE No DH 6412 CO ORDINATES E 612 km 125 N 1,392 km 685 R.L. GROUND 20.30
LOCATION NAVGATION CHANNEL (A LINE) 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
	grayish black					organic soil		
	Plastic dry	1						
CLAY	dark brown	2						
	decomposed shale	3	46		90	with shale fragments in upper		
	brown	4						
SHALE highly weathered		5				consists of shale detritus dia 1cm~3cm		
	brown	6				End of hole 6.00m		
		7			1			
		8						
		9						
		10						
		11						
		12						
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

DRILLER Y.S
COMMONED 27 I 65
COMPLETED 27 I 65

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

Km
Km
Km

SHEET DRAWING NO 1 OF 1

OVERSEAS TECHNICAL COOPERATION AGENCY, TOKYO, JAPAN

HAZAMA-GUMI, LTD. (CONTRACTOR)

GEOLOGICAL LOG OF DRILL HOLE

SAMBOR CANAL, CAMBODIA

HOLE No. H.D. 6413 FEATURE RIGHT BANK

CO-ORDINATES E 611 km 520 N. 1. 389km 405RL GROUND 2050

LOCATION NAVGATION CHANNEL (A 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	MECHANICAL COMPONENT (%) 20 40 60 80	U.S.	L.L %	P.L %	e	q_u kg/cm²	Po kg/cm²	Cc.	Cv cm²/sec (x10⁻³)	k cm/sec (x10⁻⁸)
CLAY	grayish brown becoming lateritised	1 2 3 4 5 6 7			80	with some plant roots; scattered some ferruginous nodules dia 0.5cm~1.0cm	T-1 Water level		CLAY									
SILTY SAND	mottled yellowbrown	8 9 10						14 times/30cm										
SAND	dark brown fine or silty	11 12 13 14			40	containing organic material		43 times/30cm										
GRAVEL	brown gray	15			80	pebble dia 1cm~2cm consists of chert or quartzite												
SANDSTONE weathered	bluish gray	16 17 18			100													
SANDSTONE fresh in general	bluish gray	19 20			90	jointed spaced 3cm to 5cm												

DRILLER Y S

COMMONED 28. 1. 65

COMPLETED 30. 1. 65

EXPLANATION

CASING IN DRLL HOLE DURING DRILLING

WATER LEVEL IN DRLL HOLE ◀ (DATE)

THIN WALL SAMPLING

PLACE TOKYO DAIL MAR 1965

LOGGED BY K m

DRAWN BY K m

CHECKED BY K m

SHEET 1 OF 2

DRAWING NO

B. AUGER HOLES FOR DAM AND POWERHOUSE

LIST OF AUGER HOLES

(1 - 3)

Holes	Location	Elevation (m)	Depth of Hole (m)	Log Sheet No
AH-01	Ⓒ and Ⓓ Line, Floodway of Spillway.	22.00	5.0	1
02	Upstream side of Ⓒ Line, Right bank.	25.00	6.0	2
03	Ⓒ and Ⓓ Line, Earthfill Dam, Right bank	30.50	1.9	3
04	"	31.00	4.8	4
05	"	37.00	4.0	5
06	Ⓒ and Ⓓ Line, Powerhouse	20.00	3.7	6
07	Upstream side of Ⓒ Line, Right bank	25.00	5.0	7
08	Phnom Samboc Line, Earthfill Dam	25.00	4.5	8
09	Upstream side of Ⓒ Line, Right bank	30.00	2.5	9
10	"	30.50	1.7	10
11	"	25.00	2.8	11
12	"	22.00	2.3	12
13	Ⓒ and Ⓓ Line, Crest of Spillway	20.00	4.1	13
14	Ⓒ and Ⓓ Line, Earthfill Dam	32.00	4.3	14
15	Phnom Samboc Line, Earthfill Dam	32.00	3.5	15
16	"	30.50	2.8	16
17	"	31.00	3.3	17
18	"	24.50	4.2	18
19-1	Alternative Navigation Channel	17.00	5.0	19
19-2	"	25.50	2.0	20
20	Ⓒ Line, Earthfill Dam, (Left bank)	25.00	4.0	21
21	"	21.50	2.5	22
22	"	24.60	2.0	23
23	"	31.90	1.1	24
24	"	34.30	1.6	25
25	"	36.50	5.0	26
26	"	34.70	1.8	27
27	Ⓒ and Phnom Samboc Line, Earthfill Dam	35.20	1.8	28

Holes	Location	Elevation (m)	Depth of Hole (m)	Log Sheet No
AH-28	©and Phnom Samboc Line, Earthfill Dam	35.90	2.3	29
29	"	31.00	3.4	30
30	"	39.50	1.1	31
31	"	40.00	1.2	32
31'	"	39.00	2.0	33
32	"	39.00	2.8	34
33	"	39.00	2.0	35
34	"	39.50	2.5	36
35	"	48.00	2.5	37
36	"	39.50	2.7	38
37	Upstream side of ©Line, Left bank	35.00	1.6	39
38	"	35.50	2.0	40
39	"	33.00	0.8	41
40	©'Line, Earthfill Dam, Left Bank	19.50	3.0	42
41	Downstream side of ©'Line, Left bank	27.50	5.0	43
42	"	42.00	2.4	44
43	"	39.50	2.0	45
44	"	35.00	1.2	46
45	"	34.00	1.2	47
46	"	21.00	1.2	48
47	"	28.00	1.0	49
48	Phnom Samboc Line, Earthfill Dam, Left bank	28.00	1.2	50
49	"	27.00	1.0	51
50	"	21.50	3.5	52
51	Downstream side of ©Line, Left bank	21.00	5.0	53
52	" of ©'Line, "	20.00	4.8	54
53	Upstream side of Phnom Samboc Line, Left bank	20.50	6.0	55
61	Phnom Samboc Line, Left bank	20.00	0.7	56 * *
62	"	19.00	4.0	57 * *

(3 - 3)

Holes	Location	Elva-tion (m)	Depth of Hole (m)	Log Sheet No	
AH-63	Phnom Samboc Line, Left bank	20.00	0.8	58	* *
64	"	20.00	0.7	59	* *
72	©and Ⓓ Line, Floodway of Spillway	20.00	2.5	60	* *
73	"	20.00	5.0	61	* *

Note ;

* 位置は本格調査非二次中間報告書(8) DWG. NO. HO-0202 に示す.

** 下記の各孔は昭和39年度舟航調査報告のオーガーホールの各孔に相当する.

AH - 61 は AH 6408
〃 62 は 〃 6409
〃 63 は 〃 6410
〃 64 は 〃 6411
〃 72 は 〃 6422
〃 73 は 〃 6423

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

EXCAVATION NUMBER AH - 01

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Right Bank
CO-ORDINATES : E 608 Km 870 N 1.392 Km 260
R.L. GROUND 22 m 00
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10 cm dia.

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. no cohesion dry in place.					
SILTY GRAVEL	GM	containing sand stone	0.5				5cm dia. fragments.
LATERITE	SC	reddish brown. with lateritic nodules					
SILTY CLAY	CL	pale red. fine medium consistency with no fragments	1.0			AH-01-1	
CLAYEY SILT	CL	olive yellow weathered soil fine low consistency, with no fragments	1.5			AH-01-2	
			2.0				
			2.5				
			3.0			AH-01-3	moisture content 8.8 %
			3.5				
			4.0				
			4.5				
			5.0	Base of hole 5.0 m			
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan.
COMMENCED 23. Nov. '63
COMPLETED 23. Nov. '63

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

105

SHEET NO. 2

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

EXCAVATION NUMBER
AH - 02

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT. CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 606 Km 170, N 1393 Km 520 R L. GROUND 25 m 00

DETAILS OF LOCALITY TYPE OF EXCAVATION 10 cm dia.

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 SAND	CL	pink, fine, low consistency, moist.	0.5		AH-02-1	moisture content 14 9 %
LATERITE	SC	reddish brown, with lateritic nodules	1.0			
		light red, fine to medium consistency, wetted	1.5		AH-02-2	moisture content 16 9 %
SILTY CLAY	CL	pink, fine cohesive wetted hard in dry states	2.0			
			2.5		AH-02-3	moisture content 17 .6 %
			3.0			
			3.5		AH-02-4	moisture content 18.2 %
			4.0			
SANDY SILT	ML	yellow, fine, low consistency wetted.	4.5			water level .23 Nov. '63
			5.0			
			5.5			
			6.0	Base of hole 6.0 m		
			6.5			

HOLE MADE BY Japan
COMMENCED 23. Nov. '63.
COMPLETED 23. Nov. '63.

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

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

EXCAVATION NUMBER
AH - 03

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 604 Km 500 N 1.393 Km 980 R L. GROUND 30 m 50

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia.

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 brown, fine					
LATERITE	SC	reddish brown with lateritic nodules 1 cm dia.	0.5				
CLAY	CH	yellow, cohesive with no fragments walled	1.0			AH - 03 - 1,5	moisture content 25 5 %
CLAYEY SILT	ML	yellow, fine, low consistency.	1.5				
			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 Japan
COMMENCED 24 Nov. '63
COMPLETED 24. Nov. '63.

LOGGED BY T K.
DRAWN BY T K.
CHECKED BY _____

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

EXCAVATION NUMBER AH-04

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 603 Km 460 N 1395 Km 070 R.L. GROUND 31 m 00

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia

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	reddish brown, fine.					
LATERITE	SC	reddish brown, with lateritic nodules 0.5 cm dia	0.5				
CLAY	CH	pale yellow, cohesive with no fragments, wetted	1.0			AH-04-1	moisture content 16.5 %
SILTY CLAY	CL	yellow, medium consistency, wetted	1.5				
		yellow low to medium consistency moist, contained 0.5 ~ 3 cm dia. coarse grains	2.0			AH-04-2	moisture content 19.0 %
CLAYEY SILT	CL		2.5				
			3.0			AH-04-3	moisture content 19.6 %
			3.5				
			4.0			AH-04-4	moisture content 16.3 %
			4.5				
			5.0	Base of hole 4.8 m			
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 24. Nov '63
COMPLETED 24. Nov. '63

LOGGED BY T. K
DRAWN BY T. K
CHECKED BY _____

SHEET NO. 5

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

EXCAVATION NUMBER AH - 05

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 602 Km 000, N 1397 Km 570 R.L. GROUND 37 m 00

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia.

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
LATERITE	SM	pale yellow. with laterite nodules dark reddish brown, with laterite nodules 0.5 ~ 1.0 cm dia moist.	0.5		AH-05-05	moisture content 9.4 %
SILTY CLAY	CH	olive yellow. medium to high consistency	1.0			
CLAYEY SILT	CL	olive yellow. low consistency. with sandstone fragments dia 1 ~ 3 cm. moist.	1.5 2.0		AH-05-2	moisture content 19 3 %
		light olive brown	2.5 3.0		AH-05-3	moisture content 14 8 %
			3.5 4.0		AH-05-4	moisture content 18 8 %
				Base of hole 4 0 m		
			4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 24. Nov. '63.
COMPLETED 24. Nov. '63.

LOGGED BY T. K.
DRAWN BY T. K.
CHECKED BY _____

SHEET NO. 6

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

EXCAVATION NUMBER
AH - 06

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 609 Km 210 N 1393 Km 080 R.L. GROUND 20 m 00

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia.

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	dark red fine low cohesion moist with no coarse grains.	0.5 – 1.0			AH-06-1	moisture content 15.1 %
SANDY SILT	ML	yellowish brown.	1.5				
LATERITE	SC	reddish brown. include nodules 1.0 cm dia. moist.	2.0			AH-06-2	moisture content 15.6 %
SILTY CLAY	CL	yellow medium consistency. include weathered shale fragments.	2.5			AH-06-3	moisture content 11.7 %
CLAYEY SILT	CL	yellow. fine	3.0 – 3.5				
			3.7	Base of hole	3.7 m		
			4.0 – 6.5				

HOLE MADE BY Japan
COMMENCED 25. Nov. '63.
COMPLETED 25. Nov. '63.

LOGGED BY T. K.
DRAWN BY T. K.
CHECKED BY _____

SHEET NO. 7

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

EXCAVATION NUMBER AH-07

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT. CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 605 Km 960 N 1393 Km 690 R.L. GROUND 25 m 00

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10cm dia

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	Pink, dried.					
SILTY CLAY	CL	reddish yellow fine, moist.	0.5			AH-08-1	water level after drilling hole moisture content 10.7 %
LATERITE	SC	reddish brown, include lateritic nodules 0.5 ~ 1.0 cm dia moist.	1.5				
SANDY CLAY	SC	reddish yellow, cohesive, with coarse grain 0.5 cm dia	2.0			AH-08-2	moisture content 10.8 %
		yellow, wetted with no coarse grains.	2.5			AH-08-3	moisture content 20.4 %
			3.0				
			3.5			AH-08-4	moisture content 18.6 %
			4.0				
			4.5			AH-08-5	moisture content 19.1 %
			5.0	Base of hole 5.0 m			
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan.
COMMENCED 25. Nov. '63.
COMPLETED 25. Nov. '63.

LOGGED BY T. K.
DRAWN BY T. K.
CHECKED BY _____

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SHEET NO. 8

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

EXCAVATION NUMBER AH-08

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Right Bank
CO-ORDINATES : E 607 Km 350 N 1 390 Km 070
R.L. GROUND 25 m 00
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10 cm dia.

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	pink. Include lateritic nodules 0.5 cm dia.	0.5			
CLAYEY SILT	CL	yellow, fine medium consistency, with no coarse grains.	1.0 / 1.5 / 2.0 / 2.5		AH-08-1 / AH-08-2	moisture content 19.1 % / moisture content 21.7 %
CLAYEY SILT	CL	yellow low consistency, with no coarse grains.	3.0 / 3.5 / 4.0		AH-08-3 / AH-08-4	moisture content 15.1 % / moisture content 13.6 %
SAND STONE		weathered	4.5	Base of hole 4.5 m		
			5.0 / 5.5 / 6.0 / 6.5			

HOLE MADE BY Jappan
COMMENCED 26 Nov. '63.
COMPLETED 26. Nov. '63.

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

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SHEET NO. 9

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

EXCAVATION NUMBER AH-09

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 604 Km 000 N 1,396 Km 400 R.L. GROUND 30 m 0

DETAILS OF LOCALITY thin forest TYPE OF EXCAVATION 10 cm dia.

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	brown silt.					
LATERITE	SC	dark brown laterite include nodule (1.0 cm - 0.1 cm dia)	0.5				
SILT	CL	yellowish brown clayey silt.					moist.
SAND STONE	CL	olive yellow, highly weathered, sand stone, include few lime stone fragments (2.5 cm - 3.0 cm dia)	1.0			AH-09-1	moisture content 13.6 %
			1.5				
			2.0			AH-09-2	moisture content 13 3 %
			2.5	Base of hole 2 5 m			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 10. Dec '63
COMPLETED 10. Dec 63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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SHEET NO. 10

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

EXCAVATION NUMBER AH - 10

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 604 Km 800 N 1.396Km 100 R.L. GROUND 30 m5

DETAILS OF LOCALITY thin fovest TYPE OF EXCAVATION 10 cm dia.

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		pink. pale gray	0.5			AH-10-0.5	include nodules (1.0 cm dia) & weathered shale fragment (3.0 cm dia) moist.
CLAY		yellowish brown & pale green.	1.0			AH-10-1	soft.
SHALE		pale yellow weathered shale hold pale green clay. include weathered shale fragments (10 cm dia)	1.5			AH-10-1.7	moist & easily form by griping. a little adhesive. very hard.
				Base of hole 1.7 m			

moisture content
0.5 m 15.2 %
1.0 m 14.6 %
1.7 m 10.0 %

HOLE MADE BY Japan
COMMENCED 11. Dec '63
COMPLETED 11. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

SHEET NO. 11

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

EXCAVATION NUMBER AH - 11

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT. CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 605 Km 720 N 1396 Km 000 R.L. GROUND 25 m ø

DETAILS OF LOCALITY TYPE OF EXCAVATION 10 cm dia.

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	dark brown.					
LATERITE	SC	yellow. moist.					
		reddish yellow moist.	0.5				
SILTY CLAY	CH	yellow. cohesive. with no coarse grains wetted.	1.0			AH-11-1	moisture content 20.8 %
			1.5				
			2.0			AH-11-2	moisture content 21.4 %
		yellow, weathered shale. with no coarse grains.	2.5			AH-11-2.5	moisture content 14.0 %
				Base of hole 2.8m			
			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 26. Nov. '63.

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

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SHEET NO. 12

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

EXCAVATION NUMBER AH - 12

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 606 Km 200 N 1.395 Km 700 R.L GROUND 22 m 0

DETAILS OF LOCALITY thin forest border on grass field TYPE OF EXCAVATION 10 cm dia.

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
LATERITE	SC	brown laterite include nodules (0.5 cm dia) & hold few clay,	0.5			near surface many plant roots,
SHALE	CH	pale yellow, highly weathered. & decomposed clayey shale.	1.0		AH-12-1	moist, moisture content 16.7 %
		include lime stone sandstone & shale fragments	1.5			
			2.0		AH-12-2	moisture content 17.7 %
			2.5	Base of hole 2.3 m		
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japon
COMMENCED 11. Dec '63
COMPLETED 11. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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SHEET NO. 13

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

EXCAVATION NUMBER AH - 13

TEST PIT AND AUGER HOLE LOG.

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 608 Km 200 N 1392 Km 700 R.L. GROUND 20 m 0

DETAILS OF LOCALITY thin forest border on grass field TYPE OF EXCAVATION 10 cm dia.

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	SC	whity gray silty sand.				
		whitish brown silty sand, with laterite.	0.5			moist.
		reddish yellow highly weathered shale hold pale green clay	1.0		AH - 13 - 1	moisture content 13.7 %
			1.5			
SHALE	CH	below 2 m include weathered lime stone fragments.	2.0		AH - 13 - 2	moisture content 16.9 %
		easily can form by grip. yellowish red.	2.5			
			3.0			
			3.5			
			4.0		AH 13 - 4	moisture content 17.35 %
				Base of hole 4.1 m		
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 12. Dec '63
COMPLETED 12. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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

EXCAVATION NUMBER
AH - 14

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 607 Km 000 N 1.392 Km 900 R.L. GROUND 32 m 00

DETAILS OF LOCALITY Jungle TYPE OF EXCAVATION 10 cm dia.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
	ML	red brown silty sand					
SILTY SAND	SM	reddish yellow, silty sand. fine, no cohesive with no coarse grains.	0.5				
			1.0			AH - 14 - 1	moisture content 7.3 %
			1.5				
		light red.	2.0			AH - 14 - 2	include laterite nodule.
CLAYEY SAND	SC	light red. sandy silt hold white & red clay	2.5				moisture content 8.6 %
			3.0			AH - 14 - 3	moisture content 15.4 %
			3.5				
			4.0				
			4.5	Base of hole	4.3 m		
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 12. Dec '63
COMPLETED 12. Dec '63

LOGGED BY N. Y.
DRAWN BY
CHECKED BY

SHEET NO.15

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

EXCAVATION NUMBER AH-15

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT. CAMBODIA — FEATURE Right Bank

CO-ORDINATES : E 605 Km150 N1392 Km 600 — R.L. GROUND 32 m 00

DETAILS OF LOCALITY thin forest. — TYPE OF EXCAVATION 10 cm dia.

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	dark gray silt. yellowish brown silt brown silt include laterite nodule. (08 cm dia)	0.5				
CLAY	CH	yellow, cohesive. with no coarse grains	1.0 1.5 2.0 2.5			AH-15-1 AH-15-2	moisture content 17.4 % moisture content 18.8 %
SAND STONE	SM	yellowish brown fine sand. weathered sand stone	3.0			AH-15-3	moisture content 14.1 %
			3.5	Base of hole 3.5 m			
			4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 14. Dec '63
COMPLETED 14. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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SHEET NO. 16

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

EXCAVATION NUMBER
AH - 16

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 605 Km 500 N 1391 Km 700 R.L. GROUND 30 m 50

DETAILS OF LOCALITY Jungle TYPE OF EXCAVATION 10 cm dia.

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 yellowish brown . silty .	0.5			
SILTY CLAY	CH	with clay few colour change to reddish yellow & hold clay	1.0		AH - 16 - 1	moisture content 14.9 %
CLAYEY SAND	SC	reddish brown fine sand & hold white clay very cohesive	1.5 2.0 2.5		AH - 16 - 2	moisture content 17.7 %
			3.0	Base of hole 2.8 m		
			3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 14. Dec. '63
COMPLETED 14. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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SHEET NO. 17

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

EXCAVATION NUMBER AH - 17

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT. CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 606 Km 500 N 1391 Km 250 R.L. GROUND 31 m 00

DETAILS OF LOCALITY Jungle TYPE OF EXCAVATION 10 cm dia.

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	whity gray & yellowish brown silt .	0.5				
SAND	SM	pink . fine sand hold pale gray silt .	1.0			AH - 17 - 1	moist . moisture content 11.1 %
			1.5				
SILTY CLAY	CL	red . sand include laterite nodule . (1.0 cm dia)	2.0			AH - 17 - 2	moisture content 10.3 %
		reddish yellow hold red & white clay .	2.5				
			3.0			AH - 17 - 3	moisture content 12.6 %
			3.5	Base of hole 3.3 m			
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 15 Dec '63
COMPLETED 15. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

21

SHEET NO.18

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

EXCAVATION NUMBER
AH - 18

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 607 Km 500 N 1390 Km 700 R.L. GROUND 24 m 50

DETAILS OF LOCALITY grass field TYPE OF EXCAVATION 10 cm dia.

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	whity gray silt hold - clay.	0.5			
	SC	light red, cohesive	1.0		AH-18-1	few laterite nodule.
SILTY CLAY	CH	reddish yellow.	1.5			easily can form by griping. but water does not ooze out.
		include weathered lime stone fragments, (30 cm dia)	2.0		AH-18-2	
			2.5			
			3.0			
			3.5			
		Very soft.	4.0		AH-18-4	under - ground water level 4.0 m water saturate
				Base of hole 4.2 m		
			4.5			
			5.0			moisture content 1.0 m 14.0 % 2.0 m 18.1 % 4.0 m 23.9 %
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 15. Dec '63
COMPLETED 15. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

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SHEET NO. 19

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

EXCAVATION NUMBER AH - 19 - 1

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 607 Km 150 N 1.386 Km 800 R.L. GROUND 17 m 00

DETAILS OF LOCALITY grass field TYPE OF EXCAVATION 10 cm dia.

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	CL	black soil. dark red. clayey silt.	0.5		AH-19-1-1	include many organism. moisture content 19.7 %
SILTY CLAY	CL	chocolate colour silty clay. medium cohesion.	1.5, 2.0, 2.5		AH-19-1-2	moisture content 22.7 % ▶ sedimentory sand of burried river channel.
CLAYEY SILT	ML	dark red. clayey silt	3.0		AH-19-1-3	moisture content 23.25 %
SILT	CL	dark red clayey silt.	3.5, 4.0		AH-19-1-4	moisture content 19.70 %
SAND	ML	dark red. clayey fine sand.	4.5			
			5.0	Base of hole 5.0 m		near this hole many rice fields.
			5.5, 6.0, 6.5			

HOLE MADE BY Japan
COMMENCED 17. Dec '63
COMPLETED 17. Dec '63

LOGGED BY N. Y
DRAWN BY
CHECKED BY

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SHEET NO.20

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

EXCAVATION NUMBER AH - 19 - 2

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Right Bank

CO-ORDINATES : E 605 Km 400 N 1388 Km 700 R L GROUND 25 m 50

DETAILS OF LOCALITY entrance of jungle TYPE OF EXCAVATION 10cm dia.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No	COMMENTS
		gray & brown silty clay.					moist.
SILTY CLAY	CL	red. silty clay	0.5			AH-19-2-1	
			1.0				moisture content 16 4 %
SANDY CLAY	CL	yellow	1.5				
			2.0	Base of hole 2.0 m		AH-19-2-2	water saturate
							moisture content 29.05 %
							near this hole water well dug by farmer. water level of this well is also below surface 1.8 m

HOLE MADE BY Japan
COMMENCED 17. Dec. '63
COMPLETED 17. Dec '63

LOGGED BY N. Y.
DRAWN BY
CHECKED BY

SHEET NO. 21

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

EXCAVATION NUMBER
AH-20

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Left Bank
CO-ORDINATES : E 612 Km 800 N 1.393 Km 050
R.L. GROUND 25 m 00
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10cm dia

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. fine.				
SILTY CLAY	CL	reddish yellow, fine.	05			
		brownish yellow, weathered sandstone, fine, with no fragments.	10		AH-20-1	moisture content. 8.4 %
			15			
SILT	CL	yellow. weathered sandstone. fine slightly cohesive, with no fragments.	20		AH-20-2	moisture content. 11 9 %
			25			
			30		AH-20-3	moisture content. 7 5 %
			35			
			40		AH-20-4	moisture content. 8.9 %
		Base of hole. 4.0m	45			
			50			
			55			
			60			
			65			

HOLE MADE BY
COMMENCED
COMPLETED

LOGGED BY
DRAWN BY
CHECKED BY

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

EXCAVATION NUMBER AH - 21

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES . E 612 Km 900 N 1,392 Km 300 R.L. GROUND 21 m 50

DETAILS OF LOCALITY ____ TYPE OF EXCAVATION 10 cm dia

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	C L	yellowish brown, weathered soil.					
LATERITE	S C	reddish brown with lateritic nodules.	0.5				
CLAYEY SILT	C L	yellow, weathered soil with shale fragments. moist in place.	1.0			AH-21-1	moisture content 12.3 %
		light olive brown, weathered soil with coarse fragments. moist in place.	1.5			AH-21-2	moisture content. 15.1 % hard.
			2.0				
			2.5	Base of hole. 2.5m			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY ____ LOGGED BY ____

COMMENCED ____ DRAWN BY ____

COMPLETED ____ CHECKED BY ____

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SHEET NO. 23

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

EXCAVATION NUMBER
AH - 22

TEST PIT AND AUGER HOLE LOG

LOCATION SAM BOR PROJECT, CAMBODIA FEATURE Left Bank
CO-ORDINATES E 613 Km 450 N 1391 Km 400 R L GROUND 24 m 60
DETAILS OF LOCALITY TYPE OF EXCAVATION 10 cm dia.

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	CH	organic clay	05			
SILTY CLAY	CL	very dusky red clay with organic soil & lateritic nodules	10 15		AH-22-1	moisture content 22 0 %
SHALE		olive yellow weathered shale	20	Base of hole. 2 0 m	AH-22-2	moisture content 21 % ◀ water level Nov '63
			25 30 35 40 45 50 55 60 65			

HOLE MADE BY
COMMENCED
COMPLETED

LOGGED BY
DRAWN BY
CHECKED BY

(27)

SHEET NO. 24

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

EXCAVATION NUMBER AH-23

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 614 Km 200 N 1,390 Km 800 R.L. GROUND 31 m 90

DETAILS OF LOCALITY TYPE OF EXCAVATION 10 cm dia.

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	yellow, fine					
LATERITE	SC	reddish brown, dry to moist in place					with lateritic nodules
CLAYEY SILT	CL	pale yellow, fine with weathered shale fragments. weathered shale.	0.5 – 10			AH-23-1	moist in place. moisture content. 10.6 %
				Base of hole. 1.1m			hard.

0.5 10 15 20 25 30 35 40 45 50 55 60 65

HOLE MADE BY

COMMENCED

COMPLETED

LOGGED BY

DRAWN BY

CHECKED BY

28

SHEET NO. 25

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

EXCAVATION NUMBER
AH - 24

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Left Bank
CO-ORDINATES : E 614 Km 050 N 1390 Km 600
R L GROUND 34 m 30
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10 cm dia.

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	C L	reddish brown, moist in place reddish brown, weathered shale, moist in place strong brown, weathered shale, brown, weathered shale.	0.5 1.0 1.5			AH-24-1 AH-24-1.5	moisture content, 13 6 % moisture content, 9 5 %
			2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5	Base of hole 1.6 m			

HOLE MADE BY
COMMENCED
COMPLETED

LOGGED BY
DRAWN BY
CHECKED BY

729

SHEET NO. 26

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

EXCAVATION NUMBER
AH - 25

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 614 Km 720 N 1.390 Km 600 R.L. GROUND 36 m 50

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
TOP SOIL		black.					
CLAYEY SILT	CL	yellow.	0.5				
LATERITE	CH	reddish brown with lateritic nodules	1.0			AH-25-1	moisture content. 16 3 %
SILTY CLAY	CL	light olive brown. with weathered shale fragments.	1.5 2.0			AH-25-2	moisture content. 22 0 %
		yellowish brown. with weathered shale fragment (5cm dia)	2.5			AH-25-3	moisture content 15. 6 %
			3.0	Base of hole. 5.0 m			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

130

SHEET NO. 27

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

EXCAVATION NUMBER
AH - 26

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 615 Km 020 N 1.390 Km 000 R.L GROUND 34 m70

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10cm dia.

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	ML	pale brown, fine.				
		yellow, fine, moist in place.	0.5			
CLAYEY SILT	CL	yellow, low consistency, with weathered sanostone fragments, (3 cm dia) moist in place	1.0		AH-26-1	moisture content. 12 8 %
SILTY CLAY	SC	pale olive, with coarse fragments.	1.5		AH-26-1.8	moisture content. 11 1 %
			2.0	Base of hole. 1.8m		
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

731

SHEET NO. 28

EXCAVATION NUMBER
AH - 27

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 615 Km 400 N 1.389 Km 020 R L GROUND 35 m 20

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia.

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	CL	yellow, moist in place.				
LATERITE	SC	reddish brown, moist in place.	0.5			
CLAYEY SILT	CL	yellow, weathered shale, moist in place.	1.0		AH-27-1	moisture content. 17.0 %
			1.5		AH-27-1B	moisture content. 14.5 %
			2.0	Base of hole. 1.8m		hard.
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

132

SHEET NO. 29

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

EXCAVATION NUMBER AH - 28

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES . E 615 Km 420 N 1388 Km 700 R.L. GROUND 35 m 90

DETAILS OF LOCALITY TYPE OF EXCAVATION 10cm dia

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
TOP SOIL	OH	dark brown, organic soil.					
LATERITE	SC	reddish brown, moist in place.	0.5				
CLAYEY SILT	SC	dark yellowish brown, with weathered sandstone fragments, moist in place.	1.0			AH-28-1	moisture content. 13.3 %
	CL	pale yellow, with slight consistency.	1.5				
			2.0			AH-28-2	moisture content. 10.6 %
			2.5	Base of hole. 2.3 m			hard.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

133

SHEET NO. 30

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

EXCAVATION NUMBER AH-29

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 617 Km 100 N 1.388 Km 450 R.L. GROUND 31 m 00

DETAILS OF LOCALITY thin forest TYPE OF EXCAVATION 10 cm dia.

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	yellowish brown, fine silt.	0.5				hard.
SILTY SAND	SM	olive yellow. silty sand include weathered sand stone fragments (1.5 cm ~ 3.0 cm dia)	1.0 1.5			AH-29-1	moisture content 10.0 %
SAND STONE	SC	pale olive. weathered sand stone include sand stone fragments (1.5 cm dia) & lime stone fragments.	2.0 2.5 3.0			AH-29-2 AH-29-3	moisture content 12.0 % easily can form by griping moisture content 4.75%
			3.5	Base of hole	3.4 m		
			4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 9. Dec '63
COMPLETED 9. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

134

SHEET NO. 31

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

EXCAVATION NUMBER AH-30

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 618 Km 100 N 1387 Km 4 500 R.L. GROUND 39 m 50

DETAILS OF LOCALITY thia forest TYPE OF EXCAVATION 10 cm dia.

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	dark brown silt.					many plant root
LATERITE	CL	dark red, include 0.5cm dia. nodules.	0.5				hard & dry up.
		include 0.2cm dia nodules.	1.0			AH-30-1	silty clay, very hard.
SAND STONE		chocolate colour highly weatherad sand stone.		Base of hole 1.1 m			moisture 9.25 %
			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 9.Dec '63
COMPLETED 9. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

735

SHEET NO. 32

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

EXCAVATION NUMBER AH - 31

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 618 Km 300 N 1387 Km 900 R.L. GROUND 40 m 00

DETAILS OF LOCALITY thin forest TYPE OF EXCAVATION 10 cm dia.

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	dark brown Yellowish brown. Yellowish brown.	0.5				many plant root. include nodule (05 ~ 1.0 cm dia) & gravel (1.5 cm dia)
SILTY CLAY	CH	dark reddish gray. cohesive.	1.0			AH - 31 - 1	moist include lime ston fragments. (10 cm - 20 cm dia)
SAND STONE		weathered sand stone. dark red.					hold pale grey clay
				Base of hole 1 2 m			moisture content 1 0 m 14.25 %
			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 9. Dec '63
COMPLETED 9. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

136

SHEET NO. 33

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

EXCAVATION NUMBER AH-31

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 619 Km 500 N 1387 Km 300 R L. GROUND 39 m 00

DETAILS OF LOCALITY thin forest TYPE OF EXCAVATION 10 cm dia

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 yellowish brown					include few gravel (3.0 cm dia)
LATERITE	SC	yellowish brown laterite nodule many.	0.5				include few gravel (10 cm dia)
SANDY CLAY	CL	yellowish brown sand include clay	1.0			AH-31-1	moisture content 11.25 %
		dark red. fine sand. include clayey weathered shale.	1.5				
	ML		2.0	Base of hole 2.0 m		AH-31-2	moisture content 6.55 %
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 20. Dec '63
COMPLETED 20. Dec '63

LOGGED BY N.Y.
DRAWN BY
CHECKED BY

SHEET NO. 34

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

EXCAVATION NUMBER AH-32

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA — FEATURE Left Bank

CO-ORDINATES : E 617 Km 600 N1.386 Km 800 — R.L. GROUND 39 m 00

DETAILS OF LOCALITY thin forest — TYPE OF EXCAVATION 10 cm dia.

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	SM	whity gray, dry in place.				
		pale yellow, fine, slightly cohesive, dry in place.	0.5			
		many white lime stone fragments.	1.0		AH-32-1	moisture content 7 1 %
SILTY SAND	CL	reddish-brown, fine slightly cohesive, dry in place.	1.5			include white lime stone fragment (0.5 cm length)
		dark red, fine slightly cohesive, dry in place.	2.0		AH-32-2	moisture content 4 7 %
			2.5			include white lime stone fragment. (0 5cm length)
				Base of hole. 2 8 m		
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 20, Dec '63
COMPLETED 20, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

138

SHEET NO. 35

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

EXCAVATION NUMBER AH-33

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 619 Km 700 N1386 Km 400 R.L. GROUND 39m00

DETAILS OF LOCALITY thin forest. TYPE OF EXCAVATION 10cm dia.

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	SM	brown.					
SILTY CLAY	CL	dark red fine, medium consisteney, dry to moist in place.	0.5			AH-33-1	moisture content. 12 9 %
SILTY SAND	CL	dark red, fine. low consistency, dry to moist in place.	1.0 1.5 2.0			AH-33-2	moisture content. 11. 1 %
				Base of hole 2 0 m			
			2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 19, Dec '63
COMPLETED 19, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

139

SHEET NO 36

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

EXCAVATION NUMBER AH - 34

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 620 Km 500 N 1385 Km 900 R.L. GROUND 39 m 50

DETAILS OF LOCALITY grass field TYPE OF EXCAVATION 10 cm dia.

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	CL	reddish yellow, fine, low consistuency, dry in place.	0.5		AH-34-1	moisture content, 4.3 %
		grayish brown, fine, dry in place.	1.0			
		brown, fine include laterite.	1.5			
		dark red, fine include laterte. low consistency, dry in place.	2.0		AH-34-2	moisture content, 8 2 %
		dark red, highly weathered & decomposed sandstone.	2.5	Base of hole 2 5 m		very dry up swamp is near this hole about 30 m.
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 19, Dec '63
COMPLETED 19, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

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

EXCAVATION NUMBER A·H - 35

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES. E 623 Km 400 N 1386 Km 100 R.L. GROUND 48 m00

DETAILS OF LOCALITY thin forest TYPE OF EXCAVATION 10cm dia.

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	whity gray, with latentic nodules. (10cm dia)	0.5				
CLAY	CH	pink, fine, highly weathered & decomposed shale.	1.0			AH-35-1	moisture content. 16.8 %
		yellow, fine, weathered shale include weathered lime stone fragments, high consistency, moist in place;	1.5				
			2.0			AH-35-2	moisture content. 19.1 %
			2.5	Base of hole, 2.5 m			
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 18, Dec '63
COMPLETED 18, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

141

SHEET NO. 38

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

EXCAVATION NUMBER
AH - 36

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 624 Km 650 N 1387 Km 200 R.L. GROUND 39 m 50

DETAILS OF LOCALITY bamboo grove TYPE OF EXCAVATION 10 cm dia.

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	SM	dark gray, fine. grayish black.	0.5				
LATERITE	S C	dusky red, with lateritic nodules (5 mm dia)	1.0			AH-36-1	moisture content. 16.2 %
SHALE CLAY	CH	pale olive, fine, weathered shale, high consistency, moist in place	1.5 2.0 2.5			AH-36-2	moisture content. 21.1 % hard.
			3.0	Base of hole. 2 7 m			
			3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 18. Dec '63
COMPLETED 18. Dec '63

LOGGED BY n. y.
DRAWN BY
CHECKED BY

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

EXCAVATION NUMBER AH-3.7

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA — FEATURE Left Bank

CO-ORDINATES E 615 Km 000 N 1,393 Km 700 — R.L. GROUND 35 m00

DETAILS OF LOCALITY thin forest — TYPE OF EXCAVATION 10cm dia.

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 CLAY	G C	light reddish brown, sand & gravel. (5cm dia) weathered conglomerate, dry in place.	0.5			almost dry up.
		dark brown	1.0		AH-37-10	moisture content, 8 1 %
		brownish yellow. with sandstone & lime stone frogments (2.0cm length), cohesive.	1.5		AH-37-15	moisture content, 9 8 %
		Base of hole. 1 6 m	2.0		AH	very difficult for auger boring.
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 21, Dec '63
COMPLETED 21, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

163

SHEET NO 40

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

EXCAVATION NUMBER AH - 38

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Left Bank
CO-ORDINATES : E 614 Km 800 N 1392 Km 700
R L GROUND 35 m 50
DETAILS OF LOCALITY thin forest
TYPE OF EXCAVATION 10 cm dia.

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	SM	reddish gray, with weathered shale fragments (1.0 cm length)	0.5				
SILTY CLAY	CL	olive yellow, with weathered shale fragments (1.0 cm length). medium consistency.	1.0			AH-38-1	moisture content, 10 9 %
		yellowish brown, include weathered shale & limestone fragments, (2.0 cm length).	1.5				
CLAYEY SAND	SC	light olive brown, weathered shale	2.0	Base of hole. 2.0m		AH-38-2	include clay. moisture content, 10.5 %
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 23, Dec '63
COMPLETED 23, Dec '63

LOGGED BY n. y.
DRAWN BY
CHECKED BY

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

EXCAVATION NUMBER AH - 39

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES. E 614 Km 250 N 1391 Km 800 R.L GROUND 33 m 00

DETAILS OF LOCALITY bamboo grove bordaron forest TYPE OF EXCAVATION 10 cm dia.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
TOP SOIL	ML	blackish brown.					include weathered shale fragment. (1.0cm length)
CLAYEY SILT	CL	yellow, highly weathered shale.	0.5			AH-39 -0.8	moisture content. 8.4 %
		yellow, weathered shale.	1.0	Base of hole 0.8m		AH-39 -1.0	hard.
			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 23, Dec '63
COMPLETED 23, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

SHEET NO 4 2

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

EXCAVATION NUMBER
AH - 40

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA
FEATURE Left Bank
CO-ORDINATES . E 611 Km800 N1.395 Km780
R L. GROUND 19 m 50
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10cm dia.

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
TOP SOIL	OH	dark brown, dry in place.					
CLAYEY SILT	CL	reddish yellow, fine, low consistency, moist in place.	0.5				
LATERITE	SC	reddish yellow.	1.0			AH-40-1	moisture content. 11.4 %
CLAYEY SILT	C L	yellow medium consistency, with weathered shale fragments, moist in place.	1.5				
		yellow, with weathered shale fragments.	2.0			AH-40-2	moisture content. 11 6 %
	C L		2.5				
			3.0	Base of hole. 3.0 m		AH-40-3	moisture content. 9 4 % hard.
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY
COMMENCED
COMPLETED

LOGGED BY
DRAWN BY
CHECKED BY

SHEET NO. 43

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

EXCAVATION NUMBER AH-41

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA — FEATURE Left Bank

CO-ORDINATES : E 613 Km 250 N 1397 Km 350 — R.L. GROUND 27 m 50

DETAILS OF LOCALITY — TYPE OF EXCAVATION 10cm dia.

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	S M	red, yellow. with calcarious nodules, moist in place.	0.5 – 1.0 – 1.5		AH-41-1	moisture content, 12.0 %
SILTY CLAY	C H					
CLAYEY SILT	C L	yellow. soft weathered sandstone. medium consistency, dry to moist in place.	2.0 – 2.5 – 3.0 – 3.5 – 4.0 – 4.5 – 5.0		AH-41-2	moisture content. 10.6 %
					AH-41-3	moisture content. 5.1 %
					AH-41-4	moisture content. 3.9 %
					AH-41-5	moisture content. 3.2 %
			5.5 – 6.0 – 6.5	Base of hole. 5.0m		

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

SHEET NO 44

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

EXCAVATION NUMBER AH - 42

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 615 Km 860 N 1398 Km 320 R.L. GROUND 42 m 00

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 10 cm dia

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	SM	dark brown, fine, containing organic soil.					dry to moist in place.
LATERITE	SC	reddish brown fine. with laterite nodules.	0.5				dry to moist in place.
CLAYEY SILT	CL	yellow, with weathered shale fragments, medium consistency moist in place.	1.0			AH-42-1	moisture content. 15.1 %
			1.5				
			2.0			AH-42-2	moisture content. 11.7 %
SHALE			2.5	Base of hole, 2.4 m			hard.
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

SHEET NO:45

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

EXCAVATION NUMBER AH - 43

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 617Km 700 N 1400 Km 310 R L. GROUND 39m 50

DETAILS OF LOCALITY TYPE OF EXCAVATION 10cm dia.

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	SM	pale reddish brown,					dry to moist in place.
LATERITE	SC	yellow, with lateritic nodules.					dry to moist. inplace.
		reddish yellow, with lateritic nodules.	0.5				moist in place.
SILTY CLAY	CH	yellow, with wethered shale fragments, moist in place.	1.0			AH-43-1	moisture content. 18.8 %
CLAYEY SILT	CL	yellow, with weathered shale fragments, moist in place.	1.5			AH-43-2	moisture content. 12.9 %
			2.0	Base of hole. 2.0m			
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

LOGGED BY _____
DRAWN BY _____
CHECKED BY _____

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

EXCAVATION NUMBER AH-44

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 615 Km 700 N 1,397 Km 400 R.L. GROUND 35 m 50

DETAILS OF LOCALITY bamboo grove (ridge of hill) TYPE OF EXCAVATION 10cm dia.

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	SM	dark gray.					include pebble. (0.3cm dia)
CLAYEY GRAVEL	GC	red, with sand & gravel (2cm dia), weathered conglomerate, high consistency,	0.5			AH-44-0.5	moisture content. 5.4 %
		dark brown fine sand with clay,	1.0			AH-44-1	moisture content. 8.3 % include shale & lime-stone fragments. (0.5cm length)
			1.5	Base of hole, 1.2 m			very difficult for anger boring.
			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 24, Dec '63
COMPLETED 24, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

150

SHEET NO 47

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

EXCAVATION NUMBER
AH - 45

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 615 Km 400 N 1,396 Km 300 R.L. GROUND 34 m 00

DETAILS OF LOCALITY thin forest. TYPE OF EXCAVATION 10 cm dia.

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 GRAVEL	S C	dark gray, weathered conglomerate.	0.5			gravel dia. 1.0 cm 10 % " 2.0 cm 8 % " 5.0 cm 2 %
		light red weathered conglomerate, dry to moist in place containing clay.	1.0			gravel dia 8.0 cm easily can form by griping.
			1.2	Base of hole. 1.2 m		difficult for auger boring.
			1.5			moisture content. 1.0 m 8.7 %
			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 24, Dec '63
COMPLETED 24, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

151

SHEET NO. 48

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

EXCAVATION NUMBER AH - 46

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES :- E 615 Km 000 N1, 395 Km 900 R.L. GROUND 21 m 00

DETAILS OF LOCALITY thin forest border on grass field TYPE OF EXCAVATION 10 cm dia.

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	SM	grayish brown.					Include shale fragments. (10 cm length)
CLAYEY SILT	CL	yellow, highly weathered, and decomposed shale. Include fragments (0.5cm length), medium consistency moist in place.	0.5 1.0			AH-46-1	moisture content. 12.0 %
			1.5	Base of hole. 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 Japan
COMMENCED 25 Dec '63
COMPLETED 25. Dec' 63

LOGGED BY n. y.
DRAWN BY
CHECKED BY

152

SHEET NO. 49

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

EXCAVATION NUMBER AH - 47

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 614 Km 900 N 1,396 Km 100 R.L. GROUND 28 m 00

DETAILS OF LOCALITY thin forest (ridge of hill) TYPE OF EXCAVATION 10 cm dia.

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 GRAVEL	G C	light red, sand & gravels. (0.5 - 2 cm dia) with sand & gravels (0.5 - 4 cm dia) weathered conglomerate, high consistency, dry to moist in place.	0.5			AH-47-0.5	moisture content. 7 3 %
			1.0			AH-47-1	moisture content. 10 3%
				Base of hole 1 0 m			difficult for auger boring.
			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, Dec '63
COMPLETED 25, Dec '63

LOGGED BY n. y.
DRAWN BY
CHECKED BY

153

SHEET NO. 50

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

EXCAVATION NUMBER
AH - 48

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 614 Km 200 N 1,388 Km 800 R.L GROUND 28 m 00

DETAILS OF LOCALITY grass field TYPE OF EXCAVATION 10cm dia.

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	CL	olive yellow, highly weathered & decomposed shale, with shale fragment, low consistency, moist in place.	0.5			AH - 48 - I	moisture content. 11.3 %
			1.0				
			1.5	Base of hole. 1.2 m			very hard
			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, Dec '63
COMPLETED 26, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

SHEET NO. 5 1

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

EXCAVATION NUMBER
AH - 4 9

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA — FEATURE Left Bank

CO-ORDINATES : E 613 Km 150 N 1,388 Km 200 — R.L GROUND 27 m 00

DETAILS OF LOCALITY thin forest. — TYPE OF EXCAVATION 10 cm dia.

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	whity gray silt					
CLAYEY SILT	CL	reddish yellow, highly weathered shale, low consisteney, dry to moist in place.	0.5			AH-49-1	include weathered shale fragments. (10 cm - 0.5 cm length) moisture content 7.6 %
			1.0	Base of hole 1.0 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 27, Dec '63
COMPLETED 27, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

SHEET NO. 52

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

EXCAVATION NUMBER
AH - 50

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA — FEATURE Left Bank

CO-ORDINATES: E 611 Km 600 N 1,388 Km 300 — R.L GROUND 21 m 50

DETAILS OF LOCALITY grass field. — TYPE OF EXCAVATION 10 cm dia.

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	PERMEABILITY	SAMPLE No.	COMMENTS
TOP SOIL	OL	dark gray,					many plant root.
CLAYEY SILT	CL	pale olive, weathered shale, with shale fragments. low consistency. moist in place.	0.5			AH-50-1	easily can form by griping. moisture content. 13.8 %
		yellowish brown, dry in place.	1.0 1.5 2.0			AH-50-2	moisture content. 8.6 %
SANDSTONE & SHALE	CL	olive brown, weathered sand stone & shale alternate zone hold few pale gray clay. low consisteney, moist in place.	2.5 3.0			AH-50-3	moisture content. 13.0 %
			3.5	Base of hole. 3.5 m			
			4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 27 Dec '63
COMPLETED 27, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

156

SHEET NO.53

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

EXCAVATION NUMBER
AH. -51

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 612 Km 000 N 1392 Km 200 R.L. GROUND 21 m 00

DETAILS OF LOCALITY ____ TYPE OF EXCAVATION 10cm dia

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	CL	reddish brown, fine, medium consistency, with no coarse grains, dry to moist in place	0.5, 1.0, 1.5		AH-51-1	moisture content. 17.0 %
		moist in place.	2.0, 2.5		AH-51-2	moisture content. 19.8 %
		wet in place.	3.0, 3.5, 4.0, 4.5			
		saturate in place.	5.0	Base of hole, 5.0 m		
			5.5, 6.0, 6.5			

HOLE MADE BY ____
COMMENCED ____
COMPLETED ____

LOGGED BY ____
DRAWN BY ____
CHECKED BY ____

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

EXCAVATION NUMBER AH -52

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES : E 611 Km 500 N 1394 Km 400 R.L. GROUND 20 m 00

DETAILS OF LOCALITY TYPE OF EXCAVATION 10 cm dia.

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	CL	yellowish brown, with fine sand, slight dry strength moist in place,	0.5		AH-52-1	
		yellowish red moist in place.	1.0			moisture content, 16.4 %
		dusky red moist in place.	1.5 2.0		AH-52-2	moisture content, 12.1 %
		grayish brown, moist in place.	2.5 3.0		AH-52-3	moisture content, 16.6 %
CLAYEY SAND	SC	yellow, with medium to fine sand, weathered sandstone saturate in place.	3.5 4.0 4.5		AH-52-4	water level Nov. '63.
			5.0	Base of hole. 4.8m		
			5.5 6.0 6.5			

HOLE MADE BY

COMMENCED

COMPLETED

LOGGED BY

DRAWN BY

CHECKED BY

SHEET NO. 55

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

EXCAVATION NUMBER AH - 53

TEST PIT AND AUGER HOLE LOG

LOCATION SAMBOR PROJECT, CAMBODIA FEATURE Left Bank

CO-ORDINATES E 611 km 450 N 1390 km 000 R.L. GROUND 20 m 50

DETAILS OF LOCALITY Small hill in rice field TYPE OF EXCAVATION 10cm dia

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	CL	dark red, fine dry in place.	0.5			AH-53-1	swamp is near this hole about 10 m.
		moist in place.	1.0				moisture content, 18.0 %
		saturate in place.	1.5				
			2.0		▽ water level 28, Dec. 63	AH-53-2	moisture content 23.1 %
			2.5				
			3.0			AH-53-3	moisture content 22.0 %
			3.5				
			4.0				water oaz out
			4.5				
			5.0				
			5.5				
			6.0	Base of hole, 6.0 m			
			6.5				

HOLE MADE BY Japan
COMMENCED 28, Dec '63
COMPLETED 28, Dec '63

LOGGED BY n.y.
DRAWN BY
CHECKED BY

SHEET NO. 56

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN

HAZAMA–GUMI L.T D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO AH 61 COORDINATES E 611 Km 615 N 1.382 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 heldspathic sand dry buff	05			no water found

End of hole 0 70 m stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26 1 65

COMPLETED 26 1 65

160

SHEET NO. 57

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN

HAZAMA-GUMI L.T.D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. AH 62 COORDINATES E 611 Km 885 N 1,388 Km 260 R.L GROUND 19.00

LOCATION NAVIGATION CHANNEL ANGLE FROM HORIZONTAL

SOIL TYPE	SOIL DESCRIPTION	DEPTH OF HOLE	LOG OF EXCAVATION	SAMPLE NO	COMMENTS
SILT	for soil gray	05			
SANDY SILT	dry yellowish brown	10			
		15			
		20			
	half wet gray or grayish yellow	25	Water Level		
		30			
SILTY SAND	with grain dia 30m/m yellowish brown	35			
		40			

End of hole 400m stopped by water

HOLE MADE BY JAPAN

COMMENCED 26 1 65

COMPLETED 26 1. 65

161

SHEET NO. 58

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN

HAZAMA-GUMI L T D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO A H 63 COORDINATES E 612 Km 065 N 1.388 Km 235 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
SILT	Top soil				drilling by spiral auger
SAND STONE Weathered	with sandstone fragments dry buff	05			no water found

End of hole 0.80m stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26 1 65

COMPLETED 26 1 65

162

SHEET NO. 59

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 64 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				
SANDSTONE weathered	grayish yellow	0 5			no water found
		End of hole 0 70m			stopped by rock

HOLE MADE BY JAPAN

COMMENCED 26. 1 65

COMPLETED 26. 1 65

163

SHEET NO. 60

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN

HAZAMA-GUMI L T D (CONTRACTORS)

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO. A H 72 COORDINATES E609 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 40m/m brown	05			
		10			
SILTY CLAY	dry yellowish whaicte	15			
SAND STONE Weathered	dry yellowish gray	20			Used spiral auger no water found

End of hole 25m stopped by rock

HOLE MADE BY JAPAN

COMMENCED 22 1. 65

COMPLETED 22 1. 65

164

SHEET NO. 61

OVERSEAS TECHNICAL COOPERATION AGENOY TOKYO JAPAN

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

TEST PIT AND AUGER HOLE LOG

SAMBOR CANAL CAMBODIA FEATURE

HOLE NO AH 73 COORDINATES E609Km 75 N.1,390 Km 7.95 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
		05			Recent levee bank
	dry brown	10			
SILTY CLAY	With no grain uniform character	15			
		20			
		25			
		30			
		35			
		40	Water level		
		45			
	reddish brown	50			

End of hole 50.0m stopped by water

HOLE MADE BY JAPAN

COMMENCED 22. 1. 65

COMPLETED 22. 1. 65

C. EXCAVATION PITS FOR DAM AND POWERHOUSE

LIST OF EXCAVATION (1-10)

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
AT-1	Ⓒ' and Ⓓ Line, Power house	22.00	Pit	5.00	1	
2	"	22.00	"	5.00	2	
3	"	21.60	"	3.50	3	
4	"	20.60	"	3.90	4	*
BT-0	Ⓒ Line, Earthfill Dam and, Ⓒ' and Ⓓ Line, Crest of Spillway	20.80	"	2.70	5	
1	"	23.00	"	2.50	6	
2	Ⓒ Line, Earthfill Dam	20.00	"	3.00	7	
3	"	19.00	"	3.30	8	
CT-1	"	28.90	"	5.20	9	*
2	"	28.50	"	5.00	10	*
3	"	27.00	"	5.00	11	*
4	"	24.00	"	4.00	12	*
5	Ⓒ, Ⓒ' and Ⓓ Line, Earthfill Dam (Right bank)	23.40	"	5.00	13	*
6	"	25.40	"	5.00	14	*
E-1	"	20.80	"	0.70	15	*
2	"	20.60	"	2.90	16	*
3	"	18.40	"	3.50	17	*
4	"	29.00	"	4.55	18	
5	"	30.30	"	3.75	19	*
6	"	31.20	"	4.55	20	
7	"	31.20	"	3.60	21	*
8	"	31.10	"	4.80	22	
9	"	33.70	"	3.50	23	*
10	"	36.20	"	4.35	24	
11	"	34.90	"	3.00	25	*
11'	"	34.90	"	1.10	26	*
12	"	35.40	"	3.20	27	
13	"	35.90	"	2.80	28	*
14	"	36.20	"	3.50	29	

(2-10)

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
E-15	Ⓒ, Ⓒ' and Ⓓ Line, Earthfill (Right bank)	37.70	Pit	5.00	30	
16	"	37.30	"	4.60	31	
17	"	38.30	"	3.45	32	
18	"	40.60	"	4.20	33	
19	"	41.70	"	3.95	34	
20	"	43.40	"	3.50	35	
21	"	44.30	"	3.70	36	*
22	"	45.30	"	4.05	37	*
23	"	45.90	"	2.90	38	*
25	Ⓓ Line, Earthfill Dam (Left bank)	22.70	"	5.00	39	*
26	"	20.20	"	2.95	40	
26"	"	20.20	"	0.65	41	
27	"	22.27	"	2.00	42	*
27"	"	22.70	"	1.10	43	
28	Ⓒ' and Ⓓ Line, Earthfill Dam (Left bank)	24.80	"	2.30	44	
29	"	23.80	"	2.90	45	*
29"	"	23.80	"	1.10	46	*
30	"	26.40	"	2.70	47	
31	"	29.90	"	3.85	48	*
31'	"	29.90	"	1.10	49	*
32	"	31.80	"	3.10	50	
33	"	31.80	"	1.90	51	*
33'	"	34.30	"	1.10	52	*
34	"	34.90	"	4.50	53	
35	"	35.90	"	3.65	54	
36	"	36.40	"	2.00	55	
37	"	41.60	"	2.80	56	
38	"	43.00	"	1.80	57	
39	"	41.70	"	0.50	58	
40	"	41.00	"	2.30	59	

(3-10)

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
E-41	Ⓒ' and Ⓓ Line, Earthfill Dam (Left bank)	32.90	Pit	1.00	60	
42	"	32.10	"	2.30	61	
43	"	34.00	"	0.80	62	
44	"	35.50	"	0.60	63	
45	"	41.40	"	0.70	64	
46	"	47.40	"	1.20	65	
47	"	43.70	"	2.00	66	
48	"	42.20	"	3.20	67	
49	"	42.50	"	1.90	68	
50	"	43.30	"	2.70	69	
25'	Ⓒ' Line, Earthfill Dam (Left bank)	24.80	"	2.50	70	
26'	"	19.50	"	2.60	71	
27'	"	21.10	"	1.60	72	
H-1	Ⓒ' and Ⓓ Line, Floodway of Spillway	22.00	"	4.60	73	
2	"	22.00	"	2.70	74	
3	"	22.00	"	5.00	75	
4	"	23.00	"	2.20	76	
5	"	22.00	"	2.50	77	
6	"	23.00	"	3.60	78	**
7	"	22.00	"	1.20	79	**
8	"	25.00	"	3.50	80	**
9	"	19.00	"	2.90	81	**
10	"	23.00	"	3.20	82	**
11	"	24.00	"	3.75	83	**
12	"	21.00	"	1.50	84	**
13	"	19.00	"	1.50	85	**
14	"	21.00	"	3.30	86	**
15	"	20.00	"	3.70	87	**
16	"	22.00	"	3.60	88	**
17	"	19.00	"	2.80	89	
RQ-2-1	Alternative Quarry Area (Right bank)		"	3.00	90	***

(4-10)

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
RQ-2-2	Alternative Quarry Area (Right bank)		Pit	3.00	91	***
3	"		"	3.70	92	***
4	"		"	3.20	93	***
5	"		"	3.35	94	***
LQ-1-1	Alternative Quarry Area (Left bank)	46.00	"	0.85	95	*
2	"	54.00	"	1.90	96	*
3	"	50.00	"	1.90	97	*
4	"	55.00	"	2.20	98	*
5	"	49.00	"	1.70	99	*
6	"	43.00	"	2.40	100	*
7	"	52.50	"	0.75	101	*
8	"	58.00	"	2.20	102	*
9	"	55.00	"	2.80	103	*
10	"	52.00	"	4.00	104	*
11	"	52.00	"	1.20	105	*
12	"	52.00	"	2.30	106	*
13	"	52.00	"	2.20	107	*
14	"	43.00	"	2.50	108	*
15	"	51.00	"	2.00	109	*
16	"	53.00	"	0.50	110	*
17	"	56.00	"	1.70	111	*
LQ-2-1	Proposed Quarry Area (Left bank)	30.00	"	1.90	112	**
2	"	28.00	"	1.80	113	**
3	"	27.00	"	1.10	114	**
4	"	26.00	"	1.20	115	**
5	"	31.00	"	2.20	116	**
6	"	31.00	"	2.00	117	**
7	"	32.00	"	1.10	118	**
F-1-1	Althernative Concrete Agglegate Area		Pit and Perl usive Boring	10.00	119-120	**
2	"			10.00	121-122	**

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
F-1-3	Alternative Concrete Agglegate Area		Pit and Perlusive Boring	10.00	123-124	***
4	"		"	10.00	125-126	**
5	"		"	10.00	127-128	**
LP-1	Ⓒ' and Ⓓ Line, Earthfill Dam(Lef bank)	22.35	Pit	2.7	129	
2	"	21.35	"	1.8	130	
3	"	27.15	"	4.4	131	
4	"	27.60	"	3.4	132	
5	"	28.30	"	1.6	133	
6	"	31.40	"	2.8	134	
7	"	35.30	"	2.8	135	
8	"	42.90	"	3.5	136	
9	"	42.60	"	3.2	137	
10	"	44.00	"	2.7	138	
11	"	42.30	"	1.8	139	
12	"	41.20	"	1.5	140	
13	"	39.50	"	1.1	141	
14	"	37.50	"	1.3	142	
15	"	37.00	"	2.3	143	
16	"	36.00	"	1.2	144	
17	"	44.00	"	1.4	145	
18	"	43.50	"	2.0	146	
19	"	43.00	"	2.0	147	
25	Ⓒ Line, Earthfill Dam(Left bank)	25.50	"	1.5	148	
26	"	28.00	"	1.6	149	
27	"	29.00	"	1.2	150	
28	"	31.00	"	0.9	151	
29	"	36.00	"	2.5	152	
30	"	26.00	"	1.8	153	

(6-10)

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
LP-31	Ⓒ Line, Earthfill Dam (Left bank)	39.00	Pit	1.90	154	
32	"	39.70	"	1.80	155	
33	Ⓒ and PHNOM SAMBOC Line, Earthfill Dam (Left bank)	36.50	"	2.20	156	
34	"	35.80	"	2.10	157	
35	"	38.50	"	2.30	158	
36	"	30.00	"	1.40	159	
37	"	39.60	"	1.50	160	
38	"	37.50	"	2.90	161	
39	"	40.65	"	3.60	162	
40	"	41.20	"	2.80	163	
41	"	37.60	"	2.40	164	
42	"	36.70	"	2.00	165	
43	"	43.34	"	3.20	166	
44	"	40.05	"	2.20	167	
45	"	48.8	"	1.50	168	
46	"	47.65	"	1.40	169	
47	"	48.30	"	2.70	170	
48	"	45.90	"	1.90	171	
49	"	42.90	"	1.80	172	
50	"	45.00	"	1.80	173	
RP-1	Ⓒ' and Ⓓ Line, Crest of Spillway	21.20	"	3.90	174	
2	"	23.89	"	3.80	175	
3	"	19.91	"	2.00	176	
4	"	23.37	"	5.00	177	
5	Ⓒ' and Ⓓ Line, Floodway of Spillway	22.85	"	4.80	178	
6	"	21.23	"	1.20	179	
7	"	22.91	"	2.00	180	
8	"	24.46	"	4.50	181	
9	"	23.38	"	4.60	182	
10	Ⓒ' and Ⓓ Line, Spillway Levee	23.20	"	5.00	183	

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
RP-11	Ⓒ' and Ⓓ Line, Spillway Levee	23.42	Pit	4.40	184	
12	"	23.60	"	2.90	185	
13	"	23.30	"	2.50	186	
14	Ⓒ' and Ⓓ Line, Floodway of Spillway	20.00	"	1.50	187	
15	"	24.62	"	2.80	188	
16	"	24.45	"	3.10	189	
17	"	23.04	"	3.20	190	
18	"	23.92	"	2.20	191	
19	"	21.78	"	1.00	192	
20	"	19.81	"	1.70	193	
21	"	24.18	"	3.50	194	
22	"	23.60	"	3.00	195	
23	"	21.00	"	1.20	196	
24	"	20.00	"	2.90	197	
25	"	20.00	"	2.00	198	
26	"	23.00	"	5.00	199	
27	"	25.00	"	3.30	200	
28	"	21.00	"	1.60	201	
29	"	22.00	"	1.90	202	
30	"	24.50	"	1.20	203	
31	Ⓒ' and Ⓓ Line, Spillway Levee	23.67	"	2.20	204	
32	Ⓒ' and Ⓓ Line, Floodway of Spillway	21.50	"	1.80	205	
33	"	22.50	"	1.80	206	
34	"	21.00	"	2.55	207	
35	"	23.50	"	5.10	208	
36	Ⓒ' and Ⓓ Line, West Side of Spillway	23.50	"	2.10	209	
37	"	22.00	"	2.30	210	
38	"	20.00	"	1.20	211	
39	Ⓒ' and Ⓓ Line, Spillway Levee	20.00	"	5.30	212	
40	PHNOM SAMBOC Line, Spillway	21.00	"	5.00	213	

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Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
RP-41	PHNOM SAMBOC Line, Spillway	20.00	Pit	5.00	214	
42	"	19.50	"	4.20	215	
43	"	20.00	"	5.00	216	
44	Alternative Navigation Channel	19.50	"	1.55	217	
50	Ⓒ Line, Earthfill Dam (Right bank)	32.00	"	5.30	218	
51	Ⓒ' and Ⓓ Line, Earthfill Dam (Right bank)	35.00	"	4.40	219	
52	"	30.00	"	4.10	220	
53	"	30.00	"	2.00	221	
54	PHNOM SABMOC Line, Earthfill Dam (Right bank)	31.00	"	5.00	222	
55	"	32.00	"	5.00	223	
56	Ⓒ' and Ⓓ Line, Earthfill Dam (Right bank)	35.00	"	5.00	224	
57	"	40.00	"	2.50	225	
LQO-1	Alternative Quarry Area (Left bank)	35.50	"	0.60	226	
2	"	34.00	"	4.00	227	
3	"	31.00	"	1.80	228	
4	"	34.50	"	2.40	229	
5	"	32.50	"	2.60	230	
6	"	29.00	"	2.20	231	
7	"	29.00	"	2.70	232	
8	"	30.00	"	1.30	233	
9	"	30.00	"	1.70	234	
10	"	27.00	"	1.70	235	
11	"	27.50	"	2.00	236	
12	"	35.50	"	3.60	237	
13	"	29.13	"	1.30	238	
14	"	31.00	"	0.60	239	
15	"	28.30	"	2.00	240	
16	"	35.40	"	1.30	241	
17	"	34.30	"	2.10	242	
18	"	29.50	"	1.40	243	

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
LQO-19	Alternative Quarry Area (Left bank)	34.00	Pit	1.70	244	
20	"	35.20	"	3.30	245	
21	"	30.00	"	3.10	246	
22	"	30.00	"	2.40	247	
23	"	30.00	"	2.30	248	
24	"	28.00	"	2.50	249	
25	"	32.00	"	2.40	250	
26	"	29.00	"	1.90	251	
27	"	33.50	"	4.50	252	
28	"	32.00	"	2.10	253	
29	"	31.50	"	1.00	254	
LQ2-8	Proposed Quarry Area (Left bank)	29.00	"	1.70	255	
9	"	26.00	"	1.50	256	
10	"	25.00	"	1.90	257	
11	"	20.00	"	4.30	258	
12	"	19.00	"	3.70	259	
13	"	29.00	"	1.90	260	
14	"	31.00	"	1.40	261	
15	"	27.00	"	1.40	262	
16	"	24.00	"	2.00	263	
17	"	29.00	"	1.10	264	
18	"	24.00	"	1.60	265	
19	"	28.00	"	1.20	266	
20	"	29.00	"	1.00	267	
21	"	27.00	"	1.70	268	
22	"	28.00	"	1.80	269	
23	"	25.00	"	3.00	270	
24	"	31.00	"	2.10	271	
25	"	29.00	"	1.70	272	
26	"	28.00	"	1.20	273	

Excavation	Location	Elevation (m)	Type of Excavation	Depth of Hole (m)	Log Sheet No.	Note
LQ2-27	Proposed Quarry Area, (Left bank)	25.00	Pit	1.30	274	
28	"	30.00	"	2.30	275	
29	"	30.00	"	2.00	276	
30	"	27.00	"	2.10	277	
31	"	25.00	"	0.70	278	
32	"	26.00	"	1.00	279	
33	"	25.00	"	1.30	280	
LQ3-1	Alternative Quarry Area	30.10	"	1.80	281	
2	"	30.50	"	1.30	282	
3	"	33.50	"	0.80	283	
4	"	30.00	"	0.60	284	
5	"	35.00	"	1.50	285	
6	"	35.00	"	3.50	286	
8	"	40.00	"	1.50	287	
9	"	38.50	"	1.70	288	
10	"	36.80	"	2.90	289	
11	"	26.70	"	1.60	290	
13	"	29.50	"	0.80	291	
14	"	35.50	"	3.10	292	

* Location は DWG. NO. HO-0201, SHEET No. 1 (7) に示す.

** Location は DWG. NO. HO-0201, SHEET No. 2 (7) に示す.

*** Location は DWG. NO. HO-0200, SHEET No. 1 (7) に示す.

**** Location は DWG. NO. HO-0202, SHEET No. 1 (8) に示す.

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

EXCAVATION NUMBER A T - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 609 Km 28 N 1,393 Km 64 R.L. GROUND 22 m

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
CLAY		Dark grey in color. Fat clay. Color; dull greyish brown in dry. deep coffee color in wet state. Containing no coarse grains. Greyish spots are scattering. Very compact in dry state.	0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0				containing plant roots.
		Base of Hole 5.0m	5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 4.Feb.63
COMPLETED 11.Feb.63

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

SHEET NO. 2

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

EXCAVATION NUMBER
AT - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 28 N 1,393Km 54 R.L. GROUND 22 m

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
CLAY		dark grey.	0.5			containing plant roots
FAT CLAY.		dark brown, with no coarse grains. Containing pale grey spots. very compact in dry state.	1.0 1.5 2.0 2.5			somewhat moistured.
		color; khaki in dry, light yellowish brown in wet state.	3.0 3.5 4.0 4.5			moistured
		Base of Hole 5.0m	5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 4.Feb.63
COMPLETED 8.Feb.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 AT - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 265 N 1,393 Km 39 R.L. GROUND 21 m 6

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
CLAY		dark grey					Containing plant roots.
FAT CLAY		dark brown, with no coarse grain. Containing pale grey spots. very compact in dry state.	0.5 1.0 1.5				dry state. from surface to bottom of hole
		Containing plenty of lateritic nodules. (ø 0.5~1cm)	2.0				
SILTSTONE or SHALE		sheeted, and highly weathered.	2.5				
		pale yellow to grey, weathered & jointed.	3.0				Bedding, strike N10°E, dip55°SE.
		Base of Hole 3.5m	3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 4.Feb.63
COMPLETED 13.Feb.63

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

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SHEET NO. 4

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

EXCAVATION NUMBER AT-4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA, FEATURE Right Bank

CO-ORDINATES : E 609 Km 26 N1,393 Km 29 R.L. GROUND 20 m 6

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
CLAY		dark grey, with no coarse grains.	0.5				dry state. Containig plant roots.
		dark brown, with no coarse grains.	1.0				somewhat moistured.
			1.5				
		Containing highly weathered shaly fragment maximum size 30cm.	2.0				moistured.
			2.5				
alternation of SHALE & fine grained SANDSTONE		Weathered & jointed, yellow or yellowish brown. Joints are stained to dark brownish black.	3.0				
			3.5				
		Base of Hole 3.9m	4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 4.Feb.63
COMPLETED 13.Feb.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 BT - O

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 26 N 1,393Km 13 R.L. GROUND 20 m 8

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 / PERMEA BILITY	SAMPLE No	COMMENTS
CLAY		dark grey with no coarse grains.				Containing plant roots
FAT CLAY		dark brown, with no coarse grain. somewhat moistured; (deeper part from sta 1m moistured & dipping water.) Containing pale grey spots. very compact in dry state.	0.5 1.0 1.5 2.0 2.5			Water level 2m30
		Base of Hole 2.7m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 13.Feb.63
COMPLETED 12.Mar.63

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

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SHEET NO. 6

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

EXCAVATION NUMBER BT - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 9 N 1,393 Km 11 R.L. GROUND 23 m

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
CLAY		dark grey.				Containing plant roots
		color, reddy brown. Containing plenty of lateritic nodules(ø 1cm-).	0.5			Well rounded sandstone pebbles(ø5cm) can be seen on the bottom of this layer.
SILTY CLAY		dull reddy brown, Containing weathered shaly debris, 3-5cm.	1.0			
alternation of SHALE & medium grained SANDSTONE		yellowish pale grey. in dry state stratified & weathered	1.5			Developing joints of strike N40°W, & N-S, dip 90° respectively.
			2.0			
		Base of Hole 2.5m	2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 5.Feb.63
COMPLETED 11.Feb.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
B T - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 55 N 1,393 Km 1 R.L. GROUND 20 m

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		grey. very fine grained.	0.5				with plant roots.
		yellow, very fine grained.					
SILTY CLAY		light yellowish orange, Containing some litte lateritic nodules.	1.0				
		yellowish brown, and yellow on cutting surface. Containing few lateritic nodules (ø 2-3cm)	1.5				
SILTSTONE		Developing closely platy joints, decomposed clayey due to weathering.	2.0				
			2.5				
		Base of Hole 3m0	3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

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

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

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SHEET NO. 8

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

EXCAVATION NUMBER BT - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 25 N 1,393 Km 8 R.L. GROUND 18 m

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 SAND		grey, very fine grained.				Containing plant roots.
SILTY CLAY		Scattering a small quantity of white spots in grey matrix. white spots are limy nodules 1~2 cm in diameter.	0.5 1.0 1.5			dry shrinkage cracks come up to this layer
SAND		yellowish brown, fine~medium grained. somewhat clayey.	2.0			ground water level 2.45 m
		medium grained Scattering lateritic nodules & irregular shaped debris, 5-10 cm in diameter.	2.5 3.0			
		Base of Hole 3.3m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 5.Feb.63
COMPLETED 11.Feb.63

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

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SHEET NO. 9

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

EXCAVATION NUMBER C T - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 607 Km 52 N 1,393 Km 15 R.L. GROUND 28 m 9

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
SAND		greyish brown, fine grained.				
SILTY SAND		yellow, very fine grained.	0.5			Containing plant roots
		Containing lateritic nodules in plenty or some				size of lateritic nodule; 1-3cm in diameter.
SILTY CLAY		Scattering a plenty of reddy brown spots in pale white matrix. Bearing sand in modicum.	1.0			
CLAY		deep brown	1.5			
CLAYEY SILT		yellowish light orange spotted in plenty, in whitish matrix. Bearing sand in modicum.	2.0 2.5 3.0			
		large sized yellowish brown dapples in white matrix Bearing some sand.	3.5 4.0 4.5 5.0			
		Base of Hole 5.2m	5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 12.Mar.63

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

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SHEET NO. 10

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

EXCAVATION NUMBER C T - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 607 Km 0 N 1,393 Km 14 R.L. GROUND 28 m 5

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
		color, pale yellowish grey.	0.5			with plant roots
SILTY SAND		color, pale white, showing yellowish orange color, partially.	1.0			
		Bearing plenty of brownish reddy lateritic nodules layer. matrix, whitish color.	1.5			
		Closely scattering brownish reddy spots in white matrix. Containing small amounts of sand.	2.0 2.5			
SILTY CLAY		Closely scattering orange or yellowish brown spots. Containing, small amounts of sand.	3.0 3.5 4.0 4.5			
		Base of Hole 5.0m	5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 10.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 C T - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 606 Km 64 N 1,393 Km 13 R.L. GROUND 27 m

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 SAND		color, pale grey.					with plant roots
		color, pale grey, Showing orange partially.	0.5				
		Bearing plenty of lateritic nodules 1cm dia.	1.0				
CLAYEY SILT		Scattering plenty of reddy brown spots in pale grey matrix.	1.5 2.0 2.5 3.0				moistured.
SILTY SAND		Scattering plenty of yellowish brown spots in pale grey matrix and bearing some amount of sandy limonitic concretions.	3.5 4.0 4.5				water level 4.65m (10 Mar)
		Base of Hole 5.0m	5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 10.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 CT-4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 606 Km 335 N 1,393 Km 11 R.L. GROUND 24 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	COEFFICIENT OF PERMEABILITY (K)	SAMPLE No.	COMMENTS
fine grained SAND		color, grey.					with plant roots
		color, pale grey, parially orange.	0.5				
		color, stained iron Bearing lateritic nodules 1cm dia, in aboundnce	1.0				
SILTY CLAY		color, light yellow. Scattering white limy spots and small amount of shaly debris.	1.5				moistured. water level 2.3m (10. Mar)
			2.0				
			2.5				
SILTY SAND		color, yellow. bearing few whitish thin limy clay seams derived from decomposed calcite veinlets.	3.0		$K = 5.0 \times 10^{-4}$ cm/sec		
			3.5				
		Base of Hole 4.0m	4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 8.Mar.63

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

SHEET NO. 13

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

EXCAVATION NUMBER CT-5

TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA.
FEATURE: Right Bank
CO-ORDINATES: E605 Km 71 N 1,393Km 09
R.L. GROUND: 23 m 4
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 SAND		color, grey. Bearing lateritic nodule 0.5cm dia. in matrix of yellow silty sand.	0.5				with plant roots
SILTY CLAY		color, light yellow. Scattering some little white limy spots and shaly debris in modicum.	1.0 1.5 2.0				
		color, greyish brown. Bearing shaly debris in some amount.	2.5 3.0				
alternation of SANDSTONE and SHALE		completely weathered & cemented with limy materials.	3.5 4.0				Containing fine grained sandstone or siltstone debris, partially. moistured. shale.
		dark greyish brown in color.	4.5				moistured. shale. water level 4.7m (10 Mar)
		Base of Hole 5.0m	5.0 5.5 6.0 6.5				

HOLE MADE BY: Japan
COMMENCED: 3.Mar.63
COMPLETED: 10.Mar.63

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

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SHEET NO. 14

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

EXCAVATION NUMBER C.T - 6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 605 Km 18 N 1,393 Km R.L. GROUND 25 m 4

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 SAND		color, grey. Bearing lateritec nodules 0.5 cm dia.	0.5				with plant roots.
SILTY CLAY		color, light yellow Scattering white limy spots in modicum. Bearing weathered shaly debris in some amounts	1.0 1.5 2.0				
SILTY SAND		color, light yellowish to yellowish brown. with completely weathered sandstone debris.	2.5 3.0 3.5 4.0				some - little moistured
SANDSTONE		very fine to medium grained. yellow due to high degree of weathering	4.5				
		Base of Hole 5.0m	5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 12.Mar.63

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

SHEET NO. 15

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

EXCAVATION NUMBER E - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 06 N 1,393 Km 22 R.L GROUND 20 m 8

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 SAND		Color, brownish grey.				With plant roots.
CLAYEY SILT		Containing two large boulders of diorite and few quartz pebbles.	0.5			Diameter of quartz pebbles, 3 ~ 4 cm
		Base of Hole 0.7m	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 Japan
COMMENCED 14.Feb.63
COMPLETED 15.Feb.63

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

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SHEET NO. 16

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

EXCAVATION NUMBER E - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 73 N 1,393 Km 2 R.L. GROUND 20 m

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 SAND		Color, pale grey.				with plant roots.
		Color, pale grey has tinged of whitish. yellow in it.	0.5			
SILTY CLAY		Scattering yellow small spots in grey matrix.	1.0		1 & 2	
SILTY SAND		color yellow. Containing medium grain sand.				
alternation of SANDSTONE & SHALE		weathering : high degree. Sandstone, yellow fine ~ medium grained. shale, grey in color.	1.5 2.0			disintegrated & decomposed rock.
SILTSTONE		color, grey. weathered rock.	2.5		3 & 4	Bedding, strike N60°E, dip15°NW.
		Base of Hole 2.9m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 14.Feb.63
COMPLETED 10.Mar.63

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

SHEET NO. 17

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

EXCAVATION NUMBER E - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E608 Km 402 N1,393 Km 2 R.L. GROUND 18 m 5

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 SAND		Color, dark browish grey.	0.5				With plant roots. somewhat loosen. Developing shrinkage crack.
		Some little clayey	1.0				Compacted feature.
SAND		Color, yellowish brown some-little silty	1.5				
		Color, yellowish brown. Bearing. lateritic nodules in modicum.	2.0 2.5				Water level. 2.8m (10.Mar.)
SANDSTONE		Dark yellow due to weathering, medium grained.	3.0 3.5				loosened state, partially.
		Base of Hole 3.5m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 14.Feb.63
COMPLETED 10.Mar.63

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

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SHEET NO. 18

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

EXCAVATION NUMBER E - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 604 Km 720 N 1,393 Km 06 R L GROUND 29 m

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 SAND		Color, grey.					With plant roots
SILTY CLAY		Color, pale yellowish grey. Bearing lateritic nodules 0.5-1cm dia, in plenty.	0.5				
CLAY		Fat clay, yellow Scattering pale whitish spots	1.0 1.5 2.0 2.5 3.0				
Alternation of SANDSTONE & SHALE		Highly decomposed Sandstone; pale grey fine grained Shale; whitish grey, clayey feature due to weathering.	3.5 4.0 4.5				Hardly jointed Joints are stained to dark brown~yellow.
		Base of Hole 4.55m	5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 2.Mar.63

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

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SHEET NO. 19

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

EXCAVATION NUMBER
E - 5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES . E 604 Km 44 N 1,393 Km 46 R L. GROUND 30 m 30

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		brownish grey with lateritic nodules 1cm-dia. 0.5cm in average. Bearing lateritic nodules in plenty. lateritic nodules 1 to 1.5cm dia 1cm in average.	0.5			5 & 6	lateritic concretions in some part
CLAY		color light yellow Containing few highly weathered shale Bearing debris of shale in plently.	1.0 1.5 2.0		$K = 8.1 \times 10^{-5}$ cm/sec	7 & 8	dry & compact state.
SHALE		Color, yellow due to high degree of weathering. Cemented with clayey silt. Color, pale greyish yellow due to weathering.	2.5 3.0 3.5			9 & 10	hardly jointed Joints are stained to yellow or black
		Base of Hole 3.75m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 4.Mar.63

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

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SHEET NO. 20

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

EXCAVATION NUMBER
E - 6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES. E 604 Km 16 N 1,393 Km 88 R.L. GROUND 31 m 2

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 SAND		color browish grey. with lateritic nodules 0.5~1cm dia in plenty.	0.5				with plant roots. lateric concretions in some part.
CLAY		color yellow. Bearing few white limy nodules of round to irregular shape, 5~3cm dia. or size. Beside above nodules, containing debris of shale in deeper part of this layer. Debris of shale are yellow due to weathering	1.0 1.5 2.0 2.5				moderately moistured.
alternation of sandstone SHALE		light brown to pale grey due to high deyree weathering, [illegible] Forming. decomposed sedentary soil.	3.0 3.5 4.0 4.5				Being rich in Shaly facies. Bedding, strike N-S, dip 70°W
		Base of Hole 4.45m	5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 2.Mar.63

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

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SHEET NO.21

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

EXCAVATION NUMBER
E - 7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES. E 603 Km 06 N 1,394Km 28 R.L GROUND 31 m 20

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		Color, pale whitish grey, very fine grained. with lateritic nodules rare.					Containing plant roots.
SILTY SAND		With lateritic nodules,few Scattering orange~brown spots.	0.5				lateritic nodule. 1cm dia.
SILT		with lateritic nodules in plenty	1.0				
CLAY		color, yellow. Bearing dark colored lateritic and white limy nodules in modicum.	1.5				somewhat moistured in general.
		Scattering limy spots in plenty.	2.0				
			2.5		$K=1.9\times10^{-3}$ cm/sec		
			3.0				
SHALE		color, dull yellow due to weathering.	3.5				Joints are stained to black. Bedding, ° strike N35E, dip 75°SE.
		Base of Hole 3.6m	4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 2.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 E-8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES . E 603 Km 32 N 1,394 Km 7 R.L. GROUND 31 m 10

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
SANDY SILT		color, pale greyish brown. Bearing lateritic nodules 1cm dia. in plenty.				with plant roots.
SANDY CLAY		Partially containing white limy spots in brownish yellow matrix	0.5, 1.0, 1.5, 2.0			
alternation of SANDSTONE & SHALE		Highly weathered and remaining original layer. state. sandstone: yellowish brown, fine grained. shale: pale grey. Containing limy nodules, few to rare.	2.5, 3.0, 3.5			
SANDSTONE		yellow due to weathering. stained joint planes with calcite small crystals.	4.0, 4.5			Bedding dips nearly horizontal.
		Base of Hole 4.8m	5.0, 5.5, 6.0, 6.5			

HOLE MADE BY Japan
COMMENCED 22.Feb.63
COMPLETED 2.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
E - 9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 603 Km 6 N 1,395 Km 1 R L. GROUND 33 m 70

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 COEFFICIENT	SAMPLE No.	COMMENTS
		color, pale grey.					with plant roots.
SILTY SAND		Containing orange yellow spots.	0.5				
		Containing lateritic nodules.					
CLAY		color, yellowish grey. Containing yellowish. weathered debris of shale on bottom of layer.	1.0 1.5				
SANDY CLAY		Containing debris of weathered siltstone.	2.0 2.5				
SANDSTONE		yellow due to weathering very fine grained.	3.0		$K = 3.0 \times 10^{-5}$ cm/sec		Joints are stained to black. Banded sandstone; has bedding of strike N 5° W, dip 70° NE
		Base of Hole 3.5m	3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 22.Feb.63
COMPLETED 4.Mar.63

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

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SHEET NO. 24

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

EXCAVATION NUMBER
E - 10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 603 Km 89 N 1,395 Km 51 R L. GROUND 36 m 20

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 SAND		Color, grey.					With plant roots.
		Bearing latentic nodules 2~3cm dia. and concretions in plenty.	0.5				
CLAY		Scattering pale greyish spots in yellow matrix.	1.0 1.5 2.0 2.5				Dry state.
SANDY CLAY		Color, yellow.	3.0 3.5				
SANDSTONE		Fine to medium grained. Weathered rock.	4.0				
		Base of Hole 4.35m	4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 23. Feb. 63
COMPLETED 4. Mar. 63

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

SHEET NO.25

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

EXCAVATION NUMBER E-11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 602 Km 93 N 1,395Km88 R.L. GROUND 34 m 90

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		color. grey. Bearing plenty of lateritic nodules, 1~2cm dia, in pale grey matrix.	0.5			with plant roots.
CLAY		Containing white limy spots in yellow matrix	1.0			moistured.
		Bearing debris of weathered siltstone.	1.5 2.0 2.5 3.0			very compact.
		Base of Hole 3.0m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 4.Mar.63

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

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SHEET NO. 26

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

EXCAVATION NUMBER E - 11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES. E 602 Km 93 N 1,395 Km 88 R.L. GROUND 39 m 4

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 COEFFICIENT (K)	SAMPLE No	COMMENTS
SILTY SAND		Color, grey. Bearing plenty of lateritic nodules, (1~2cm dia.) in pale grey matrix.	0.5		K = 5.8 x 10^{-6} cm/sec.		With plant roots.
CLAY		Containing white limy spots in yellow matrix.	1.0				Compact.
		Base of Hole 1.1m	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 3.Mar.63
COMPLETED 4.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 E - 12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA, FEATURE Right Bank

CO-ORDINATES : E 602 Km 76 N 1,396Km 35 R.L. GROUND 35 m 40

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 SAND		Pale grey in color. with no coarse grains. Bearing nodules and concretions of laterite in whitish matrix.	0.5			With plant roots. loosened in compaction.
CLAY		Bearing white limy spots in yellow matrix	1.0			
SHALE		Decomposed clayey state due to hige degree of weathering. Color pale yellow to yellow.	1.5 2.0 2.5 3.0			Staining joints to black color. Bedding, Strike N5°E, dip 26°SE.
		Base of Hole 3.2m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 2.Mar.63

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

SHEET NO. 28

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

EXCAVATION NUMBER
E - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA, FEATURE Right Bank

CO-ORDINATES : E 602 Km 52 N1,396 Km R L GROUND 35 m 90

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		Bearing plenty of lateritic nodules and few quartz round pebbles in grey matrix	0.5			11	with plant roots.
		Ibid upper layer. but matrix yellowish red					quartz pebble. well rounded or flat circular shape 5~2cm dia.
CLAY		Color, grey but showing yellow on surface in dry state. Scattering whitish irregular shaped dapples, partially	1.0 1.5 2.0 2.5		$K = 2.9 \times 10^{-6}$ cm/sec	12 13 14	
		Base of Hole 2.8m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 4.Mar.63

K; COEFFICIENT OF PERMEABILITY.

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

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

EXCAVATION NUMBER
E - 14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 602 Km 14 N 1,397 Km 12 R.L GROUND 36 m 20

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 SAND		Color, light brown. Bearing plenty of laterite nodules in white matrix.	0.5				with plant roots. Size of lateritic nodules 1cm dia, 0.6cm dia. in average.
CLAY		Containing white spots in yellow matrix.	1.0 1.5 2.0 2.5 3.0				Slightly moistured
SAND		Containing large shaped and weathered debris of sandstone, and limy nodules in modicum. Grainy rather fine	3.5 4.0				
Alternation of SANDSTON & SHALE		Highly weathered rock. Sandstone; pale grey fine grained. Shale; dark grey.	4.5 5.0				Joints are stained with iron to yellow.
		Base of Hole 5.05m	5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 2.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 E - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES E 601 Km 76 N 1,397 Km 44 R.L. GROUND 37 m 70

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 SAND		Bearing plenty of lateritic nodules and concretions of laterite in some part	0.5 – 1.0				With plant roots. Slightly loosened.
CLAY		Scattering large limy dapples of 10cm dia. in yellow. fat clay	1.5 – 2.0				Slightly moistured.
		Bearing few limy nodules of small size (3~4cm dia) and some amount of highly decomposed shaly debris.	2.5 – 4.0				
SANDSTONE		Grey, fine grained, including siltstone, partially.	4.5 – 5.0				Resistible parts for weathering, forming boulders.
		Base of Hole 5.0m	5.5 – 6.5				

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 4.Mar.63

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

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SHEET NO. 31

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

EXCAVATION NUMBER E - 16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 601 Km 36 N 1,397km 76 R.L. GROUND 37 m 30

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 SAND		color, pale pinkish grey.					with plant roots.
SILTY CLAY		Bearing plenty of laterilic nodules & concretions.	0.5				concretion; scattering partially. (25 ~ 10 cm in size)
CLAY		yellow fat clay.	1.0				with very few plant roots.
		Containing, plenty of hardly sheeted and jointed yellow debris of shale in fat clay.	1.5 2.0				
Alternation of SHALE & SANDSTONE		Highly weathered. shale dull grey sandstone : yellow.	2.5 3.0 3.5 4.0 4.5			15 & 16	Joints are stained
		Base of Hole 4.6m	5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 22.Feb.63
COMPLETED 2.Mar.63

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

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

EXCAVATION NUMBER E-17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 601 Km N 1,398 Km 06 R.L GROUND 38 m 30

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 SAND		Color, pinkish grey. Bearing plenty of nodules and concretions of laterite. Banding pale grey stripes in brown matrix.	0.5			with plant roots.
CLAY		Fat clay. Scattering white spots in yellow matrix.	1.0 1.5			Owing to observation, cutting surface shows yellow, but inner part of wall bearing yellow spots in pale grey.
SHALE		Weathered, showing yellow on joint plane, but grey in inner,	2.0 2.5			Including very fine grained sandstone facies, partially Bedding, strike N50°W, dip 30°NE.
SILTSTONE		Color, yellow due to high degree of weathenng.	3.0			Bedding, Strike N85°E, dip 40°SE
		Base of Hole 3.45m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 25.Feb.63
COMPLETED 2.Mar.63

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

SHEET NO. 33

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

EXCAVATION NUMBER E - 18

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES · E 600 Km 58 N 1,398 Km 39 R L. GROUND 40 m 60

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
SAND		grey, fine grained. Bearing plenty of lateritic nodules.	0.5			with plant roots slightly loosened.
SILTY SAND		Bearing plenty of orange colored lateritic nodules in pale grey matrix.	1.0			
CLAY		fat clay. Bearing some amounts limy nodules. Showing yellow on surface of wall in pit. but pale grey inner.	1.5 2.0 2.5 3.0			moistured.
SILTSTONE		Color, yellow due to high degree of weathering. Bearing clay films or seams.	3.5 4.0		17 & 18	
		Base of Hole 4.2m	4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 6.Mar.63

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

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SHEET NO. 34

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

EXCAVATION NUMBER E - 19

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 600 Km 13 N1,398 Km 57 R.L. GROUND 41 m 70

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 SAND		Color, grey Bearing lateritic nodules.					with plant roots.
CLAY		Bearing lateritic nodules in brown matrix. fat clay. Scattering white spots in some part of brownish yellow matrix	0.5 1.0 1.5 2.0				
alternation of SANDSTONE & SHALE		Highly weathered. sandstone. very fine grained. Color showing pale grey on rock surface.	2.5 3.0 3.5				
		Base of Hole 3.95m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 8.Mar.63

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

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SHEET NO. 35

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

EXCAVATION NUMBER
E - 20

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 599 Km 66 N 1,398 Km 7 R.L. GROUND 43 m 40

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
		grey. with lateritic nodules.				
SILTY SAND		color, dull yellowish grey. Bearing plenty of lateritic nodules.	0.5			with plant roots.
		color, reddy brown.			19 & 20	
CLAY		fat clay. Scattering a small quantity of small size of lateritic nodules in yellow matrix.	1.0 1.5 2.0 2.5			moistured.
SANDY CLAY		Containing. some amounts of shaly debris in yellow matrix.	3.0		21 & 22	Cementing with limy solution partially. Lime cemented sandstone exposed on base of hole.
		Base of Hole 3.5m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 6.Mar.63

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

SHEET NO. 36

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

EXCAVATION NUMBER E - 21

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 599 Km 18 N1,398 Km 83 R L. GROUND 44 m 30

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 / PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		Color, grey.				
		Color, yellow				with plant roots.
SILTY CLAY		Bearing plenty of latentic nodules in dull yellow matrix	0.5			with laterific nodules.
CLAY		Fat clay. Containing irregular shaped pale grey limy patches and spots (size, 5 ~ 10cm) in dull yellow matrix	1.0 1.5 2.0 2.5			
SHALE		Color, pale grey, Staining to dull yellow on rock surface and containing clay films in most part	3.0 3.5			Brittled feature in most part but in some part massive.
		Base of Hole 3.7m	4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 27.Feb.63
COMPLETED 12.Mar.63

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

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SHEET NO. 37

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

EXCAVATION NUMBER
E - 22

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 598 Km 69 N 1,398Km 96 R L GROUND 45 m 30

DETAILS OF LOCALITY ____ TYPE OF EXCAVATION 1.0m × 1.0m

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		Color, yellowish grey				With plant roots and lateritic nodules
SILTY CLAY		Bearing plenty of lateritic nodules, and pale brown spots	0.5			Somewhat loosened.
		Scattering white spots and laterite nodule in reddy brown matrix				Size of lateritic nodule 2 cm dia
CLAY		Fat clay. Color, yellow on surface of pit wall, but inner part showing pale grey to white.	1.0 1.5 2.0 2.5 3.0			
SANDY CLAY		Bearing limg patches and spots in yellow matrix.	3.5			
SANDSTONE		Weathered, dull yellow, fine grained	4.0			Developing calcite veinlets
		Base of Hole 4.0m	4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 10.Mar.63

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

SHEET NO. 38

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

EXCAVATION NUMBER
E - 23

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES . E ___ Km ___ N ___ Km R.L. GROUND 45 m 90

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		Color, grey.					With latentic nodules.
SILTY CLAY		Color, yellowish grey.					With plant roots.
		Color, whitish grey. Bearing plety of brownish yellow lateritic nodules in yellow matrix.	0.5 1.0				
CLAY		Scattering pale grey spots, irregular shaped, (size 5-10cm), in yellow matrix.	1.5 2.0				
SHALE		Weathered, pale grey, Containing clay films in most part.	2.5				Brittled feature in general, but in some port massive state.
		Base of Hole 2.95m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 1.Mar.63
COMPLETED 8.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 E - 25

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 611 Km 17 N 1,396Km 43 R L GROUND 22 m 7

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		Color, grey. Containing plant roots.	0.5				
CLAY		Color, dark brown. in moist state. Containing no coarse grains Organic smelling.	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0			23 & 24	
		Base of Hole 5.0m	5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 22.Jan.63
COMPLETED 27.Jan.63

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

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SHEET NO.40

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

EXCAVATION NUMBER E - 26

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 611 Km 17 N 1,396 Km 66 R.L. GROUND 20 m :2

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		Greyish yellow. Containing plant roots. Bearing lateritic nodules (Ø 1cm ±). Very compact in dry	0.5 – 1.0			
SHALE		Weathered, dull grey in color. Intercalating clay films.	1.5 – 2.5			Bedding, Strike N80°E, dip 40°SE
		Base of Hole 2.95m	3.0			

HOLE MADE BY Japan
COMMENCED 22. Jan. 63
COMPLETED 27. Jan. 63

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

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SHEET NO.41

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

EXCAVATION NUMBER
E - 26"

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES. E 611 Km 17 N 1,396 Km 66 R L GROUND 20 m ?

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
CLAY		Color, brownish grey. Compact. Containing some plant roots.	0.5				
		Base Of Hole 0.65m	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 Japan
COMMENCED 24.Jan.63
COMPLETED 24.Jan.63

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

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SHEET NO. 42

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

EXCAVATION NUMBER E - 27

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 11 N 1,396 Km 87 R.L. GROUND 22 m 7

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		Color, grey. Color very light yellow. Lateritic, nodules (Ø3~1cm) in grey colored silty clay	0.5				
CLAY		Color, yellow. Containing no coarse grains. Sound & compact in dry.	1.0				
SHALE or SILTSTONE		Dull grey or yellowish grey due to highly weathering, Bedding planes intercalate clay films.	1.5				Bedding, Stike N5°W, dip 8°SW
		Base of Hole 2.0m	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 24. Jan. 63
COMPLETED 27. Jan. 63

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

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

EXCAVATION NUMBER E - 27"

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 11 N 1,396 Km 87 R.L. GROUND 22 m 7

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 0.6m dia in 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	COEFFICIENT OF PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		Color, grey.					
		Color, very light yellow.					
		Lateritic nodules(Ø2~1cm) in grey silty clay.	0.5		1.7×10^{-5} cm/sec		
CLAY		Color, yellow Containing no coarse grains.	1.0				
		Base of Hole 1.1m					

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 17 Mar. 63
COMPLETED 17.Mar.63

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

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SHEET NO. 44

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

EXCAVATION NUMBER E - 28

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 45 N 1,397 Km 19 R L. GROUND 24 m 8

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY CLAY		Color, grey. Bearing lateritic nodules (Ø 1cm) Very light yellow	0.5 1.0				
Alternation of SANDSTNE & SILTSTONE, weathered.		SANDSTONE: Color, yellow or light brown. SILTSTONE; collor, yellowish grey or pale dull grey. Highly decomposed. Throughout dry state.	1.5 2.0				Bedding, Strike N30°E, dip 40°NW.
		Base of Hole 2.3m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 7.Feb.63
COMPLETED 12.Feb.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 E - 29

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank
CO-ORDINATES : E 612 Km 75 N 1,397 Km 6 R.L. GROUND 23 m 8
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		Color, grey.					
CLAY		Color, yellow. Scattering few lateritic nodules. Bearing lateritic nodules (Ø 5mm).	0.5, 1.0, 1.5, 2.0, 2.5				
SILTSTONE		Color, pale yellow intercalating decomposed calcite veinlets. Weathered.					◀ WATER LEVEL. 2.7m
		Base of Hole 2.9m	3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 7.Feb.63
COMPLETED 13.Feb.63

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

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SHEET NO. 46

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

EXCAVATION NUMBER E-29'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 75 N 1,397 Km 60 R.L. GROUND 23 m 8

DETAILS OF LOCALITY TYPE OF EXCAVATION 0.6m dia in 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 COEFFICIENT (K)	SAMPLE No.	COMMENTS
SILTY CLAY		Color, grey	0.5				
CLAY		Color, yellow, Scattering few laterific nodules.	1.0		3.3×10^{-5} cm/sec		
		Base of Hole 1.1m	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 17.Mar.63
COMPLETED 17.Mar.63

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

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SHEET NO. 47

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

EXCAVATION NUMBER
E-30

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 06 N1,398 Km R.L. GROUND 26 m 4

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
SILLTY SAND / SILTY CLAY		Color, grey. Baring lateritic nodules in grey matrix.	0.5				
CLAY		Color, yellow. Scattering few lateritic nodules.	1.0, 1.5, 2.0				
Weathered SHALE		Yellowish pale grey due to decomposition. Hardly jointed & clayey. Decomposed calcite veins (5cm) paralell to bedding.	2.5				Bedding, Strike N35°E, dip 70°NE.
		Base of Hole 2.7m	3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 9.Feb.63
COMPLETED 13.Feb.63

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

SHEET NO. 48

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

EXCAVATION NUMBER E - 31

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 38 N 1,398Km 38 R L GROUND 29 m 9

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 SAND		Color, grey.					
Silty CLAY		Color, yellowish grey. Slightly sandy.	0.5				
SAND with CLAY.		Color, yellow. Medium ~ fine grained	1.0 1.5 2.0			29 & 30	
highly weathered SANDSTONE		Yellowish brown in color. Completely decomposed. Bearing SANDSTONE – debris	2.5 3.0 3.5				
		Base of Hole 3.85m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 14.Feb.63
COMPLETED 20.Feb.63

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

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SHEET NO. 49

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

EXCAVATION NUMBER E-31'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 38 N 1,398 Km 38 R.L. GROUND 29 m 9

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 0.6m dia in 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 COEFFICIENT (K)	SAMPLE No.	COMMENTS
SILTY SAND		Color, grey.					
SILTY CLAY		Color, yellowish grey, slightly sandy.	0.5		3.1×10^{-7} cm/sec		
			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 Japan
COMMENCED 17.Mar.63
COMPLETED 17.Mar.63

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

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SHEET NO. 50

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

EXCAVATION NUMBER
E - 32

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 613 Km 8 N 1,398Km 63 R L. GROUND 31 m 8

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 / PERMEA BILITY	SAMPLE No	COMMENTS
Silty SAND		Color, grey. Bearing lateritic small nodules (few)	0.5			
Sandy SILT		Color, pale yellowish grey. Containing very fine sand	1.0			
Sandy CLAY (very highly weathered SANDSTONE)		Color, yellow. Consisting of sand and decomposed white calcite veinlet. Bearing A small quantity of clay seam (5 cm). Remaining SANDSTONE feature, partially.	1.5 2.0 2.5 3.0		31 32	Bedding, Strike N5°W, dip 87° SW
		Base of Hole 3.1m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 15.Feb.63
COMPLETED 19.Feb.63

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

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SHEET NO. 51

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

EXCAVATION NUMBER
E - 33

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CANBODIA. FEATURE Left Bank

CO-ORDINATES : E 614 Km 22 N 1,398Km 89 R.L. GROUND 31 m ±

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
SILT		Color, grey					Containing plant roots.
Silty CLAY		Scattering lateritic nodules in pale grey matrix.	0.5				
		Lateritic nodules(Ø2~1cm) in deep brown matrix					
Alternation of SHALE and SILTSTONE		Highly weathered & decomposed	1.0				Bedding, Strike N30°E, dip 45°SE.
		Developing decomposed calcite veinlets in weathered mother rock.	1.5				
		Base of Hole 1.9m	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 15.Feb.63
COMPLETED 18.Feb.63

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

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SHEET NO.52

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

EXCAVATION NUMBER E - 33'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 614 Km 22 N1,389 Km 89 R.L. GROUND 34 m 3

DETAILS OF LOCALITY _____ TYPE OF EXCAVATION 0.6m dia

SOIL TYPE GEOLOGICAL DESCRIPTION	GROUP SYMBOL	SOIL DESCRIPTION GROUP NAME LARGEST AND SMALLEST SIZES	DEPTH OF HOLE	LOG OF EXCAVATION	COEFFICIENT OF PERMEABILITY	SAMPLE No.	COMMENTS
SILT		Color grey. Scattering lateritic nodules in pale grey matrix.					Containing plant roots.
Silty CLAY		Lateritic nodules. 2~1cm dia. in deep brown matrix.	0.5 – 1.0		5.9×10^{-7} cm/sec.		
		Base of Hole 1.1m	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 17.Mar.63
COMPLETED 17.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 E - 34

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank
CO-ORDINATES E 614 Km 66 N1,399 Km 15 R.L. GROUND 34 m 9
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	PERMEA BILITY	SAMPLE No.	COMMENTS
Silty CLAY		Topsoil: color, grey.	0				
		Color, reddish brown. Containing lateritic nodules(Ø=0.5cm) toomuch	0.5				Containing plant roots
		Color, dark brown.	1.0				
Silty CLAY.		Color, dark grey. Containing lime coated nodules(core : weathered sandstone), their diameter Ø= 2~3cm, subround.	1.5			33 & 34	
		Containing no lime nodules.	2.0				
		Color, pale yellow. Containing weathered debris.	2.5				
SHALE, highly weatheved.		Rock surface- pale yellow, inner part, black, Joints, are stained.	3.0				
		Base of Hole 4.5m	3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 20.Feb.63
COMPLETED 1.Mar.63

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

228

SHEET NO. 54

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

EXCAVATION NUMBER E - 35

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 615 Km 13 N1,399 Km 43 R L. GROUND 39 m 5

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		Color greyish brown. Grey tinging yellow. Coffee colored lateritic nodules much, compact	0.5, 1.0				
CLAY		Dark brown fat clay. Bearing lime coated nodules. Color, pale yellowish grey contained yellow spots	1.5, 2.0, 2.5				Dry condition, throughout pit
SHALE		Color pale greyish yellow. Jointed	3.0, 3.5				
		Base of Hole 3.65m	4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 20.Feb,63
COMPLETED 24.Feb,63

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

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SHEET NO. 55

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

EXCAVATION NUMBER E - 36

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 615 Km 51 N 1,399 Km 66 R L. GROUND 36 m 4

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		Color, dull brown. Slighty loosened.	0.5				Containing plant roots.
LATERITIC NODULE with clay		Color, dark brown Bearing lateritic nodules (Ø1cm) much.	1.0				Dry state throughout pit.
SHALE with clay.		Highly weathered & hardly Jointed but compacted state. color, yellow.	1.5				
SHALE		Weathered & moderately jointed. Joints are stained to dark brown and pale greyish yellow	2.0				Bedding ; Strike N10°E, dip 20°NW.
		Base of Hole 2.0m	2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 24.Feb.63

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

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SHEET NO. 56

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

EXCAVATION NUMBER
E - 37

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 615 Km 98 N 1,399 Km 85 R L. GROUND 41 m 6

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 SAND		Color, grey.					Plant roots containing
CLAY		Color, few stained yellow spots in grey matrix Bearing shaly debris in somewhat.	0.5 1.0				dry state throughout pit.
		Bearing shaly debris	1.5 2.0				
weathered SHALE.		Color, pale yellowish grey. Jointed, Joints are stained.	2.5				
		Base of Hole 2.8m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 21.Feb.63
COMPLETED 24.Feb.63

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

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SHEET NO. 57

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

EXCAVATION NUMBER
E - 38

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 616 Km 45 N 1,400 Km R.L GROUND 43 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 SAND		Color, greyish brown. Containing few lateritic nodules.					Containing plant roots.
LATERITIC nodule layer with few CLAY		Lateritic nodule: Yellowish grey has tinged of reddy brown, nodule size: Ø1cm.	0.5				
CLAY		Color, yellow spots (irregular shape) in grey matrix. Bearing weathered clayey slaty debris in a small quantity	1.0 1.5				
		Highly weathered SHALE Base Of Hole 1.8m	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 23.Feb.63
COMPLETED 28.Feb.63

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

SHEET NO. 58

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

EXCAVATION NUMBER
E - 39

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.
FEATURE Left Bank
CO-ORDINATES . E 616 Km 92 N 1,400 Km 16
R.L. GROUND 41 m 7
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 SAND WEATHERED SHALE		Dull brwonish yellow. Bearing small shaly debris. Color, dull yellowish greg. jointed & clacked. Base of Hole 0.50m	0.5				Containing plant roots. Strata: strike N25° E, dip. 50°SE joint: strike N35°E, dip 55°SE.

10 1.5 20 25 30 35 40 45 50 55 60 65

HOLE MADE BY Japan
COMMENCED
COMPLETED

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 E - 40

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 617 Km 41 N 1,400 Km 34 R.L. GROUND 41 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
SILT		Color, pale grey. Containing lateritic nodules(Ø05~1cm)& small size river deposit pebbles.				
		Bearing pale white weathered shale of small size debris(laterifized, somewhat). reddy.	0.5			Dry state in pit.
CLAY		Color, showing partially yellow in grey matrix. Comtaining pale white weathered debris (lateritized to reddy) of small size.	1.0 1.5 2.0			moistured.
SILTSTONE.		Color, pale yellow. Highly decomposed & clagey. Banded type of shale & siltstone				Bedding; Strike N45°E, dip 95°SE
		Base of Hole 2.3m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

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 E - 41

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 617 Km 88 N 1400 Km 5 R.L. GROUND 32 m 9

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILT or fine grained SAND weathered SHALE		Color, brown. Beaning reddy yellow siltstone debris. Color, yellow. Clayey due to highly weathered & sheeted (intervals 1~3 cm). Joints are stained.	0.5			Containing plant roots Bedding; strike, N30°E. dip 70° SE.
		Base of Hole 1.0m	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 Japan
COMMENCED 26.Feb.63
COMPLETED 27.Feb.63

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

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SHEET NO. 61

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

EXCAVATION NUMBER E - 42

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 618 Km 34 N 1400 Km 66 R.L. GROUND 32 m 1

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
fine grained SAND		vegetable mould, color, dull dark grey					
SILTY SAND		color, dark grey. Bearing lateritic nodules (Ø 0.5cm ±) in abundance.	0.5				
CLAY		color dark grey. cohesive.	1.0				Containing plant roots.
		color, greyish yellow Containing small size weathered shaly debris & limy nodules (Ø1~3cm.)	1.5				
SHALE		Hardly weathered, jointed, sheeted. & clayey. color, dark yellowish grey.	2.0				Bedding; strike N20°E, dip55°SE
		Base of Hole 2.3m	2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 1.Mar.63
COMPLETED 5.Mar.63

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

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

EXCAVATION NUMBER E - 43

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 618 Km 83 N 1400 Km 85 R.L. GROUND 34 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		Color, dull brownish grey.					Containing plant roots.
SHALE OR SILTSTONE		Yellowish or dull brownish grey due to weathering. Platy joints are spaced 1 to 3 cm.	0.5				Bedding; strike N30° E, dip 80° SE.
		Base of Hole 0.8m	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 Japan
COMMENCED 1.Mar.63
COMPLETED 1.Mar.63

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

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SHEET NO. 63

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

EXCAVATION NUMBER
E - 44

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES · E 619 Km 3 N1401 Km 01 R L GROUND 35 m 5

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		Vegetable mould. color, grey.				Containing plant roots.
Fat CLAY		Bearing small flakes of laterite (Ø0.7cm) Color, pale yellow grey.				Bedding; Strike N30°E, dip 25°SE.
SHALE		Yellow & clayey due to high degree weathering. Color, pale yellowish grey Joints are stained.	0.5			
		Base of Hole 0.6m	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			Neighbouring of this pit is covered with thin soily. materials, outcrops of shale striking N30°E, dipping 85° SE on bedding.

HOLE MADE BY Japan
COMMENCED 2.Mar.63
COMPLETED 2.Mar.63

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

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

EXCAVATION NUMBER E - 45

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 619 Km N1401 Km R.L GROUND 41 m 4

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 SAND		Color. greyish yellow, but from suface to 10 cm deep showing yellowish grey.				
SANDSTONE		Color, bluish grey staining to yellow on rock surface. Medium~fine grained. Bedding is spaced 15 to 20cm.	0.5			Rather fresh state. strike N10°E, dip75°SE. on bedding.
		Base of Hole 0.7m	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 Japan
COMMENCED 2 Mar. 63
COMPLETED 2. Mar. 63

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

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SHEET NO. 65

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

EXCAVATION NUMBER E - 46

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 620 Km 24 N 1401 Km 35 R.L. GROUND 47 m 4

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY CLAY		color grey. Bearing small sized rock fragments of round or angular.					
SITY SAND		deep yellow in color. Bearing few round pabbles.	0.5				
SAND With some SILT		Entirely decomposed SHALE & SAND STONE					
ALTERNATION of SANDSTONE & SHALE		color dull brownish yellow Hardly weathered, partially.	1.0				Bedding; strike N 20° E, dip 60° SE.
		Base of Hole 1.2m	1.5				Existing a plenty of conglomerate & sandstone debris or block, in neighbouring of this 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 3.Mar.63
COMPLETED 16.Mar.63

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

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SHEET NO. 66

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

EXCAVATION NUMBER
E - 47

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES. E 620 Km 75 N 1,401 Km 53 R.L. GROUND 43 m 7

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 SAND		Color, pale grey					Containing plant root.
SILTY CLAY		Color pale grey. Bearing lateritic nodules (Ø 1cm ±)	0.5				
		Bearing yellow or grey well rounded pebbles (Ø3~5cm) of siliceous shale or sandstone.	1.0				
		ibid upper layer But containing angular debris, also.	1.5				
		Base of Hole 2.0m	2.0				Not reaching to bed rock.
			2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 7.Mar.63

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

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SHEET NO. 67

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

EXCAVATION NUMBER E - 48

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 621 Km 1 N 1,401 Km 89 R L. GROUND 42 - m 2

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		Color, grey.					Containing plant roots.
SILTY CLAY		Color, fair yellow. Staining to reddy and including very small black coarse grains (Ø 1 - 05mm), laterite ?	0.5			35 & 36	With few plant roots.
CLAY		Color, reddy brown. Containing latefitic nodules.	1.0 / 1.5			37 & 38	
FAT CLAY		Yellow, partial bluish grey, in color.	2.0				
		Yellow, partial yellowish grey in color, Bearing pale white weathered siltstone debris.	2.5				
SILTSTONE		Yellow due to high degree weathering & decomposition. Remaining original structure.	3.0				
		Base of Hole 3.2m	3.5 / 4.0 / 4.5 / 5.0 / 5.5 / 6.0 / 6.5				

HOLE MADE BY Japan
COMMENCED
COMPLETED

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

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

EXCAVATION NUMBER E - 49

TEST PIT AND AUGER HOLE LOG

LOCATION Samhor Project, CAMBODIA. FEATURE Left Bank
CO-ORDINATES : E 621 Km 4 N1402 Km 3 R.L. GROUND 42 m 5
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 SAND		Color, yellowish grey. Bearing latentic nodules(Ø0.5 cm)					
SILTY CLAY		Color, reddy brown. Bearing a plenty of lateritic nodule (Øt~0.5cm)	0.5				
SANDY CLAY		Color, yellowish red	1.0				
		Color, yellow. Bearing few yellowish debris or boulders(Ø 15 ~20cm) of fine grained sandstone	1.5				
fine grained SANDSTONE		Color, pale blue Somewhat fresh state Base of Hole 1.9m	2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				strike N40°E, dip 40°SE. on bedding.

HOLE MADE BY Japan
COMMENCED 3.Mar.63
COMPLETED 5.Mar.63

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

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SHEET NO. 69

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

EXCAVATION NUMBER E - 50

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 621 Km 7 N1,402 Km 7 R.L. GROUND 43 m 3

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 SAND		Color, grey. Color, greyish yellow	0.5				Containing plant roots.
SILTY CLAY		Color, dark reddy brown. Bearing a plenty of lateritic nodules(Ø05cm) and white limy spots of small size.	1.0			39 & 40	
FAT CLAY		Color, deep yellowish brown. Bearing some-little of lateritic nodules. Color, deep yellow. Containing weathered shale fragments	1.5 2.0			40 & 41	
SHALE		Hardly clayey due to weathering. Color, deep yellow	2.5				Bedding ; Strike N20°E, dip 75°SE.
		Base of Hole 2.7m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY _____
COMMENCED _____
COMPLETED _____

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

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SHEET NO. 70

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

EXCAVATION NUMBER E-25'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 611 Km 17 N 1,396 Km 43 R.L. GROUND 24 m 8

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILT		Color, dull yellow.				Containing plant roots.
SILTY CLAY		Color, pale brownish with somewhat yellowish in dry. Yellowish brown has tinged of grey in wet. Field clay with few & small lateritic nodules, chert debris and few white limy spots.	0.5 1.0 1.5 2.0 2.5		25 & 26	
		Base of Hole 2.5m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 11.Mar.63
COMPLETED 15.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 E-26'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank
CO-ORDINATES : E 611 Km 91 N 1,396 Km 10 R.L. GROUND 19 m 5
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
SILT		Dull grey, loosened. Cracked by shrinkage. Color, dull grey. Rather compact. Containing a small quantity of lateritic nodules, 1 cm –, dia.	0.5, 1.0, 1.5				Containing plant roots.
SAND WITH CLAY.		Dull yellow, with few limy nodules	1.5			27 & 28	Moistured. Ground water level 2.4 m
SANDSTONE.		Weathered & decomposed. Color, yellow, medium grained.	2.0, 2.5				Blocky jointed. Joints are stained.
		Base of Hole 2.6m	3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 9.Mar.63
COMPLETED 13.Mar.63

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

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SHEET NO. 72

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

EXCAVATION NUMBER E - 27'

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 11 N 1,396Km 87 R.L. GROUND 21 m 1

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		Grey ash color					Containing plant root.
		Containig white spots.					
LATERITIC LAYER		Brown laterilic rock fragments containing much	0.5				
CLAY		Color, yellowish grey. Containing few silt.	1.0				
		Color, grey. Bearing shaly rock fragments.	1.5				Bedding: strike N30°W, dip 15°SW.
SHALE		Yellow due to high degree weathering. Banding 4 ~ 6cm. of intervals.	2.0				
		Base of Hole 1.6m	2.5				
			3.0				
			3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 8.Mar.63
COMPLETED 13.Mar.63

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

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SHEET NO. 73

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

EXCAVATION NUMBER H - 1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 89 N1,392 Km 24 R.L GROUND 22 m

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 SAND		color, grey.					with plant roots
		Plenty of lateritic nodules form' ; layer.					matrix; grey.
			0.5				
			1.0				
			1.5				
SILTY CLAY		color, yellow.					
			2.0				
			2.5				
			3.0				
			3.5				
			4.0				
SILTSTONE		weathered rock, color, yellow. Sandstone facies form' ; boulders.					Bedding : strike N10°E, dep35°SE ?
			4.5				
		Base of Hole 4.6m					
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 11.Feb.63
COMPLETED 12.Mar.63

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

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

EXCAVATION NUMBER H - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 55 N 1,392 Km 29 R.L GROUND 22 m

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 / PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		color, grey. Plenty of lateritic nodules, 1cm - dia. are forming layer.	0.5			with plant roots matrix ; pale yellow in color.
CLAY		fat clay. Color, yellow in dry, changing reddy brown as mixing together water.	1.0 1.5			
SHALE		hardly weathered. Rock surface, showing yellow; inner part changes to pale grey.	2.0 2.5			
		Base of Hole 2.7m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 11.Feb.63
COMPLETED 19.Feb.63

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

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SHEET NO. 75

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

EXCAVATION NUMBER H - 3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 26 N 1,392Km 36 R.L. GROUND 22 m

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 SAND		color, grey. Bearing plenty of lateritic nodules 1cm-dia	0.5				with plant roots.
		Containing white limy part in pale yellow. fat clay.	1.0				
CLAY		Containing white limy parts in light brown. fat clay	1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0				very compact under dry condition.
		Base of Hole 5.0m	5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 11.Feb.63
COMPLETED 22.Feb.63

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

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SHEET NO. 76

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

EXCAVATION NUMBER H - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES. E 608 Km 4 N 1,391Km 82 R L GROUND 23 m

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	PERMEA BILITY	SAMPLE No	COMMENTS
SILTY SAND		color, grey Plenty of lateritic nodules form. in layer.					with plant roots. matrix; yellowish brown.
CLAY		color, orange ~ reddy yellow. color, pale yellow. Containing fragments of weathered shale.	0.5 1.0 1.5 2.0				fat clay.
SHALE		color, yellow.					Highly weathered.
		Base of Hole 2.2m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 13.Feb.63
COMPLETED 19.Feb.63

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

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SHEET NO.77

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

EXCAVATION NUMBER H - 5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 1 N 1,391 Km 89 R L GROUND 22 m

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		color, grey.					with plant roots.
SILTY CLAY		Bearing plenty of well rounded quartz pebbles.	0.5				quartz; 3-15cm dia, matrix; brown.
SHALE		Hardly weathered & decomposed. color, yellow.					Containing, grey lateritic nodules, rare
		Hardly weathered. color, grey.	1.0				Staining to yellow on plane of joint and crack
		weathered. color, pale grey.	1.5				Joint; strike N10°E, dip 80°NW Strata; strike N70°E, dip 20°NW
		Base of Hole 2.5m	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 13.Feb.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 H - 6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 607 Km 98 N 390 Km 7 R L. GROUND 20 m

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
SAND		color, yellow, fine grained.				with plant roots.
SANDY SILT		Containing brownish red spots.(1cm dia)	0.5			matrix; light pale grey.
		Some amount of lateritic nodules are forming layer.	1.0			matrix, white.
SILTY CLAY		Scattering reddy brown ~ orange colored dapples in white matrix.	1.5 2.0 2.5			
SHALE		weathered. color, pale yellow. Joint spacing 4-7 cm in average.	3.0 3.5			
		Base of Hole 3.6m	4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 0.Feb.63
COMPLETED 28.Feb.63

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

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SHEET NO.79

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

EXCAVATION NUMBER
H - 7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA
FEATURE Right Bank
CO-ORDINATES : E 608 Km 22 N 1,390Km 56
R.L. GROUND 22 m
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 SAND		color, dark brown.					with plant roots
							with lateritic nodules.
alternation of SANDSTONE & SHALE		color, yellow. Completely decomposed.	0.5				Hardly weathered.
		Sandstone, yellow & medium grained. Shale, bluish grey.	1.0				alternation, spacing 10 - 25cm, rich in shale, strike N30°E, dip 70°SE
		Base of Hole 1.2m	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 20.Feb.63
COMPLETED 22.Feb.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 H - 8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 607 Km 95 N 1,390 Km 45 R.L. GROUND 25 m

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 SAND		Plenty of lateritic nodules forming a layer.					matrix, pale yellow.
		with much lateritic nodules					matrix, light pale grey.
SILTY CLAY		Bearing pink~brown spots in white matrix.	0.5				
CLAY		fat clay. Color, yellow in most part, but some parts are showing white.	1.0 1.5 2.0				
SHALE		weathered. color, pale yellow.	2.5 3.0				Bedding planes; spacing 3~5 cm.
		Base of Hole 3.5m	3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 28.Feb.63

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

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

EXCAVATION NUMBER H - 9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 14 N 1,390 Km 8 R.L GROUND 19 m

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
SILT		color, dark grey.				with plant roots.
CLAY		Bearing lateritic nodules in yellow matrix.	0.5			
		Highly weathered. color, yellow on rock surface.	1.0			color of inner part. pale grey.
SHALE		weathered. color, pale grey on rock surface, pale whitish grey in inner part.	1.5 2.0 2.5			Joint & Bedding; spacing 4-5 cm, strike N15°E, dip 70°SE
		Base of Hole 29m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 23.Feb.63
COMPLETED 28.Feb.63

LOGGED BY K. Iwatomi
DRAWN BY K. Iwatomi
CHECKED BY F. K.

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

EXCAVATION NUMBER H - 10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 06 N 1,390 Km 39 R.L GROUND 23 m

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 SAND		color, grey.				with plant roots
		color, yellow grey.				
CLAY		Bearing lateritic nodules.	0.5			Containing well rounded quartz pebbles (2-3 cm dia), rarely.
		color, dull yellow.	1.0			
Alternation of SHALE & SILTSTONE		highly weathered & jointed rock, somewhat clayey. color, dull grey. joints, are stained to yellow.	1.5			
			2.0			
		weathered. Platy joints are spacing 5-10 cm	2.5			Intervals of alternation; 30-40 cm Joint; strike N65° W, dip 75° NE Stratification; strike N30° E, dip 70° SE
		Base of Hole 3.2m	3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 1.Mar.63
COMPLETED 6.Mar.63

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

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SHEET NO. 83

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

EXCAVATION NUMBER H - 11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 607 Km 82 N 1,390 Km 16 R L. GROUND 24 m

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 SAND		color, yellow Plenty of lateritic nodules form a layer.	0.5				with plant roots. Scattering well rounded quartz pebbles. (4-1cm dia), few or rare.
CLAY		color, fair brownish yellow with some amount of coarse grains. fat clay with lateritic nodules color, brownish yellow.	1.0 1.5 2.0 2.5				
alternation of SANDSTONE & SILTSTONE		hardly weathered, color, yellow, color, dull yellow sandstone, fine grained. weatered. Joints; are stained to black.	3.0 3.5				Remaining bedding of (20-30 thick) sandstone. Joint; spacing 10-15cm strike N 70°W, dip 90°. Bedding plane; spacing 10-15 cm strike N 50°E, dip 20°SE
		Base of Hole 3.75m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 1.Mar.63
COMPLETED 6.Mar.63

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

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SHEET NO. 84

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

EXCAVATION NUMBER
H - 12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 607 Km 92 N 1,389 Km 94 R.L. GROUND 21 m

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		color, dark brown. Containing debris of weathered shale and fine grained sandstone,	0.5 1.0			with plant roots,
alternation of SILTSTONE & SANDSTONE		Weathered rock. Base of Hole 1.50	1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			intervals of alternation, 20-30cm. Bearing plenty of limy patches in greyish yellow rock. Sandstone has formed into intercalated boulders in siltstone facies

HOLE MADE BY Japan
COMMENCED 1.Mar.63
COMPLETED 4.Mar.63

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

SHEET NO. 85

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

EXCAVATION NUMBER H - 13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 05 N 1,390 Km 88 R.L GROUND 19 m

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 / PERMEA BILITY	SAMPLE No	COMMENTS
SILTY CLAY		color, deep grey,				with plant roots swamp deposits.
SANDY CLAY		Bearing very few lateritic nodules & pebbles	0.5			matrix; yellowish grey pebble; well rounded quartz & sandstone
CLAYEY SAND		Bearing weathered sandstone boulders in yellow matrix.	1.0			
		decomposed limy band.	1.5			color, grey
		Base of Hole 1.5m	2.0			On the base of hole, exposing highly weathered alternation of sandstone (grey) and shale (dark grey).
			2.5			
			3.0			
			3.5			
			4.0			
			4.5			
			5.0			
			5.5			
			6.0			
			6.5			

HOLE MADE BY Japan
COMMENCED 5.Mar.63
COMPLETED 6.Mar.63

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

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SHEET NO. 86

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

EXCAVATION NUMBER
H - 14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.
FEATURE Right Bank
CO-ORDINATES. E 608 Km 3 N 1,390 Km 74
R L. GROUND 21 m
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	PERMEA BILITY	SAMPLE No.	COMMENTS
SANDY SILT		brownish dark grey. Bearing lateritic nodules, rarely.	0.5, 1.0				with plant roots.
SILTY CLAY		Bearing limy white patches in yellow matrix.	1.5				Containing plant roots, rarely.
SILTY SAND		Containg weathered rock fragments in yellow matrix. Developing decomposed calcite veins in matrix.	2.0, 2.5				
SANDSTONE		weathered, yellow, fine grained.	3.0				somewhat moistured.
		Base of Hole 3.3m	3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 6.Mar.63
COMPLETED 10.Mar.63

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

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SHEET NO. 87

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

EXCAVATION NUMBER H - 15

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 16 N 1,390 Km 37 R L. GROUND 20 m

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 SAND		color, grey.	0.5 1.0				with plant roots.
SILTY CLAY		Scattering yellow spots in dark grey matrix.	1.5 2.0				
		Bearing well-rounded quartz or sandstone pebbles(1-15cm dia), rarely. Including sandy facies, partially.	2.5 3.0				water level 3.4m (14 Mar.)
SAND STONE		weathered, fine grained and limy rock.	3.5				Joints filled with clay. strike N30°E, dip 80°SE.
		Base of Hole 3.7m	4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 6.Mar.63
COMPLETED 10.Mar.63

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

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SHEET NO. 88

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

EXCAVATION NUMBER H - 16

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES - E 609 Km 11 N 1,392 Km 24 R.L. GROUND 22 m

DETAILS OF LOCALITY ---------- 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
SILTY SAND		color, grey. Bearing plenty of lateritic nodules. 1-05cm dia in brownish grey matrix.	0.5			with plant roots.
		color, yellow.	1.0 1.5			dry state
		Bearing weathered debris.	2.0			
SAND		Containing weathered mediunm grain sandstone. boulders(60cm-1m dia), boulder cemented with fine to medium grained sand (with few silt).	2.5 3.0 3.5			
		Base of Hole 3.6m	4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 6.Mar.63
COMPLETED 10.Mar.63

LOGGED BY K. Iwatomo
DRAWN BY K. Iwatomo
CHECKED BY F. K.

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SHEET NO.89

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

EXCAVATION NUMBER H - 17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 609 Km 08 N 1,391 Km 7 R.L. GROUND 19 m

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 SAND		color, pale grey				with plant roots.
SILTY CLAY		Containing small amount of yellowish clayey part in greyish brown matrix. Bearing small quantity of laterific nodules.	0.5 1.0 1.5			
CLAYEY SAND		color, yellow.	2.0			with weathered debris.
SILTSTONE		weathered. color, grey.	2.5			Bedding; strike N35° E, dip 30° NW.
		Base of Hole 2.8m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 6.Mar.63
COMPLETED 10.Mar.63

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

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SHEET NO. 90

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

EXCAVATION NUMBER RQ 2-1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project. CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E ___ Km ___ N ___ Km ___ R L GROUND ___ m

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
		Grey. Scattering some quantity of laterific nodules in white silty sand	0.5				Containing plant roots.
SILTY SAND		Color. greyish yellow. Containing some clay	1.0 / 1.5 / 2.0				
		Containing white limy spots.	2.5				
CLAYEY SILT		Existing grey clayey, partially	3.0				
		Base of Hole 3.0m	3.5 / 4.0 / 4.5 / 5.0 / 5.5 / 6.0 / 6.5				

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 66.Mar.63

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

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SHEET NO. 91

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

EXCAVATION NUMBER
RQ 2-2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project. CAMBODIA. FEATURE Right Bank

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

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 SAND		Grey.	0.5			Containing plant roots.
		Color, yellow.	1.0			
		Scattering small quantity of lateritic nodules	1.5			
		Bearing debris of highly weathered & decomposed sandstone. Size of debris 10-15 cm. Some parts, clayey facies.	2.0 2.5			
		Sandstone boulder.?	3.0			
		Base of Hole 3.0m	3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 16.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
RQ 2-3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA, FEATURE Right Bank

CO-ORDINATES · E ___ Km N ___ Km R L GROUND ___ m

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 SAND		Color, grey Color, yellow	0.5 1.0 1.5 2.0			Containing plant roots. Highly weathered and decomposed Shale or siltstone.
SILTSTONE		Very soft rock.	2.5 3.0 3.5			Bandded structure.
		Base of Hole 3.7m	4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 16.Mar.63

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

SHEET NO. 93

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

EXCAVATION NUMBER RQ 2 - 4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project. CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E ___ Km ___ N ___ Km R L GROUND ___ m

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 SAND		Grey with few lateritic nodules.	0.5				Containing plant roots.
		Bearing lateritic nodules.					
		Color, yellow	1.0				Moistured
			1.5				
			2.0				
		Containing grey shaly debris	2.5				
			3.0				
		Base of Hole 3.2m	3.5				
			4.0				
			4.5				
			5.0				
			5.5				
			6.0				
			6.5				

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 16.Mar.63

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

SHEET NO. 94

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

EXCAVATION NUMBER
RQ 2-5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES . E ___ Km ___ N ___ Km ___ R.L. GROUND ___ m

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 SAND		Dark greyish ash color					Containing plant root.
		Color, yellow Containing lateritic nodules, very rare. Somewhat loosened.	0.5				
		Color yellow. Spotted white limy patches, a little.	1.0				
		Color, yellowish brown. Sand rich facies.	1.5 2.0 2.5				Somewhat moistured.
CLAYEY SAND		Scattering whitish grey spots, of small quantity, in yellow matrix	3.0				
		Base of Hole 3.35m	3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 16.Mar.63

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

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SHEET NO.95

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

EXCAVATION NUMBER LQ 1-1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 92 N 1,399 Km 5 R L. GROUND 46 m

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		dark brownish grey, with no coarse grains.					Containing much plant roots.
SANDSTONE		alternation type. fine grained. Joint spacing 10-15cm.	0.5				Sedentary soily state due to high degree of weathering. strikeN60°E, dip 80°SE.
		Base of Hole 0.85m	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 Japan
COMMENCED 6.Mar.63
COMPLETED 7.Mar.63

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

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SHEET NO. 96

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

EXCAVATION NUMBER LQ I - 2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 619 Km 8 N 1,399 Km 65 R.L GROUND 54 m

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 SAND		Color, grey. With some-little round pebbles.					Containing plant roots
SILT		With few lateritic nodules & rock fragments	0.5				rock fragment; shale, sandstone and quartz, subangular shape.
SANDY CLAY		With weatherd sandstone blocks or boulders.	1.0				Scattering few white limy spots
SANDSTONE		Yellow, pale yellow. massive.	1.5				
		Base of Hole 1.9m	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 8.Mar.63
COMPLETED 17.Mar.63

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

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SHEET NO. 97

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

EXCAVATION NUMBER LQ 1-3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 67 N 1,399 Km 78 R.L. GROUND 58 m

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 SAND		color, grey.					Containing plant roots
		Color, pale grey. Containing lateritic nodules much.	0.5				lateritic nodule, 1cm dia..
		Bearing lateritic nodules in white matrix	1.0				lateritic nodule, 1.5~2 cm dia.
SILTY CLAY		Color, orange, Scattering yellow spots. Containing weathered siltstone fragments, partially.	1.5				
SILTSTONE		Highly weathered					Bedding: strike N25°E. dip 70°SE.
		Base of Hole 1.9m	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 8.Mar.63
COMPLETED 10.Mar.63

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

273

SHEET NO.98

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

EXCAVATION NUMBER
LQ1-4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES · E 619 Km 51 N 1,399 Km 94 R.L GROUND 55 m

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 SAND		Dark grey.				Containing plant roots.
		Color, grey. with few lateritic nodules & debris.	0.5			Debris ; Sandy rock.
CLAYCY SILT		Color , yellow. Beanng siltstone tragments	1.0 / 1.5			Spotting small quantity of white limy materials.
SILTSTONE		Rock surface yellow but inner part yellowish grey	2.0			Massive type. Strike & dip of bedding are uncertain.
		Base of Hole 2.2m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 10.Mar.63
COMPLETED 17.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 LQ 1-5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 34 N 1,400Km 07 R.L. GROUND 49 m

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 SAND		color, dark grey.					containing plant roots.
SILT		With lateritic nodules (1-0 5cm dia) and some clay.	0.5				
SILTY CLAY		color, yellow. With sandstone and shaly rock fragments.	1.0				rock fragment: weathered
SHALE		color, yellow. Hardly decomposed.	1.5				Hardly foliated, strike N 25°E, dip 65°SE.
		Base of Hole 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 Japan
COMMENCED 10.Mar.63
COMPLETED 11.Mar.63

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

N75

SHEET NO. 100

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

EXCAVATION NUMBER LQ 1-6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 19 N 1,400 Km 27 R.L GROUND 43 m

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
SILT		dark grey.					Containing much plant roots.
CLAYEY SILT		dark grey. Bearing limy nodules 1~3 cm dia. in some quantity.	0.5				Shrinkage cracked after digging.
SILTY SAND		color, pale yellow. Containing limy patches in plenty.	1.0				
SAND STONE		dark bluish green, medium grained, sound rock.	1.5 2.0				Jointing, blocky
		Base of Hole 2.4m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 10.Mar.63
COMPLETED 12.Mar.63

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

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SHEET NO. 101

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

EXCAVATION NUMBER LQ1-7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 619 Km 52 N 1,400 Km 25 R.L GROUND 52 m 5

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		color, grey.					with much plant roots.
CLAY		color, pale yellow.					with few lateritic nodules.
SILTSTONE		color, pale yellowish grey. Clayey state due to high degree weathering.	0.5				Bedding ; strike N30°E, dip50°SE.
		Base of Hole 0.75m	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 Japan
COMMENCED 12.Mar.63
COMPLETED 13.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 LQ1-8

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES - E 619 Km 65 N 1,400 Km 09 R.L. GROUND 58 m

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 SAND		black. (due to fire)				with plant roots
GRAVEL		pale yellow~white with much boulders & small sized pebbles	0.5			Pebble; size 4~5cm, subangular shape
SILT		With few debris. Compacted				
GRAVEL (highly-weathered CONGLOMERATE)		Completely decomposed. pebble and cobble; — Shape; angular to subangular or round. Size; 5~15 cm dia.. and large boulder on base. Matrix, somewhat coarse grained sand.	10 15 20		55	Sort of pebble or cobble; slate, & chert in plenty. quartz, mudstone and sandstone in small quantity.
		Base of Hole 2.2m	25 30 35 40 45 50 55 60 65			

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 15.Mar.63

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

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SHEET NO. 103

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

EXCAVATION NUMBER
LQ1-9

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 79 N 1,399Km 93 R L GROUND 55 m

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
GRAVEL		grey, with pebbles 3cm dia.	0.5				Containing plant roots
		Bearing pale grey, round(3~4 cm dia) pebbles & angular debris in pale grey silty sand.	1.0				Containing few plant roots. rather loosend state in compaction
		Completely decomposed conglomerate ?. Pebble and cobble, in some what coarse grained sand.	1.5				tightly compacted. dry state. same to depth of 0.8-2.2m in LQ1-8
		Small quantity of round pebble & debris in matrix of sandy silt, with obsequre band of limy material, partially	2.0 2.5				
		Baseof Hole 2.8m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 13.Mar.63
COMPLETED 1.Mar.63

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

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SHEET NO.104

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

EXCAVATION NUMBER LQ1-10

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E619 Km 96 N1,399 Km 96 R.L. GROUND 55 m

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 SAND		black somelittle pebbles(ø2-10cm) in pale white sandy silt					Containing plant roots. pebble; well round and angular, or lateritic nodules
		pebbles in pale white sandy matrix.	0.5				Pebble, well rounded or anglar. Dry and compact.
GRAVEL		angular and subangular or well rounded pebbles or cobbles 5~15cm dia. in yellow very fine grained sand with silt and clay.	1.0 1.5 2.0 2.5 3.0 3.5 4.0				pebble; quartzose rock, black chert, pale white weathered shale, very fine grained liparitic rock and white or light yellow limy concretion. Slightly moistured and compact.
		Base of Hole 4.0m	4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 15.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO. 105

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

EXCAVATION NUMBER LQ 1-11

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 620 Km 02 N 1,400Km 13 R.L GROUND 52 m

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 SAND		dark brown~black. brown has tinged of grey. Containing lateritic nodules & pebbles of small size.	0.5				Containing plant roots.
CLAYEY SILT		color, dull yellow Bearing a small quantity of debris.	1.0				
SILT STONE		color, dark grey.					rather fresh.
		Base of Hole 1.2m	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 15.Mar.63
COMPLETED 18.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 LQ 1-12

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 619 Km 87 N 1,400Km 28 R.L. GROUND 52 m

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SILTY SAND		grey					Containing plant roots. dry state & loosened in compaction
GRAVEL		light brown pebbles & cobbles or rock fragments in sandy matrix.	0.5, 1.0				somewhat compact. moistured.
		weathered conglomerate ?	1.5, 2.0				very tightly compact.
		Base of Hole 2.3m	2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 17.Mar.63
COMPLETED 20.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 LQ1-13

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 72 N 1,400 Km 42 R L GROUND 52 m

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 SAND		color, grey. Bearing few lateritic nodules & boulders					Containing plant roots. boulder; weathered sandst.
SAND		yellow khaki color. Bearing brown sandstone debris.	0.5				Containing plant roots. Rather loosened in compaction.
SANDSTONE		Sedentary soily state due to highly weathered & completely decomposed. yellow ~ khaki color.	1.0				Banded type, 5 ~ 10 cm in intervals, strike N10°E, dip 80°SE.
		Cemented with white limy material.	1.5				
		Base of Hole 2.2m	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 15.Mar.63
COMPLETED 19.Mar.63

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

SHEET NO. 108

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

EXCAVATION NUMBER LQ1-14

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES. E619 Km 64 N 1,400Km 59 R.L. GROUND 43 m

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 SAND		dark grey in color. with lateritic nodules of small size.	0.5			Containing plant roots. Somewhat loosened feature in compaction.
SILT		color, pale yellow. Bearing plenty of siltstone debris.	1.0			
SILTSTONE		color, yellow tinged of grey in it Foliated & completely " decomposed due to high degree of weathering	1.5 2.0 2.5			dry. Bedding ; strike N10°E, dip 85°SE
		Base of Hole 2.5m	3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5			

HOLE MADE BY Japan
COMMENCED 17.Mar.63
COMPLETED 20.Mar.63

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

SHEET NO. 109

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

EXCAVATION NUMBER: LQ1-15

TEST PIT AND AUGER HOLE LOG

LOCATION: Sambor Project, CAMBODIA. FEATURE: Left Bank
CO-ORDINATES: E 619 Km 2 N 1,399 Km 8 R.L. GROUND 51 m
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
SANDY SILT		dark brownish grey. Bearing somewhat lateritized nodules in very small quantity.	0.5				Containing much plant roots.
		with well decomposed dull yellow sandstone debris	1.0 1.5 2.0				
		Base of Hole 2.0m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 18.Mar.63
COMPLETED 20.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 LQ1-16

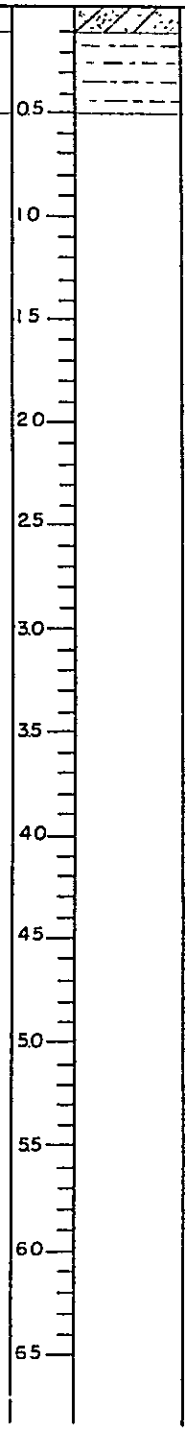
TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES · E 619 Km 36 N 1,399 Km 63 R.L. GROUND 55 m

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 SAND		color, grey				Containing plant roots.
SILTSTONE		yellow~pale yellow due to weathering. Bedding spacing: 5-10cm.				Joints are stained. strike N15°E, dip 55°SE.
		Base of Hole 0.5m	0.5			



HOLE MADE BY Japan
COMMENCED 18.Mar.63
COMPLETED 18.Mar.63

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

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SHEET NO. III

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

EXCAVATION NUMBER LQ I-17

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 619 Km 52 N 1,399 Km 51 R.L. GROUND 56 m

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
SILT SAND		color. grey.					Containing plant roots.
		Slightly lateritized; Pale yellow tinged of orange in it	0.5				
		Clayey due to sheeting & high degree weathering.					
SHALE		Weathered & sheeted. color. yellow.	1.0				Bedding ; strike N-S, dip 75° E
		Base of Hole 1.7m	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 17.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO. 112

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

EXCAVATION NUMBER
LQ 2-1

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 613 Km 15 N 1,391 Km 93 R.L. GROUND 30 m

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
SAND		Very pale yellow.	0.5				Containing plant roots
		Color, pale yellow. With sandstone debris, in small amount.	1.0				
SANDSTONE		Pale yellowish brown. Completely decomposed, forming sedentary soils.	1.5				Originally massive state.
		Base of Hole 1.9m	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 16.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO. 113

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

EXCAVATION NUMBER LQ 2-2

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA — FEATURE Left Bank
CO-ORDINATES : E 613 Km N 1391 Km — R.L. GROUND 28 m
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
SILT		Light yellowish brown. Completely decomposed sheeted siltstone. Orange yellow due to very week lateritization. Bearing small size debris of siltstone.	0.5, 1.0				Containing plant roots
SILTSTONE		Pale yellowish grey due to high degree of weathering.	1.5				Banded and sheeted. Staining joint and bedding plane. Strike N50°E, dip 80°SE.
		Base of Hole 1.8m	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 16.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO.114

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

EXCAVATION NUMBER
LQ 2-3

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA
FEATURE Left Bank
CO-ORDINATES : E 612 Km 85 N 1,391 Km 96
R.L. GROUND 27 m
DETAILS OF LOCALITY
TYPE OF EXCAVATION 10m x

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		Color, grey					Containing plant roots.
		With lateritic nodules.	0.5				Lateritic nodule, 1cm dia.
SANDSTONE		Dark grey, medium grained, platy jointed	1.0				Banded. strike N 10° E, dip 80° SE.
		Base of Hole 1.1m	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 16.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO. 115

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

EXCAVATION NUMBER
LQ 2-4

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES : E 612 Km 75 N 1,391 Km 97 R L GROUND 26 m

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	PERMEA BILITY	SAMPLE No.	COMMENTS
SAND		Pale brown, fine grained.					Containing plant roots.
SILTYSAND		With sandstone boulders 15 - 20 cm dia. in Pale yellowish brown matrix.	0.5 1.0				Slightly clayey.
		Base of Hole 1.2m	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 16.Mar.63
COMPLETED 17.Mar.63

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

291

SHEET NO. 116

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

EXCAVATION NUMBER LQ 2-5

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 613 Km3 N 1,391 Km 93 R.L. GROUND 31 m

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	PERMEA BILITY	SAMPLE No	COMMENTS
SANDY CLAY		Light khaki, Bearing some lateritic nodules. Khaki. Containing fragments of weathered sandstone & shale. Color, light khaki.	0.5 1.0				Containing plant roots. Lateritic nodule layer.
SILTSTONE		Light khaki color due to weathering. Intercalating Shaly band 50cm in width.	1.5 2.0				Bedding; Strke N7°E, dip 75°SE.
		Base of Hole 2.2m	2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5				

HOLE MADE BY Japan
COMMENCED 16.Mar.63
COMPLETED 20.Mar.63

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

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SHEET NO. 117

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

EXCAVATION NUMBER LQ 2-6

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES E 613 Km 45 N 1,391 Km 96 R.L GROUND 31 m

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
SAND		Very fine grained, grey.					Containing plant roots.
		Color, pale yellowish orange. Fine grained.	0.5				Very slightly lateritized.
		With some lateritic nodules.	1.0				
SANDSTONE		Completely decomposed yellow sandstone, showing state of sedentary soils.	1.5				
		Base of Hole 2.0m	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 16.Mar.63
COMPLETED 20.Mar.63

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

293

SHEET NO.118

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

EXCAVATION NUMBER
LQ 2-7

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Left Bank

CO-ORDINATES . E 613 Km 6 N 1,391 Km 99 R.L. GROUND 32 m

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
SAND		Grey, fine grained.				Containing plant roots.
SILTY SAND		Yellow with lateritic nodules.				
CLAYEY SILT		Yellow.	05			Sheeted and foliated. Pale greyish yellow shale on the base of hole.
		Base of Hole 1.1m	10			
			15			
			2.0			
			2.5			
			30			
			35			
			40			
			45			
			5.0			
			55			
			60			
			65			

HOLE MADE BY Japan
COMMENCED 16.Mar.63
COMPLETED 17.Mar.63

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

296

SHEET NO. 119

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

EXCAVATION NUMBER
F - 1
(SHEET 1 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.
FEATURE Right Bank
CO-ORDINATES : E 609 Km 09 N 1,389 Km
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		Fresh, fine grained in most part	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			56	Base of pit Hole 4.15m
		Continued.					

HOLE MADE BY Japan
COMMENCED 5.Feb.63
COMPLETED 25.Feb.63

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

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SHEET NO. 120

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

EXCAVATION NUMBER F - 1
(SHEET 2 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA
FEATURE Right Bank
CO-ORDINATES : E 609 Km 09 N 1,389 Km
R L. GROUND ____ m
DETAILS OF LOCALITY ____
TYPE OF EXCAVATION Pit 1.0m x1.5m Percussion 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
SAN D		Fresh, fine grained in most part Containing very small quantity of pebbles, 1cm dia.	5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0		56	
		Base of Hole 10.0m				

HOLE MADE BY Japan
COMMENCED 5.Feb.63
COMPLETED 25.Feb.63

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

296

SHEET NO 121

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

EXCAVATION NUMBER F - 2
(SHEET 1 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 09 N 1,389Km 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		Fine grained. Bearing no pebbles	0.5, 1.0, 1.5, 2.0, 2.5			57	Base of pit Hole 2.5m
		Continued	5.0, 5.5, 6.0, 6.5				

HOLE MADE BY Japan
COMMENCED 13.Feb.63
COMPLETED 11.Mar.63

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

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SHEET NO. 122

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

EXCAVATION NUMBER F - 2
(SHEET 2 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA.
FEATURE Right Bank
CO-ORDINATES : E 608 Km 09 N 1,389 Km
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 PERMEABILITY	SAMPLE No.	COMMENTS
SAND		Medium grained, Bearing no pebbles.	5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0		57	
		Base of Hole 10.0m				

HOLE MADE BY Japan
COMMENCED 13.Feb.63
COMPLETED 11.Mar.63

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

298

SHEET NO.123

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

EXCAVATION NUMBER F-3 (SHEET 1 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank

CO-ORDINATES : E 608 Km 8 N1,388 Km 5 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		Fine grained.	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0			58	Base of pit Hole 2.5m
		Continued					

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 11.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 - 3
(SHEET 2 OF 2)

TEST PIT AND AUGER HOLE LOG

LOCATION Sambor Project, CAMBODIA. FEATURE Right Bank
CO-ORDINATES E 603 Km 8 N 1,388 Km 5 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		Bearing small quantity of pebbles, 1cm dia (3pieces in 1m)	5.5			
		Fine grained.	6.0			
			6.5			
			7.0		58	
			7.5			
		Medium grained. Containing few pebbles.	8.0			
			8.5			
			9.0			
			9.5			
			10.0			
		Base of Hole 10.0m				

HOLE MADE BY Japan
COMMENCED 26.Feb.63
COMPLETED 11.Mar.63

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