## 3.3 Data of Core Drilling Work

#### Tables:

- 1. List of Core Drilling
- 2. Standard of Classification for Drilled Core
- 3. Standard of Rock Mass Evaluation
- 4. Relation of Rock Mass Evaluation and Classification for Drilled Core

#### Geologic Log of Drillholes:

1. Se Kong No. 4 Dam Site

 SK-1
 5 sheets

 SK-2
 3 sheets

 SK-3
 5 sheets

2. Xe Kaman No. 1 Dam Site

XK-1
 S sheets
 XK-2
 S sheets
 XK-3
 S sheets

3. Xe Namnoy Dam site

 XN-1
 4 sheets

 XN-2
 2 sheets

 XN-3
 3 sheets

 XN-4
 4 sheets

 XN-5
 3 sheets

 XN-6
 3 sheets

List of Core Drilling

	Drillhole		Coord	inates
Project	Number	Length (m)	N	Е
Se Kong No. 4	SK-1	100	1,715,122	692,132
	SK-2	60	1,715,512	692,112
	SK-3	100	1,715,808	692,102
Xe Kaman No. 1	XK-1	100	1,654,608	732,180
	XK-2	60	1,654,826	732,279
:	XK-3	100	1,654,937	732,330
Xe Namnoy Midstream	XN-1	80	1,663,482	673,317
	XN-2	40	1,663,766	673,584
	XN-3	60	1,663,921	673,730
	XN-4	80	1,664,760	672,460
	XN-5	60	1,664,870	672,760
	XN-6	60	1,664,840	672,980
Total	12 holes	900		

## Standard of Classification for Drilled Core

	Weathering	1.5.41	Hardness	c	rack spacing
1	Very fresh. No weathering of mineral component.	ļ	Very hard. Broken into knifeedged pieces by strong nammer blow.	1	Over 30 cm
2	Fresh. Some minerals are weathered slightly. Usually no brown crack.	*-	Hard. Broken into pieces by strong hammer blow.	2	10 - 30 cm
3	Fairly fresh. Some minerals are weathered. Cracks are stained and with weathered material.	1	Brittle. Broken into pieces by nedium hammer blow.	3	3 - 10 cm
4	Weathered. Fresh portions still remain partially.		Very brittle. Easy broken into pieces by medium hammer blow.	4	1 - 3 cm
5	Strongly weathered. Most minerals are weathered and altered to second minerals.	1	Soft. Able to dig with hammer.	5	Under 1 cm

This standard has been used by EPDC.

### Standard of Rock Mass Evaluation

Class	Rock Mass Condition
a.	Fresh, sound, cracky in part
<b>b.</b>	Weathered, brittle, cracky
c.	Strongly weathered, soft or very cracky

#### Relatiion of Rock Mass Evaluation and Classification for Drilled Core

			Grade of V	Veathering and	Hardness	
		1	2	3	4	5
	1					
Grade of	2	]	a	•		
Crack	3			ь	· ·	
Spacing	4				Ċ.	
*	5					

GEOLOGIC	. ^ ^ ~ ~	~~~	
(2 L/M / M/21(*)	3 (1/2 / 1)	2 3 LJ 11 - 1	LI/11 L

				sin			-	-		The state of the s	E No	٠	Sk	<u>·1</u>			( 5	SHEE	<u> 1 of</u>	5)
LOCA	NOL	Se	Kong	No.4 D	<u>amsit</u>	e				EPTH OF HOLE <u>100.0</u>		a	•	COMMENCE	) _	1_	1-19	394		
ELEV	ATION	26	5.7						D.	RECTION OF HOLE 90'				COMPLETE	0	25	-1-	1994		
COORI	INATE	<u> X:</u>	E69213	32	_:				CO	DRE RECOVERY 99.7		*		DRILLED 1	ВΫ	Th	ong:	say	<u> </u>	
		<u> </u>	N17151	22	·				08	RILLING MACHINE KT-100		5,35		LOCCED B	Y _	Ho	shii	no .		
*		¥		_ ≥					OBSE	RYATION OF CORE		Ţ	EST	HQ.	w w		ĕ	æ		
ELEVATION	0£PTH	ROCK NAME	100	CORE RECOVERY	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EYALUATION	DESCRIPTION	LUGEON	Pmax	D d	OEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WAT RETURN	<u>6.₩.L</u> (Opt.H)	H1.d30
265.7	01		<u> </u>	0 = 100-	4	_			L			Kgf	/cni					*		Ow
265.7		ļ	4							SOIL with ang.gravel				. :						Linds.
	2	المالييناسياسيد	X X X		y.65	3	3	3		Sandy TUFF Color changed yellowish SILT fill cracks Broken with hammer blow										-1
	3		×	***	grey	2 1 3	2	2 1 3	b	Cracks stained to brown	1		1							3
	5	سسلسمه	X X		35.6	3	3	3		Oreen lapilli up to 5cm 5,5 to 5,8m purple					ı					- 5
	6	معلمدمطيعميتكمم	×		grey	1 3		3		6.5mt brown #tmin 10cm thick 6.3m: cluy 2cm thick										-6
	7 8	alexantracitesentasentraciteratur f	X							20cm green grey block	Lu=14.3	5.16		0.05m AL-17R B.70m ACA1270		-			9m (9.30h)	.7 8 9
	2	eneline marketing and the second	X		grey		2		A	Graded corse-fine  Lamina are horizontel to 20' Few calcite vein <2mm	-								(10.30m)	1 2 3
	3	عيملاسمية بمعتلامه ماتي	× × ×		purpitsh	2		2		Fine purplish  Corno with grown & purple									(13.10m) (14.90m)	4 5
	7 41	سيطيعونيكيستيةمينياسيت كيدينة فالتبييلومينيانويينا	X						للا المراجعة	spot(up to 2nm)  Lappilis up to 5cm across at 15.3m  Upward fining at 15.5m  Lappili Toff like at 15.7m  Catcile vets 701-901  up to 2mm thick	Lund.	5.26	7.76	17. 16m de 1490			This are story and the story are story as the		(1 - 9m) (17 - K3m)	5 7 8 9
L215.	70 20	1_	1^		X X	1	1	1	1 látic	s armer's nete s it). 2 (eugetick). 3 (piece). 4 (freement). 5 (grein)	<del></del>	<del>_</del>	<del>L</del> .	<u>.                                    </u>	L Ef	) ) 	) C	<u>∟</u> 3 ¢	<b></b>	F 20

DECATION   285.7	S	e Kong	Riv	er Ba	sin F	ROJE	<u>CT</u>		<u>.</u>			HOLE			SK	-1			( !	SHEE	<u> </u>	( 5 )
CORD   NATE   X   E692 32					No.4 Da	unsi t	e								•		-					
### 100   DOSESPATION OF CORE   TESTING   DOSESPATION OF CORE   TESTING OF CORE   TESTING OF C		-													•		-					<del></del>
1	COORDI	NATE _												*	•		-					
Section   Sect				17151		1											Υ .					<del></del>
20m	NOIL	æ	IANE		£8.4 £8.4	-	ģ					$\dashv$	2		551	ING	T PE	S.	¥7,10)	ATER IRN		E
20m	EVA	90	Š		8 8	070	2 × ×	ė	XQX Sec	ROCK	DESCRIPTION	- 1	DEED I	P.	ů.		THE T	CAS	굨		G.W.L (Opt.H)	EP I
24. 1			<u>«</u>			ļ	₹	=	20	2					/cal				3			20-
1	245.70	20m		><	खखख	1		$\vdash$	-		Sandy TUFF		7	(1.00)		20.33m	<u> </u>			-		2011
Lapititity to 2cm across		. 1		><		P.8	2									#1-110 #1-173						
2		, 1	:					1														E,
Crack stained   From 22.9m to 24.5m   From 22.9m to 25.7m   From 12.9m to 25.7m   From		2	-			e e					rich	ŀ										E 2
7		1		><		87.8	1				tot ber a der total		. 1	8.								
2		3 -		><		ž					Crack stained		٦	7	Ċ							3
2		1	:	><		) Xg	ľ				Solution valu											
1   2   2   3   3   3   3   3   3   3   3		4	٠.	><		ä	2															4
1   2   2   2   3   3   4   4   4   4   4   4   4   4		1				<u> </u>					acroms		.									
1		5 1			<b>                                     </b>				2			-	_			:						
# the from 26.1m to 26.3m to 2		5 7		İ			1				Dissolved stained vein	Ì										8
2											at from 25.1m to 25.3m and from 25.5m to 25.7	· [										
23.8-30.0m purple fine 29.7-29.9m purple fine 29.7-29.9m purple fine White spot up to 2mm across Urean irragolar net In purple fine layar 28.2m and 20.5m  Fine wandy  2		7 1		><		87.63					op to orbone area			e	, e						8.2m (27.00m)	7
20.7-20.9m purple fine  White spot up to 2mm across Urean irregular net lar purple 1		1		><			з					ļ	2.	7.9							2.5m (27.70m)	
White wpot up to 2mm across Green Irregolar net in purple fine layer between 28.2m and 28.5m  Fine wandy  2  3  Fine wandy  2  4  4  5  6  7  7  7  7  7  7  8  7  7  8  7  7  8  7  7	1	8 -		><		6					29.8-30.0m purple fine 28.7-28.9m purple fine		~									
across decomposition of the state of the sta		9		><		1 5					White spot up to 2mm											,
2 a between 28.2m and 20.5m    2   3		1		><							-scroww Orean irregolar net											
Fine sandy  Pine s		30	1					2		à	between	}	-								გო (30.10ო)	30
Pine sandy  Pine s		1																				F
2  3  4  4  4  5  6  6  7  7  7  7  8  7  8  8  9  1  1  1  1  1  1  1  1  1  1  1  1		1 4		75					3				1									
and the state of t		1 1		><	<b>A</b>						Fine sandy											È 2
Greenish mondy with mondy with mond from 10cm to 20cm thick at dem interval  Some calcite vein at 80.  125.70 40		1		×							·		~	97	47							£
Granish sondy with sondy with sond fine purifish layer from 10cm to 20cm thick at dom interval at dom interval fining  Some calcite vein at 80' Upward fining  225.70 40		3 4	: "	><					2	-			ភ	٠	3							3
Grantsh sandy with sand fine purplish layer from 10cm to 20cm thick at dom interval  Some calcite vein at 80' Upward fining  25 70 40				36		1					:											
Grantsh sandy with sand fine purplish layer from 10cm to 20cm thick at dom interval  Some calcite vein at 80' Upward fining  25 70 40		4				310														:		£4
2  Croonish sandy with sand fine purplish layer from 10cm to 20cm thick at dom interval  Some calcite vein at 80' Upward fining  2  Some calcite vein at 80' Upward fining		1				, s		}	3			ļ										t.
Greenish sandy with some fine purplish layer from 10cm to 20cm thick at 4cm interval  Some calculate value at 80' Upward fining		5		/ `			2				,		ī	1	ı							
Granish sandy with span of the purplish layer from 10cm to 20cm thick at dom interval of the purplish layer of the first of the purplish layer of the purp		[ ]		><					1			-	_	<u> </u>								£ 6
g   2   2   Greanish sandy with some from 10cm to 20cm thick at 4cm interval   2   Some calcite vein at 80'   1   1   1   1   1   1   1   1   1			i.	<b>&gt;</b> <		<del> </del>	┨.															
from 10cm to 20cm thick of 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		,		><							Greenish sendy with					1.	ļ					7
Some calcite vein at 80'  Upward fining		-		×					2		from LOCK to 20cm thic	ek .	0									
Some calcite value 80 Upward fining 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 -		1><		1 5							ū								]	E .
225.70 40 X Upward fining						7687					Some mulatha cata as a										1	£ 9
225.701.40.1 1.00201111 1.11									-			.					1					
	225.70	10	1	Ļ	RAMI	<u></u>		1	1	1	p drillion is not a 4		1	1	1	1	L		<u></u>	L_	l	F 40

Se	- Kon	Rive	r Ba	sin P	ROJE(	<u>ፓ:</u>			: -	HOL	E No		SK	-1			1	HEE	1 3 of	5 ]
LOCATIO	N	Se	Cong	No.4 Da	asite	<u> </u>			DE	EPTH OF HOLE 100.0			(	COMMENCE	0 _	1.	1-1	394		· ·
ELEVAT	ION	265	1	1.0		4		<u></u>	DI	RECTION OF HOLE 90		Ä.	. (	COMPLETE	D _	25	-1-	1994	<u></u>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
COORDIA						· .			CC	RE RECOVERY 99.7		*	۱ ز	DRILLED	8Y _	<u> </u>				
. •-••-•			17151							RILLING MACHINE KT-100		٠.		LOGGED B	Υ		. :			··············
<u> </u>			1		- 1					RYATION OF CORE	Γ	TI	ESTI		1		ē	ex.		
ELEVATION	ОЕРТИ	ROCK NAME	9 O T	CORE	COLOR	WEATHER-	HARD- NESS		. 3	DESCRIPTION	LUCEON	PROX	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRN L WATER Return	8.W.L (Dpt.H)	кт дзо
- P <sub>N n</sub>	40m			0 + 100%		f	-					Kçr	/cal					х	9 1 1	40m
225.70			汉	1888																
			><								\ . :	; :	2							
	, ,		100							Course sandy TUFF and medium grained sandy Tuff		٠.		1						
	2		X				:	,				2							41.9m	-2
100	2,7		Ж								5.3	32	42					·	(Firial)	
	3 -		×								Lun.	,	6		1.	17				3
	Ĭ		Ж		red								1.1			1		:		-
. 4	4 -															1				4
			沃		green1sh	2														
	5		×		9					Purple fine	<u> </u>									- 5
			><		*			2		at 47.3m lam at 15', 47.65m,5cm thick at 30'	-	Н								
2.5	6 -		><									ľ		11.11						-6
			l . :				ļ ·			Stained orack from 47.7m to 49.0m	1									
	7 -	;	) X							women with entoite volu					27					3
			><								13	0.2							1	a
	8 -		><	#						Few 0.5cm fragments in Coerse TUFF	3	8	'						1	
	9	,	><	<b>a</b>	<del> </del>	-				m muce									į.	9
	•	: :								Coarms mandy TUFF Few lapilli up to tem across at 51.8m	1.	1			V.		-			
	50 -	1745	1				2		8	Purple shale fine with										50
	1	7	><							calcite ismina at 75' at 49.5m	-	-						'	e:	
	1 -		×					ļ									Г	1		1
	-		><														ľ		7m	
	2 -					2				Purple Tuff(fine) band of 2mm wide at 52.1m at 45.		1					ľ		7m (5) .90m)	2
	-		13					1	]	Zmm wide at 52.[m at 45.	1 7	78	5.26							
	<b>3</b> -		X						-	Culcite vein Solution of calsite vein	0=0	7	¥n							3
	-	}	×		À S	1		1	1	from 50.8m to 50.8m and from 67.7m to 57.8m		1.								
	4 -		) <		4			2											1 1	4
					=															-5
	5 -		X		purpl	3				1		1		1 '						
			×			1		$\vdash$	-							2:				-6
	6	1	><							Fine wandy TUFF	1									
	,	1	><	RRRIIII		1		2		Tragalar coloita vata o			.			1.				7
	.	1						1		Tone from 66.0m to 57.2m Contre sandy TUFF	ro A	ାନ								#
	8	4		REPU				3		Vertical exists vain	3		80	100	1					8
		1	><		-			<u> </u>	1.	dismoived and brown stal 5mm wide	n .							-		
	g.	1	><			5	1	2		Fine sandy TUFF										9
		1	1 ×					1		Fine mandy TUFF Purple fine band at 70'			_						370	Į.,
205.70	<u> 180</u>	1	1	1/1 ~	ш N	<del>.  </del>	1	<u> </u>	ــــا	h driffer's sette a					E		71	71/	<u></u>	
			4 (	M	N	1	ı	1 84		ori, 2 www.tieki, 3 spiecel, 4 ifrogmenti, 6 igraini Isefti		6							TV	40 (70

S	e Kong	Riv	er Ba	sin P	ROJE	CT_				HOI	E No		SK	-1			15	SHEE	<u> 4 01</u>	5)
LOCATI	ON _	Se	Kong	No.4 Da	asit	e			DI	OPTH OF HOLE 100.0		a		COMMENCE	0 -	1-	1-19	94		
ELEVAT	ION	265	7		- 11		0	<u> </u>	DI	RECTION OF HOLE 90'				COMPLETE	0 _	25	-1-1	994		<u>.</u>
COORDI	NATE _	X:E	69213	32			· .	_	C	ORE RECOVERY 99.7		*		DRILLED	8Y _					<u> </u>
_1		Y:N	17151	22					DF	RILLING MACHINE KT-100			-	LOCGED B	Υ_					
<b>X</b>		J.	IJ	:87		T.L.	Τ	(	BSE	RVATION OF CORE	+	٢	EST	NG	ÞE	9	HOIL	YEN N		æ
ELEVATION	DEPTH	ROCK NAME	100	CORE RECOVERY	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EYALUATIO	DESCRIPTION	LUCEON	Рмех	٩٥	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRAL WATER Return	B.W.L (Dpt.H)	нтаза
205.70	60m			0 + 100 <sub>%</sub>								Kgt	/cnl					*	(e0,0 <del>0</del> m)	80m
203.70	1		X							Solution vein at 50.8m Cracks stain brown	$\vdash$		$\coprod$	·					(en/man)	ılu
	1 4		><							• 4										idu.
	1	•• ••	X							Coarse TUFF										
	2 1		×		3.					Lapilli up to 1cm 3cm isppilli at 62.8m	8.5									-2
	1		><		purpl						Lu=0.4	7.95								
	3		) \ } \				2			Fine TUFF Calcite vein at 70'. 1-2mm thick	1	"								-3
	4 -				eddish					Coarse sandy TUFF										4
	1		×		6															
	5 -		><							Vertical calcite vein	-	_								- 5
	udan		><							Olim Cirior Dollar Com										- В
	.6 1		><											,						
	7		><			1				SHALE	1									-7
	2007		><							Durk red pormion Laminated at 10' Dark pormion is conrec	1.									
. '	. 8		) <b>(</b>		r o	'				Irregular entotte net				•						- 8
	1				dark				- '	·	1,040.	7.78								9
	8 June		1 .		٠ ا					Purple net from 67.5m to 68.0m	3	1	`							
	70	Tuff	×			2		2	a											70
	70 -	F	><			1				Fine TUFF										اساس
	1 1		><							Vertical valn from 66.9m to 68.3m										1
ŀ	44.1		><							CO 00.3m	-	<del> </del>	-							
	2 -		><		•	1				Eastly broken by hammer blow							ļ			-2
	1		1																	3
	3	· : • .	\ \ \ \				а				တ	_	_							
1.	4 -	i .	( )		- n					72.2-72.8m	Luad	7.8	5.4							4
			1		Leg C					Course lapilli TUFF Broken by hammer blow	-			1						} } !
	5		X		le i	1				Sandy lam at 75m, at 10' from 76,0m, to 77,25m										6
			><		Purp) 1sh						L		_		-					6
	6 -		><		l a				1	Calcit net dense from 77.3m to 77.8m Lapilii TUFF like brecis										بيليير
	7 -		><																	7
			><								10.	_								1
	8 -		5							Small spot (phonocryst?)	1 5	4								السيا
1					ļ						-   -	:								9
	9 -									10cm andy inmine at 78.5m Lamina ay 20' at 79.5m										الملمد
105.70	80	L		AND THE REAL PROPERTY.	<u></u>	4		<u> </u>	<u> </u>	> ormor's nate 4	Щ.	1	<u> </u>	١	<u>l</u>	_		L	L	Fao
			111	KN:K	1	- [		,1	1645	kJ. 2 leubetliski, 3 lplosel, 4 lfreementi, 5 lgreini .					드ㅏ	IJL.	JL	- 4	₽	

	e Kon				PROJE(			• •	<u> </u>	HOLI			SK		·			SHEE	<u> 75 o</u>	(5)
				No.4 Da	insi te	<del>}</del> _				OPTH OF HOLE 100.0		_6	· - · .	COMMENCE	D _	1-	1-19	994		
ELEVAT	'ION .	265	7				0	<u> </u>	. 01	RECTION OF HOLE 90		<u>:</u>		COMPLETE	D _	25	-1-	1994		<u>`</u>
COORDI	NATE	X:E	69213	2		· ·			, CO	RE RECOVERY 99.7		1	• :	DRILLED I	BY _		1	<u> </u>		
		Y:N	<u> 17151</u>	22					DI	HILLING MACHINE KT-100				LOCGED B	Υ -					
z		¥		-		2. 4			0858	RVATION OF CORE		T	EST	NG	Γ. Ι		3	æ		
ELEVATION	DEPTH	ROCK NAME	9 0	CORE	<b>5</b>	÷.,	SS	3#E	×S		ě	×	J	DEPTH	BIT TYPE	CASING	CEMENTATION	AN A	G.W.L (Opt.H)	ОЕРТН
ELE	ă	ROC	- ا	3 32	00.00	WEATHER-	3	SPAC	FOCK	DESCRIPTION	LUGEON	Palex	•	RESULT	됾	CA	3	22	(Det.H)	8
	80m			0 - 100-		-	-				<del>                                     </del>	Kef	/cm				3	X		80m
185.70			汉	HHHH							H	Ť								
			×					·		Not SHALE, becouse of existance of		٠.		1 111						F .
·	,									iapilil TUFF and lack of SANDSTONE bade										1
	2 -																			
	* ]		Ж								_									2
	3 -		X		Leg d				. ]		o	8.16	99							
					1				ij		Lung	8	2							3
:			><		purplish		3									*				
	,		><		15					Coarse and dark below \$5m							. 1			
	5		><		] ~	2		2	a	Caloite vain						٠.				
			1							and small lane									. :	
	8					-														6
	}		><							•							1			<u>.                                      </u>
, ,	7		×																	5,
			><								_									E
	8		><				2			Fine TUFF	Lu*2.	9.69	13							8
:					grey		•			Small grass spot (imm) thin culoits vain	1	æ	7	1.1						t. L
:	9 -		><																	9
			汉		- G	2	2		1						- 4					
	90 -	Tuff	×		greenish	1	3	4	ď	Cracks stained brown										90
			<b>)</b>	3	"	а	3		-	Clay film	Н				-					
	1 7			TÎ						from 90.5m to 90.8m		i				·				1
			×		[dd	2		3		TUFF										
	2 -	ŀ	><		ļ					Crack stained	2.13	10.06	98					:		2
	3 -		><		85.0						Lu=2.13	10	٦.				:			[
				<b>X</b>		2				From 91.6m to 91.8m Lapilii TUFF										
	4	-	><		}	~				From 92.4m to 93.4m										4
			><	## III	ple	1		2		greenish sandy TUFF	ļ					: -		. :		
	5 -		×		purp1	3				From 93.4m to 93.7m									-	5
			\ /							greenish sandy TUFF			.		.					
	6				ļ		2	'	a		<b> </b>		ļ.,							6
			><		u La					Fine TVFF										1
	7 -		><		3			3		Fow oracks stained	ŀ						-			7
			><							Limitrated at 25'	95	9	78	, ,		.	.			
	8				od d	2					Lu=0.	11.26	8.7							8
			( )		ļ						1									<u> </u>
	9		×		8rn					White spot at 99.9m						:-				9
165.70	100		×		ppl			2		Coerse TUFF-Lapilli TUFF										100
	.,		•	7	1	1	T	ł	المساوا	> driller's note 4 . 2 (such a tight), 3 (pieces), d Hypemanti, ill (grains)					₽	) 	)	س.		
	:			N E	-cere les	1 14 1		ther d	-5 tee	<i>1</i> 0		:. :		_					LOPMENT	CO., LTD.

. <u>S</u>	e Kon	<u>Riv</u>	er Ba	<u>ısin</u>	<u>F</u>	ROJE(	<u>T</u>				KOLE	: No		SK	-2			( 5	HEE	T 1 0	3)
LOCATI	ON .	Se	Kong	No.4	Da	<u>msit</u>	<u>.</u>			01	EPTH OF HOLE 60.0		1		COMMENCE	) _	17	-12-	199	3	
ELEVAT	ION	146	.4					5	<b>.</b>	01	IRECTION OF HOLE 90				COMPLETE	)	30	-12-	199	4	,
COORDI	NATE	X:E	69211	2 .		:			Ξ.	CC	ORE RECOVERY 92.8		%		DRILLED 1	3Y -		ong			
	•		17155						_	DI	RILLING MACHINE KT-100	-		-	LOGGED B'			shi			
. [7.7]						1					ERVATION OF CORE	T	T	EST		· _					
ELEVATION	ОЕРТН	ROCK NAME	100	CORE	RECOVERY	COLOR	WEATHER-	HARD- NESS				LUGEON	Panex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L. (Opt.H)	рерти
	0 m			0 + 1	00%								Kgf	/cm					×		Om
146.40	5 5 m	Topsol 1	Δ Δ Δ								SOIL with angular grave)							-		3m	- 2
	4 ~	ŧ	Δ	, i											٠.		1			(Final)	3
	5	86891	V			blk grovgy	3	3	3	ь	With Irregular shale lens Crack stained Easily broken by hummer										5
	6	t Sh	V						2		Sandy SHALE  Black round spot([mm])										6
	7 -	Basalt	V   V			grnxgr ey		3	."		Broken along hair crucks Sandy SHALE Easily broken by hands	Lu=1.8	5.32	3.32	7.20m #6⊭100						8
	9	Shale				black	2	3 1 4	3		Sheared Some portion easily broken by fingers	Ϋ́	'S	е							10
	2	Sandstone				d.grey		2		a	SANDSTONE with lamina  No core from 12.5m to 12.8m	1=1.75	25								2
	3 -					A G. 65.	2	2	3		White spot	Lue	5.2							-	3
	-	ő	$\ \ $			bk.		4	5		striation, luster No core from 14.0m to 14.6m										[
	6 -	٥				d.grey	2	3	2 1 3		m.g.SANDSTONE and SHALE SANDSTONE is hard but SHALE is easily broken		1								6 6 6
	8 -	Sandstone/shal				d.8y	2	3 1 4	1	1,	No core from 15.85m to 16.1m, from 16.4m to 17.4m, from 18.3m to 18.5m	Lu=2.5	7.8	5.3	-						ىدادىدىدادىدىدىدىدىدىدىدىدىدىدىدىدىدىدى
126.40	9 -	Se		1		3 0	2	3	4 1 5		Sheaced from 19.0m to 19.8m									1.45m	9 9 20
	· · ·		1	1/1	7	1	1	1	Ŧ	i falliol	r driller's pate 4 kJ. 2 faubetjakj, 3 ipiepe), 4 ffragment). 6 igraini					ΞF	2	)C	14	₽	
1.7			1.	M	Νľ	√ oers le			l there	# - 5 fe										ELOPMENT	CO., LTD.

			SIT				-			. No				<u></u>			HEE		[ .3 }
LOCATION         Se Kong No. 4 Damsite         DEPTH OF HOLE         60.0         m         COMMENCED         17-12-1993           ELEVATION         146.4         m         DIRECTION OF HOLE         90'         COMPLETED         30-12-1994           COORDINATE         X:E692112         CORE RECOVERY         92.8         X         DRILLED BY															<del></del> -				
															30	-12	199	4	<del></del>
COORDINATE					<del></del>	7.7	<u> </u>				1				1 4				<del>.</del>
· · · · · ·	Y:N	17155	12		-									Υ <u> </u>					
§ I	¥	5	. à	ļ	اند	- 1		OBSI	ERVATION OF CORE		7.	EST	NG	34	ی	TICH	<u> </u>		
ELEVATION	ROCK NAME	רס	CORE	COLOR	WEATHE	HARD.	CRACK	ROCK FYALLIATE	DESCRIPTION	LUGEON	Рмех	PC	DEPTH RESULT	3dil lia	CASING	CEMENTATION	DAILL WA	6.W.L. (Opt.H)	ОЕРТИ
20n		۸.	0 → 100	*	1						Kgf	/cel				·	×	7.	20m
1				A Grey	╡ '	2 .	_ 3	ь	Medium grained SANDSTONE with SHALE lamina Irregular durk lens 20cm across at 20.8m		,		20.78m #e=240 #1-159						1
2				5		-   -2	3	1	Hard sheared state from 21.0m to 21.3m	Lu=3	73	23						1	-2
3	•	• •			1	1	Э		No core from 21.85m to 22.3m	3	,	5						1.	3
4	Sandstone			b		3	- 1		Lemine at 20 Easily separate into iom pieces							٠,			-4
5 -		• •		5		, 2	3	1				7							-5
6		•				2 2	+	1	Sheared from 28.5m to 26.8m						, . 	V. -2 -2			6
7 -		• •				3	3	·	20.000 20.000						10 10 10 10		ŀ	1 . 45m (26.00m)	.7
8 -		 Tit		a 1 x		07-4	4		Shoured from 27.3m to 27.4m Sandy SHALE	Lu=7.7	7.75	1							- 8
9 -	rs.	Щ			+		+		m scaload SANDSTONE										9
30 -		•		gray	ŀ		3	·	with shale lamina									(30.00m)	-30
-		•			1	2			15cm black shale band at 40 at 30.3m, sheared										- 1
2 -		• •				,	4		32.2m to 33.2m shele dom. 10cm bleck clay at 32.4m lam at 50	9									- 2
3 -		•				3		-	Bottom surface trrogular	1.6-01	7.8	1				-		: :	- 3
- 0	Sandstone	•	1	grey		5			Downward coarsing from lam SHALE to f.m.g.Sm 10cm clay+brec at 34.4m										4
6 -	3	· ·		dark		.	4		SANDSTONE with irrogular shalo lamina										- c
7 -			B. C.				3			Lu=6.86	19	. 29						2,5m (3G,80m) 2,4m (17,40m)	7
8	سنميساسما									Lu	7	:							8
109.40 10	1											· 							40
				Ŋ			1 800	l tetio	Femor's vets 4 tl. 2 tacks tion: 3 lpinios). 4 Hrasmonti. B tgraini left)							_	<b>#</b>	OPLETIT	:

				asin							E No								T 3 o	<u> 3</u>
LOCATIO	-			No.4 D	amsi te	<u>e.</u>				PTH OF HOLE 60.0	·	n	-	COMMENCE	_					·
ELEVAT		146				;-		<u> </u>		RECTION OF HOLE 90'			•	COMPLETE	_		-12-			<del></del>
COORDI	NATE						<u> </u>						_	DRILLED I						
		Y:N.	17155	512	·					RILLING MACHINE KT-100				FOCCED B	r -					
ELEVATION	ОЕРТЯ	ROCK NAME	5 O 7	CORE	COLOR	WEATHER-	HARD- NESS	RACK	ALLIATION SE	RYATION OF CORE DESCRIPTION	LUGEON	P ac x	EST	OEPTH RESULT	BIT TYPE	CASING	CEMENTATION	ORNI WATER Return	8.W.L (Opt.H)	<b>БЕРТ</b>
	40m			0 - 100-	<del></del>	-	-		<u>.</u>		╁	Kgf	/cml				٥	*		40m
106.40	1	Shele			D.ec XOS			2		Sandy SHALE with sandstone lamina Lumino at 50										1
	2	Sa	•	A	9.67			s		Medium grained SANDSTONE with shale lamina		1	1	.*					2.5m (42.75m)	2
	3 4 5	Shale			black			3		SHALE With sandstone lamina Pylite lens at 43.7m Lumins at 60	~									3 4 5
	8 7	Sandatone			d.grey				:	Medium grained SANDSTONE	4.	76	9							6
	8						2			SHALE dominant with Sundstone inmine	[	7.7	5.26							3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	-				ی ا			2			-	<del>                                     </del>								F 
	2	Shale			dark grey/black	2		2		SANDSTONE from 49.25m to 49.7m 51.7m to 53.7m pure SHAL	Lung, 4	7.96		51.33m 8c-510 81-160						1 2 3 4
	4 - 5 -			,	*					Curbonneoous SIIALE with		-								ء علسسلسس
95.40	5 - 7 - 8 - 9	Sandstone			grey blk		2	2 3		Cartenaneous SHALE with sandstone lamine with Laster (graphyto?)  Modlum grained SANDSTONE Breedisted at 58.5m to 59.2m  Irregular carbonaceous shale lamina  inning at 70 at 56.1m 50 at 56.5m 30 at 59.3m	Lu=15.78	86.1-	PREPARE TO THE PROPERTY OF THE						2.6m	5 6 7 8 9 0

<b>GEOL</b>	OGIC	LOG	OF	DRILL	HOL	F

LOCATI	ON .				amsit		1.19	<del></del>	D)	EPTH OF HOLE 100.0				COMMENCE	D	27		SHEE 1994		<u> </u>
ELEVAT										IRECTION OF HOLE 90"			-	COMPLETE						
COORD I	NATE .	X:E	<u>69210</u>	2	<u> </u>				C	DRE RECOVERY 97.5		X		DRILLED	BY					: * -
		Y:N	17158	08	<u> 4, 1 -</u>			_	, Di	RILLING MACHINE KT-100				LOCCED B			hin			
8	_	ME	U	≿		1				RVATION OF CORE		Ť	EST	NG	<u></u>		ĕ	2		
ELEVATION	DEPTH	ROCK NAME	1 C O	CORE		WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Pmex	PC	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER Return	6.W.L (Opt.H)	DEPTH
244.20	Om		Δ	0 + 100	X	-	-	<u> </u>	-		$\vdash$	Kgf	/cel					*		Om
	بيكسيطينوا	Talus	Δ							TALUS deposits										-1
:	3		X X							Fire TUFF - impilii TUFF Fragmental core										QI
	3 4		×		lah grey	3	3	3		Crack stained  Rook inside stained In some portion										3
			×		t brownish	í	,	3	b	10cm thick tapitli TUFF			i		: <sup>1</sup>					- <b>4</b> -5
	ى بىلىيىدىدىدى		); );		11.85	4	4	4		At 30° Bt 7.0m										6
	ئ يىلىدۇملىن		×		рыхатеу					Fine TUFF, very hard and spark like chert 100m inplill TUFF										- 7
	8	Tuff	×			3	2	3		at 40° at 7.3m										-8
	:0 :0 :0 :10		×	3 3 3 3 3 3	y &rey					Sandy TUFF, white spot							- r			-9 -10
			×		pxgrey		3	4		Fine TUFF			į							- 1
	2 3		X X X		98 Strey	2	2	2	25	Sandy TUFF Solution along cracks but no calcareous (no Hol resolion)	Lu=3.83	5.55	3.55							-2
:	4 2		X X V	7						Fine TUPF Solution along cracks but not calcareous		1. 2.							4m (14.86m)	- 4 - 5
	o Construction	18	X X X		Drown	3	2	2		TUFF BRECCIA Pale brown frugment and pale matrix Pale grey matrix between 15.7m and 16.5m										- G
	2	Tuff breces	A A		118ht		3	3		Brown gracks	Lu=5.2	5.58	3.58							- 7 - 8
224,20	9 1		X X																	- y 20
						,	lfroot	ther d	istiek - 5 ist	> drifter's rosts of 1.2 Industrials. 3 Infrance: 4 Arcogment() 5 Igraph HTU 						0			OPMENT C	20. LTD.

Se	Kong	Rive	er Ba	sin l	PROJE	CT		:	. ·			HOLE	No.		SK	-3			( :	SHEE	T 2 01	f 5 }
LOCATION	}	Se I	Kong	No.4 Da	asit	e e		_	. DI	EPTH OF HOLE	100.0			D	. (	COMMENCE	ED _	27	-1-	1994		
ELEVATIO	N _	244	.2	<u> </u>			1		D)	RECTION OF HOLE	90'				. (	COMPLETI	D _	9-	2-19	994		
COORDINA	TE _	X ; E	69210	)2					CC	ORE RECOVERY	97.5			X		DRILLED	BY _					
	-	Y:N	17158	808					DI	RILLING MACHINE	KT-100		_		. !	LOGGED E	37					
8		YE.		≿					0858	RVATION OF CORE				Ţ	EST	NG	س		ğ	۳,		
ELEVATION	ОЕРТИ	ROCK NAME	) O T	CORE	COLOR	WEATHER-	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIP	PTION		LUGEON	Paex	РС	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER Return	6.W.L (Dpt.H)	DEPTH
224.20	20 <b>m</b>		ν,	0 → 100 <sub>9</sub>								·		Kgf	/cmi	٠,				×		20m
	3	Tb	X		t brown	3	2	2		Some as above												-1
	2 11111111	•	メメ		Might		3	3					Lu=9.8	8.07								-2
	3 4		×		<b>%</b>													a.				3
	i i		×		grey	.2	2	2		l L		]	_	_								
	9 6 Maniani		X X										1	!_								5
	بستنسباس		×		brown	3	2	2		2-6cm Quartz at 26.8m	vein		83	4								7
	8		>< ><		11ght		3	3					Lu=0.83	9.17	1	-					- :	8
	ي مارسين		×																			-9
	1 30 4 4 1 1 1 1	Tuff	>< ><						A													30
	ى بىنلىيىلىدىلىدى		×							Few cracks st	ained		v.	N								2
	3.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		grey	2	2	2		net of veins	and a		Lu=0.	9.12	1							3
	4 .	٠.	×																			4
	5 6		>< ><																		36.2m	5
	7		×					,					· .				-				(Final)	7
	8		×		1.br	3	2 - 3	3					Lu=1.7	8.24								8
	9		×		groy 1	s	2	2								٠.						9
201.20	40	L	ككل	DARWIII	Щ	3	3	3		e driller is delte «	· · · · · ·					<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	L	40
		, 133 437			4	- T	l Hree	-	7 ~ 6 to	ci. 2 Immerijaki. 3 Ipincel. 4 Hra	umanti 6 Igraini			٠	٠.		EF				ELOPMENT	CO., LTD.

age

Se	Konj	Riv	er B	asin l	PROJE	CT ·							Sk	-3			13	SHEE	Т 3 о	f 5
LOCATIO	•			No.4 Da	asit	e		<u>.                                    </u>		EPTH OF HOLE 100.0			-	COMMENCE	D	27	-]-	1994		
ELEVATI		244					1	<u> </u>		IRECTION OF HOLE 90°			_	COMPLETE	- · · -	9-	2-1	994		
COORDIN					·	<u>.</u>				ORE RECOVERY 97.5			_	DRILLED E			2.3			
	•		17158	T				<u> </u>		RILLING MACHINE KT-100					Y _		<u> </u>			
ELEVATION	рертн	ROCK NAME	LOG	CORE	COLOR	WEATHER-	HARD-	1	T 2	RVATION OF CORE  DESCRIPTION	KOBON	7	EST	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	6.W.L (Dpt.H)	ОЕРТН
204.20	40m		~	0 → 100-X								Kø	/cal					×		40m
	1111		X							Sandy TUFF		1	1							,
	بالمستقمة	:	分次							Crack stained from 40.1m to 41.7m, at 45.0m	-		<u> </u>						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	S artumenta		><							Calcite vein										2
	3		) ( ) (								Lu=1.	8.26	***************************************							Э
	4	Tuff	X																	4
	9		×							Red voin from 45.0m to 47.5m	-	_	-			:				-6
	9		が X							Somo cracka atutned										-6
	2		×							25 lamino at 48.5m	2									7
	8 Innihita		X								Lu=3.	8.9	I,							8
	8		1.							Lapilli TUFF or coarse TUFF	-									-9
-	20 4		V		grey	2	2	2	t.	Red round fragmenyt of										50
	المسلسد		V							1-2cm impilli										1
	2 1		\.							White esterio apot of calcite (RC) resotion)	}.									- 2
	3									or carcine (MC) resction)	Lu=0.4	8.43	5.83							э .
	د ساسساس	Tuff	14		:															- 4
	2	Lap1111	\ \\							Somo ornoka stalnad										- 5
	e matuurahn	7	·																	- 6
	2										Φ									
	8		,,								Lu=2	8.27	ļ							7
	8 1																			- 8 -
184.20	60		`.'										· .				.			- 9
					991 e las	-	Ifr our	ner#	~ 5 tee	s driller's note « ; 2 invention; 3 ipineel, 4 transmett, 6 igraed eti noodi		<del>- 1</del>						40	OPNENT (	60

S	e Kong	Rive	er Ba	sin 1	PROJE	CT ·					HOLE	No.	·	SK	-3			( 5	HEE	<u> 4 01</u>	[ 5 ]
LOCATI	ON _	Se l	Kong	No.4 Da	usit	e		<u>.</u>			100.0		<b>6</b>	•	COMMENCE	_			994	·	
ELEVAT	ION	244	. 2					<u>-</u>			90°				COMPLETE	-					
COORDI	NATE _			2		<u> </u>	·	<del></del> .			97.5		*		DRILLED		·				<u> </u>
		Y:N	17158	08				_		ILLING MACHINE	KT-100			<del></del>	LOGGED B	Y					
NO.	·	AME			-		1	(5	BSE	RVATION OF CORE		_		EST	NG	E E	2	HOLL	2 E		<b>.</b>
ELEVATION	ОЕРТН	ROCK NAME	<u>0</u>	CORE	COLOR	WEATHER-	HARD-	ACK PACK	ΧÄ	DESCRIPTION	ON	LUCEON	Ртех	D.	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER Return	G.W.L (Dpt.H)	DEPTH
\ <u> </u>	20.	- <del>-</del>		0 = 100 <sub>4</sub>	Щ.	¥	Ξ.	88	EYAL				Kgf			-		끙	원 %		60m
184.20	60m	:		ereni	1	+	<del> </del>	-					- N	, cm					~		00111
	4		1.1							Lapilli TUFF or coarse TUFF											_
	ائرا		٠.							·	÷										[
	2 1		5.7																		2
	4					1						Lu=0.87	10.06	1							
	3 1		``			ľ						Į, re	10								3
	1		XZ.		-																1
	4 -										}										4
	- 1		1.7																		- 5
	5					ŀ							-								
	6-	•	12																		6
	, ul	Tuff	17				-														
	7	Lapilli	'		grey			5	•			œ	60	m							7
		Lapi	1									Lu=0.8	10.38	7.88							due
· .	8-									·		J		. !		'					8
	9		1.				:			Few stained cra	- ales								ļ		9
1 1	1		١							rew statned tan	UKS										
	70 -		``			2	2		a			· i	-	-!-					l		70
			1				'														
	1																				- L
			14					.									ľ				-2
	2				ŀ					73.4m to 73.6m	purplo	6.8	7.4	24							.
	3		14							Sandy lamina at	. 60	Lu=6	ò	8.2							3
										cut by calcite	vein at 50	Ħ					1				
	4-	<u> </u>	X			1	.	Г		Fine TUFF	t t l ne								ŀ		4
			<b> </b> ><		د ا		ľ			Calcite vein cu the ismins at 7 Bluish spot(not	3,8m										
	5		×		Brey			2		HC1 resetion										-	5
	6		IJ		E			5	:	Lined enfeite s	ipot at 30'										6
					purplish			з		No stained crac	:kea					-					
	7	1011	X		ة ا			1.		bolow 76m Roddish voin											7
			1			1				From 75mito 79m	'	Lu=3.8	. 35	7						-	- 1
	8 -		><		-							Ľ	10.	8							8
			><		grey			2								:					Ē .
	9 -		×		.80			1	-	Sandy below 77.	7m '					.		ļ			(2) استا
164.2	1 80	1	بل		Щ	1	1	1	<u></u>	L			L.	<u>L_</u>	L.:,	<u>L</u>	<u>L</u>	<u> </u>			80
		1			73	1	1	.1	í tetlo	- 6 d'Aver's note 4 k1, 2 laubatiek). 3 (piece), 4 Hraqm	esti 5 igraini					EF		10		•	

Se N	ong R	ver I	Basin I	PROJE	CT		<u> </u>	:	НС	LE N	),	Sk	-3			13	HEE	T 5 o	[ 5 ]
LOCATION	<u>S</u>	Konj	No.4 Da	asi t	e			DI	EPTH OF HOLE 100.0			<u>.</u> .: :	COMMENCE	) _	27	-1-1	994	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ELEVATION	V	14.2				1	<u></u>	D	RECTION OF HOLE 90			_	COMPLETE	) _	9-	2-19	994		
COORDINAT	ΓE <u>χ</u> :	E6921	102					cc	DRE RECOVERY 97.5		*		DRILLED E	3ү .		` <u>-</u>			
	Y:	N1715	808					DF	RILLING MACHINE KT-100			-	LOGGED BY						
	<u> </u>	T	T ,	П		•	- 1	OBSE	RVATION OF CORE	T	T	EST	ING			ž	œ		
ELEVATION	ROCK NAME	5 O	CORE	COLOR	WEATHER	HARD- Ness	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	X TEL		DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATE Return	8.W.L (Opt.H)	ОЕРТН
164.20	Om		0 = 100 <sub>2</sub>								Kgr	/cel					×		80#
	rles dandare Torr	X X X		grey		2	2		Sandy TUFF										1
	3 11	><		1.001		3	3		Laminated fine TUFF	Lu=2.7	10.61	9.1							2
	مىلىسىلىسىنى سالىسىلىسىنى	3.7																	-4
	9 2 2	N.4							Lapilli TUFF and coree grained TUFF with veins of calcite										- 5 - 6
	dundundun Tutt									Lu=10.1	12.17	7.6							7
	o o o distribution	.,		grey			2		Broken vein at 91.7m Upward fining			5 - 1 -							-8 -9
	4			5					minor fault out a red vein			1							
f e	0 1 5 c				.3	2		a		U*2,8	11.4								90
	9 4 5	>:					2		Fine TUFF Black shale band below 95.8m	1									-3 -4 -5
	2 9 matematerna Tuff	١,,		grey					Black shale intrude into grey tuff and core appeared breccisted	8								a .	-6 -7
	8 8 danakarakarahana	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		grey/dark			3		This hole has fow purple layers which are dominan in SK-1	C==0	11.2								Đ.
144.20 10	00 1								End of Hole 100.0m									n i i	-
	,	-		3	1	1	+	i totion	5 d'Mor's nota « U. 2 indistinti S triscol. A livespenti, S tyraini	:	•		F	P			ـــــــــــــــــــــــــــــــــــــ	<del></del>	נטעג
			· IVA · NA	~-•••• In '-'		l Hreel	Bayr 6	8 - 5 to	efti posedi	- 1		11						LOPMENT (	YO ITE

\$	e Konc	Riv	er Ba	sio	PROJE	CT.					BOL	E No		XX	-1			_[5	e e e	<u>t lo</u>	f 5 }
LOCATI	ON _	Xe-	Kamar	n Da∎s	ite				DE	O.001 3JOH OF BOLE			A		COMMENCE	D	5-	3-19	194		
ELEVAT	ION	266	.4				ļ	<u></u>	DI	RECTION OF HOLE 90'				_	COMPLETE	D _	15	-3-1	994		
COORDI	NATE	X:E	73218	30	4				CC	RE RECOVERY 94.4			1	_	DRILLED	BY _	Th	ongs	ay		
	_	Y : N	16548	508					DF	RILLING MACHINE KT-10	0				LOGGED B	Y	Но	shin	10		
- 2		ω.	1	<u> </u>					0856	RVATION OF CORE		T ·	Ť	EST	ING		_	8	œ		
ELEVATION	ОЕРТН	ROCK NAME	1 0 C	CORE	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION		LUGEON	¥#Ed	P <sub>C</sub>	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER RETURN	G.W.L (Opt.H)	DEPTH
266.40	Om			0 + 100	9%							ļ	Kgi	/cnl					×		Om
200.40	4		Δ		-						* *										
	1		Δ							Talus deposit											Ē, ]
	341		Δ							red, grey, clayey											
	2 -									wethered SANDSTONE					İ						2
	. 1									frægments ·											£
	3 1		Δ		$\parallel \parallel$																-3
	, thur		Δ		87ey																
	. 4 1		Δ		1 48																4
	1	e tus	Δ		reddl															4 . 8m	5
	2	F	l		°															(Final)	
	6		Δ																		В
	J 1		Δ		-					:											
	7.5		Δ																		7
			Δ												j						
	8 -		l .						1												8
	111		Δ.																		
	9 -		Δ																		9
	1	-	П	-	1	+	-	-	-			┧.									
	10-				redxgrey					Strongly wethered S	HALE										-10
	1				red					No sandstone fragmen from 9.6m to 11.0m	nt										Ε, Ι
	1 1 1				[[]	5	5	. 5	1												,
					xgrey																- 2
	2 -											1.									<u>[</u>
	3	,			<u>-</u>	$\vdash$	Ŀ			Pale grev SANDSTONE											3
						4	4	4		from 12.9m to 13.5m				-							<u> </u>
	4									No core											4
		. <u>v</u>					'			from 13.5m to 15.4m											<u> </u>
	6 -	Shale							C	·											5
					L.b	3~4	3~4	1		Sheared and	-				}						
	6 -									reconsolidated from 15.4m to 15.7m											6
	-				ة ا	+	3	<del>  -</del>	1	Core Jose from 15.7m Lo 16.5m		-									+
•	7 -				- <u>-</u> -	1	1	1	1	Stained cracks											7
						1														÷	1 8
	8				∭	-	1	_	1.	No core from 17.2m to 18.3m			.								, a
					∭ <del>-</del>	1	3-4	14	1 :												9
	9 -									No core from 18.7m to 19.7m			ľ								
248.40	20	<u> </u>	Ш	ЩЩ		4	3~4	4	1_			1	<u></u>		<u> </u>	<u></u>	L	<u> </u>		L;	20
		4.1	. 19	10		1	1		l istici	<ul> <li>drillez's note c</li> <li>2 (substick), 3 (piece), 4 (fragment), 5 (piece)</li> </ul>	rain)				_	<u> </u>					
er et ye	1	- 1	35	in the second	1.				F - 5 fg	(PE)					E	LECTR	IIC PI	OWER	DEV	ELOPMENT	CO., LTD.

Se Kor	q Riv	er Ba	sip	P	ROJE(	1				<u> </u>	HOL	E No	•	XX			47		BEE	2 01	5)
LOCATION	Ie.	Kanan	Da	usit	e				DE	PTR OF BOLE	100.0		1		COMMENCE	D _	5-	3-19	94		<u> 1944                                  </u>
ELEVATION	266	. 4		1.7	1111			<u> </u>	DI	RECTION OF HOLE	90*				COMPLETE	D _	15	-3-1	994		·
COORDINATE	I:E	73218	0	100	1 11				CO	RE RECOVERY	94.4		1		DRILLED 1	BY _				100	<u> 2 2 2 </u>
en en en en en en en en en en en en en e	Y : N	16546	08						DR	ILLING MACEINE	KT-100				LOGGED BY	Y _					<u> </u>
z	Щ.		<u> </u>	>-		4 4		(	BSE	RVATION OF CORE		1:	T	EST	ING			ğ	<b>X</b>		
ELEVATION DEPTH	ROCK NAME	907	CORE	RECOVERY	COLOR	WEATHER- ING	HARD- NESS	CRACK SPACING	ROCK EYALUATION	DESCRIP	TION	LUGEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L (Opt.H)	DEPTH
20n			0 →	1000	<del> </del>		3					_	Kgf	/c#					*		20m
246.40		• . •			<u> </u>	4	å.	.4	٥									,			
2-					greenish gray	3	3	3	Ф	Alternation of greenish grey and purplish i medium grained at 80' to 90'	rcey										2
	1	٠.٠				. :				•										: .	
5			7.55			2				24.3-24.7m pui	rple bend						:				-5
6	1					'															-6
7	descalareda				grey	3								-							7
9	enternationalis				purp] ish		2	2		Stained oracks below 28m Culcite valn, resotion		Lu=0.64	5.43	1							-8
30	Sandstone						,		a							: : :				6 3am	-30
2	باعينجامهمايين			N. S.						A boundary be purple comrse SANDSTONE and purple medium SANDSTONE con- from 31.7m to	grained grained tinues									5.38m (30.90m)	-1
3	باستيانسيانسا				grey.	2	3	3		Cuialte vain	. 1	Lu=0.32	7.84	ı							3
5	andmeter	 	'n							35.0-37.0m											-5
6	طنينياوسياويونياه		***		grnxgrey					Pale green fil with gravel a fragment supp altered zone sheared zone	nd red pred to be					-					5
9	بسياميناس باستياسية				purplish grey		3	3	b	Sheared and recommolidate at 60' to 70' from 37.0m to Easily broken fragments	,11ke_mhist 40.0m	Lu=0.42	8.14	5.64						18.7m 138.40ml	B 9
			1	12	7	1			1 retice	r driller is note 4 k), 2 leubotick), 3 letecol, d tira ofti	emontil 5 lerein:		4	 					4	109MCUT	

\$	e Kond	Riv	<u>er Ba</u>	sio l	PROJE	CT_		٠.		BOLI	No	•	XX	-1			( 5	BEE	1 3 of	[ 5 ]
LOCATI	ON ,	Ĭe.	Kaman	Dansi	te				DS	PTE OF BOLE		A	. 1	COMMENCE	D _	5-	3-19	94		
ELEVAT	ION	266	.4						DI	RECTION OF BOLE 90'			. 1	COMPLETE	D _	15	- 3-1	994		
COORDI	BTAN	X:E	73218	0					CC	RE RECOVERY 94.4		8		DRILLED	BY _	_				
	•		16546							ILLING NACHINE KT-100				LOGGED B						
					T :					RVATION OF CORE	<u> </u>	Ţ	EST				ž	~		
ELEYATION	DEP TH	ROCK NAME	L 0 C	CORE	COLOR	WEATHER-	HARD- NESS		ROCK EVALUATION	DESCRIPTION	LUGEDM	Ржвх	D d	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER Return	<u>G.W.L</u> (Dpt.H)	ОЕРТН
202 40	40m			0 = 100							<u> </u>	Kgf	/orl					*		40m
226.40	a so so so so so so so so so so so so so							2		Purplish coerse grained SANDSTONE  0.5cm rock fragments included	Lu*0, 68	0.21								2 3
	8 9	Sandatone			purplish grey	2	2	3		No crack stained below 42.0m  Core lows from 48.9m to 49.5m	Lu=0.46	7.86	5.36					The state of the s		8 9 50
	3				0d			3			Lu=1,36	8.18				CITY OF THE PARTY				3
	6 - 8 -	Conglomerate	0 0 0 0 0 0 0					3		CONGLOMERATE upper surface traced from 52.5m to 53.5m 2-3cm gravel alload, while gravel rich, sundy mutrix  53.4-53.8m sempled for laboratory tests  Coerse grained SANDSTONE from 53.7m to 54.5m and from 53.7m to 54.5m and from 59.2m	. 1≈v.l	8.28	, the same of							6 7 8 9
208.40	60	<u> </u>	_ ما	ШШ	<u> </u>	1	<u> </u>	<u> </u>	<u> </u>	> driller a nete 4					<u> </u>					£ 60.
	1.				1				l in tick V = 6 Io	1, 2 leukatick), 3 lploset, 4 lfragment). S lgraini -				_				<b>]</b> (#	LUBRENT	00 (70

Se	Kong	Riv	er Ba	sin i	ROJE	<u>CT</u>	<del></del>		<u> </u>	<u>HO</u>	LE N	١.	XX	-1		<u></u>	Ц	SBEE	1 40	f 5)
LOCATION	١	Ϊe	Kaman	Damsi	e				D	EPTH OF BOLE 100.0			-	COMMENCE	D	5-	3-1	994	·	<u> </u>
ELEVATIO	)N _	266	.1		<u>,</u>	٠.	- 1	_	D	IRECTION OF BOLE 90			_	COMPLETE	Ď_	15	- 3-	1994		- , ; .
COORDINA	TE _	X:E	73218	0	4.5	† -			C	ORE RECOVERY 94.4	<u>.</u> :	1	_ `	DRILLED	BY					
		Y N	16546	08					ĐI	RILLING MACHINE KT-100			<del>-</del> -	LOGGED B	Y .	. ,:				
	Ť	ų		<u> </u>		- 1		. 1	0888	ERVATION OF CORE	T	. 7	EST	ING	<u> </u>		ā	œ		
ELEYATION	DEPTH	ROCK NAME	١٥ ٥	CORE	COLOR	WEATHER-	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	ORILL WATER RETURN	G.W.L (Dpt.H)	ОЕРТН
206.40	60m		0	0 → 100 y	ļ	₋	_	<u> </u>	-		1	Kgt	/em			- 1- 1		×		60m
	os os	Conglomerate								CONGLOMERATE Gravel up to 5cm across 20cm gravel at 61.5m	Lu=1.11	8.44	5.94							1 2 3
	o A turnian							2		Purple medium to coarse grained SANDSTONE										-5
7	8 2 8 0 0 Outroughendunghendunghendung				burpilsh grey	2	2	3	4	70.4-72.5m granuia CONGLOMERATE	Lu=0.97	u.s.	1							6 7 9
	and a 4 to	Sandstone			grod					Lamina at 80° at 73.2m	8 (207)	8.47	5.97							3 4
186,40	6 2 9 9 O C 2 S C O							Э		Gravel at 76.6m  Som purplish gray sundstone  Som shale gravel at 77.7m  Purple SHALE from 79.7m to 79.8m	Lu=0.76	9.33	6.83	The second secon						-6 -7 -8
				N K	1	1	1	1	le tick	> driller's nets < I, 2 (substick). 3 (piece). 4 (fragment). 5 (grain).				F	P			i de		
				M K	Ý.	1	٠,	inera	1 - 5 (+)	of the									ABHEUT (	

Se	Kong	Riv	er Ba	isin {	PROJE	CT				KOL	E No		IK	-1				3382	T 50	f 5 )
LOCATIO	X	le	Kaman	Damsit					D	EPTR OF HOLE 100.0		Ð		СОКНЕКСЕ	D _	5-	3-19	994		
ELEVATIO	ON _	266	. (					_	D	IRECTION OF BOLE 90.			-	COMPLETS	0 _	15	3-	1994		· ·
COORDINA	ATE _	3:2	73218			,		_		ORE RECOVERY 94.4		ţ	-	DRILLED I	BY _					
		<u> </u>	16546	08	-				DI	RILLING NACHINE KT-100			-	LOGGED BY	Y _					
₫ .		3MA	U	<u> </u>	<u> </u>	1	1			RYATION OF CORE	ļ	ĭ	EST	NG	ρE	ç	HOH	E ×		<u>=</u>
ELEVATION	DEP1H	ROCK NAME	0 7	CORE	COLOR	WEATHER-	HARD- NESS	SPACIN	ROCK EVALUATION	DESCRIPTION	LUGEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER RETURN	G.W.L. (Opt.H)	DEPTH
	80m			0 - 100-								Kgi	/cml					%		80m
186.40	بسلسيلس							3		Course grained SANDSTONE										1
	O O A							2 1		5cm purple siltatone gravel at 53.3m	Lv=1.09	8.59	6.09							3
	8 1			<b>Д</b>							-									- 5
	analana										$\vdash$	-				.				
	B & S B O O O O O O O O O O O O O O O O O O	Sandstone			purplish grey	TATAL TO THE TATAL THE TAT	2	2.13	n	Sitcken side on some crack surfaces Purple gray medium grained SANDSTONE	1.0±0,8	0,84			to the control of the					9 90
		• •			na					HC1 reaction in sundstone matrix										- 2
	ي د							3		Thick colcite band from 90,4m to 90.7m	1,1120,53	6.07								3
	c 2 Sundanas									•									'	- 5
	، م <del>ب</del>																			- 6
	o o							2			41 O=4V4.	6.18	5.58							
1376, 40 1	9 1									End of Hole 100 Um										100
		-			3	1	1		(stic)   (5.18	o diller's nate c c) 2 subblicks 3 (piece) diffragments 6 (grain) ALL				E	ΞF	) [	C	4	•	

S	e Konr	Riv	er Ba	sin	PROJE	CT	<u> </u>				<del></del>	HOLE	No.			.2				HEE		3 1
LOCATIO	ON	Xe.	Kamai	Damsi	te					PTH OF HOLE	60.0	<u></u>	<u>.</u>	0_	(	COMMENCE	<b>D</b>					
ELEVAT	10N	132	.7					_	DI	RECTION OF HOLE	<del></del>			<u>.                                    </u>	(	COMPLETI	D _	5-	3-19	94	<u></u>	
COORDII	NATE	X:E	73227	9					CO	re recovery	98.3			*	Ï	ORILLED	BY _					
		Y:N	16548	26				_	DR	ILLING MACHINE	D-900	- 2	-	_	. 1	OCCED I	3Y _		<u>shi</u> r	10		
ž		Z.	1 1	· .						RVATION OF CORE	an San and A			TE	STI	NG	w.		ě	æ_		
ELEVATION	DEPTH	ROCK NAME	707	CORE	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK Evaluator	DESCRIP	PTION		LUGEON	Pmex	ď	DEPTH RESULT	BIT TYPE	CASING	CEMENTA	DRILL WATER Return	G.W.L (Opt.H)	DEPTH
10. 34	Om			0 ÷ 100			ş							Kef/	cal					X		Om
132.70			• •					3														- 1
	م بىلىيىلىي									Granule CONGL medium graine	OMERATE d SANDSTO	to ONE		٠		. A						-2
	3							2			*											3
	4		• •	******		2	2	,														4
	5 ·				sh grey			3		Core lows from 5.95m to from 7.3m to from 7.6m to from 9.0m to from 12.3m to	7.4m. 7.7m. 9.2m.										5.3m (Final)	5
	7 -				purp11sh					Bedding plane at 7,9m									- 27			.7
	8 -					3	а			Some portion with rough co Crack stained	oro murim I	oe.										8
	9	Sandstone						2	a	Medium graine immina from 8	d SANDST 3.5m to 9	ONE .Om										-10
	ι -	Sand						3														1
-	2 -					-	-	3		No core from 12.3m to	) 1,2.7m											2
	3 -					2	2 1 3	2														3
	5	7			ey.		-			Madium grains	od SVNDS.	FONE.										5
	£ .	مستستطيسية			urplish gr	- 1																6
	8	متعطفهمماعيهن	.		ind	2	2	2		Few ceneks s	talnud		Lu=0.52	5.72	3.72							8
	9	لمتعباليهمالية								19.2-19.8m so for laborato	umpled ry testa											g
112.70	ol 20	3		_1231UL - 121	₩		1	1		o driller'i nete «			<u> </u>	ــــا	<del></del>	<del> </del>	 نو سے	<u> </u>		<u>ا</u> د ا چ	<u> </u>	<u>. 20</u>
				M	1/2	: -	ł	l Pres	ltetie ren⊸ibil	oki, 2 inçdețieki, 3 iploge), 4 ii apriți	regnenti, 6 lgrai	<b>*</b>	-	: 1				<del></del>		3 (	D DOMEST	

		e Kong				PROJEC			_			E No	_	XK					SHEE		[ 3 ]
	LOCATI				Damsi	e	<del></del>		_				Ē	-	COMMENCE	_			1994		
	ELEVAT	-	132		<del></del>		<u>.                                    </u>		<u></u>		RECTION OF HOLE 90'		_		COMPLETE	_	5-	<u> 3-19</u>	194		
	COORDI	_				<u></u>			_		ORE RECOVERY 98.3		*		DRILLED :	-				<del></del>	
			<u> </u>	16548	26				_		RILLING MACHINE				LOGGED B	Υ					
	ě	<b>-</b>	<b>AME</b>	C3	≥	<u> </u>	L	-		DBSE	ERVATION OF CORE	+_	T	EST	ING	ÞΕ	ی	TION	E.E.		. 🛖
	ELEVATION	DEPTH	ROCK NAME	1 0	CORE	CO1.08	YEATHER NG	HARD- NESS	SPACK	ROCK EYALUATIC	DESCRIPTION	LUGEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	ORILL WATER Return	G.W.L. (Dpt.H)	DEPTH
		20m			0 -> 100-	<del></del>							Kgr	/cm					*		20m
	112.70	4		• .																(20.10n)	-
	•	1 4		• •	21				2		Medium grained SANDSTONE										<b>-</b> 1
		44							ş		_										
		2 1			73				3			٩							,		2
				•			1				÷	Lu=3.59	5.65	.65							Ė
		3 -			<b>34</b>						•	13	w	ო							3
		7							2												Ē
İ		4 4									Crack stained at 24,2m										4
																					5
		9.1									Coarse grained SANDSTONE with granule			<u> </u>			-			5.5m (25.20m)	Ĕ
		8		· ·			ĺ														- 6
		1																			Ē
		7							2			. 3	96	58							7
		1							,			Lu=0.5	8.06	10		·					-
	2.1	8							3					-							8
								·	L												Ė
		9	ę.			grey year														5.4m	9
			, to	' '				_					1							5.4m (29.50m)	E 30
		30 1	Sandstone			120	2	2		a											[ ]
			ů,			purp! 1sh															<u>.</u>
		,				-															-
		2									Medium grained SANDSTONE	l			ļ						2
		1			翢						with granule	L=3.4}	8.26		,						t. Let
		- 3								1	Some cracks stained	13	60	1						•	3
		-							1.		between 32.7m and 35.6m										E
		4			<b>WIII</b>						33.9-34.3m purple fine sandy							1		1	4
									2		with few veins minor offsetted voice						1				Ė.
		5 -		:.								L				1					5 1
			]				1		1				1								E <sub>B</sub>
		6 -							:											5.8m (36.50m)	
		7 -									Lamtrotod				1					(co.sum)	7
		-	1		幽川		-				Conrac grained SANDSTONE		87	۱,			1				-
		8-		1.						-	ut 36.1m	Lumo.	00	ļ <sup> </sup>							n a
		-										-									بسليد
		9 -	]																		- 9
		-	1																		40
	12.70	11 40	<del></del>		10 7	3	1	1	1	1 ta tine	s driffer's note 4 2), 2 (substicit), 3 (piece), 4 (fragment), 5 (grain)				·	= C	) )	זר	: : @	<del>1</del>	
					1/2 R	Ŋ	,	1		o - 5 te		41.			-					EI DOMENT	<b>∞</b> 11

S	e Kone	Rive	r Ba	<u>sin P</u>	ROJE	<u> </u>				<u>-</u>	НО	LE NO	<u> </u>		2			SHEE		3 )
LOCATIO	NC	Xe I	(aman	Damsit	<u>e</u>				DE	PTH OF HOLE	60.0	<u>:</u> :	D.	. (	COMMENCED	) <u></u>	24-2	-1994	<u> </u>	سنسند
ELEVAT	ION .	132	7	1.3.5			E	<u></u>	DI	RECTION OF HOLE	90	<u> </u>	- ::	(	COMPLETED		<u>5-3-</u>	1994		
COORDII	NATE .	X : E'	13221	9		3.5			- CO	RE RECOVERY	98.3		X	I	DRILLED B	Υ		`		3. T
		Y:N.	16548	26			<u> </u>	_	DR	ILLING MACHINE	D-900	<u> </u>			LOGGED BY	' <u> </u>		200		···
*		¥		_ ≽_						RVATION OF CORE	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	e di	Ţ	EST	NG	w	3	<u>.</u>		
ELEVATION	ОЕРТН	ROCK NAME	507	CORE	COLOR	WEATHER- ING	HARD- Mess	CRACK SPACING	EVALUATION	DESCRIP	TION	LUGEDN	_	Pc	DEPTH RESULT	BIT TYPE	CASING	ORILL WATER	6.W.L (Dpt.H)	DEPTH
D-3 20	40m			0 → 100 <sub>%</sub>	12	_	. A					10	Kgri	/cmi			-	×		40m
92.70	2 3 - 4 5 6 5 7 - 8 5 6 7	Sands to the contraction of the c			purplish grey	2	2	2	Ď	Laminated coorse grained with granule  Lamina et 65' at 41.3m  Sheared zone 2cm thick, grein color at 45.2m  Granula grave between 52.1m  I to 2cm veln at 54.4m  Velns in this has HC1 react.  For thick granula for at 57.2m	sanish  dence and 53.3m	Lu=5.13	14 8.19	64 5.69 5.65	1				5.3m (AB.30h)	1 2 3 4 5 6 7 8 9 50 - 2 3 4 5 6 7 8 9 0
			٠.		7	. 1	t	, t		+ driller's rete 4 pt; 2 (miletist), 3 (pleas), 4 H;	equenti. E igraini		4.3	: '		ΕP			<b>*</b>	
					Ŋ		, f.	1 250	gi-5(		•	. 5			_				EI COMENT	CO LTD

				sin						<u> </u>	HOLE	No	•	XK					SHEE	1 0	5 )
LOCATI	-			Damsi	te ·					PTH OF HOLE 100.0			<u> </u>	•	COMMENCE	-			1994		
ELEVAT			0					<u> </u>						•	COMPLETE	-			1994		<del></del>
COORDII	NATE _				· · · ·					RE RECOVERY 99.6	•		%	-	DRILLED	_	Th			<del></del>	
		Y:N	<u>16549</u>	37						ILLING MACHINE KT-10	0				LOCCED B	Υ _	Но	shii			
õ	_	AME	· s	≿		i.	<u> </u>	ا د	OBSE	RYATION OF CORE		_	г	EST	NG .	E I	ي	NO.	E E		<u>_</u>
ELEVATION	ОЕРТН	ROCK NAME	0	CORE	COLOR	WEATHE	HARD- NESS	CRACK	CCK	DESCRIPTION		LUCEON	Рлах	ů	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L (Dpt.H)	DEPTH
ū		2				¥	₹.	35	EYA			3		Ļ				9			
256.00	Om			9 → 100	<b>x</b>	+-	-		$\vdash$			-	Kgf	/cml			ļ	<del> </del>	%	<del></del>	Om
	4				Ę	ľ				Talum deposits							:		1		
	1 44	Talue	Δ		redxbrown						•										- 1
	4	. 6	4		red																
	5 1		.^.				_		-					ļ			١,				2
	3 1					1 .		3									1				E   E3
	" ]							,		Coarse grained SANDS	STONE			ŀ							
	4 1		• •					4		Gravelly portion and	4										[ 4
	4									mandy portion coexis	t										
	5			я		3	2										$\vdash$			·	5
	4			3	brown								1								
	6 -			7		,			ь	6.6-8.0m gray mandy											6
	. 4				yellowish	Ι,	,		٦	,	٠										
	2 1		٠.٠	<b>j</b>	Ţ					Cracks stained							:				-7
	81			1	∥ ``	4	3	3													8
	, 14																				[
	9 7		· .	2																	-9
	1				,					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
	10			772		1.															10
	2	ě				+	$\vdash$	-	$\vdash$												
	1 4	Sandatone			ږ			Ì		Fine grained SANDSTO Purple fine green ##	ONE	-	-	<b></b> -							
	1	Sen			gray	ż				Taypio 11115 at con se	-,,,,,								}		
	2 1			1111	×	5	2			Irregular SANDSTONE 0.5cm to 1cm gravel	Lene										2
	1		`.`	<b>a</b>	<b>tern</b>	3				from 11.2m to 11.9m		96									2
	3 1				ī da							Lu=10.	5.68	88.							3
	4			ЩШ		<u> </u>	ļ.	2				Luz	£)	6							4
	unt									Coarse grained SANDS	TONE										
	5		•	22	brown	3		١.		with gravel.											5
	1				111			,	A												-
	6			Ш	yellowish	1	3			Solution along crack	· <e,but< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6</td></e,but<>										6
	•		••		110	1				no HC1 reaction	:										E
	7		. •		×			3				S				-					7
	1				<del> </del>	+	†	1				Luw 10.	7.14	5.14							[ ]
	8		1.		elxbrn+grey	1.	2			Conrec to medium grained SANDSTONE		L.	,	'n							8
	9				pru-	3	1	1.						'							
			'.'		N S		3														} }
236.00	20	<u> </u>	<u> </u>	1444	<u>и</u> ,	1	<u> </u>	<u> </u>	L	r d/Mor's note a			<u></u>	<u> </u>	L	<u> </u>	<u> </u>	<u> </u>	L	-	20
:		. 4	100	KN K	$^{\prime\prime}$	I	I	. 1		), 2 ioubstlok), 3 spisool, 4 Hysement), 6 Spr	nic)					ΞΕ	) <u> </u>		:   #	3	

<u> 58 KO</u>				PRUJE	· .				HULL			XK					SHEE		<u>[ 5 )</u>
LOCATION			Damsi			· · ·			EPTH OF HOLE 100.0		R		COMMENCE				1994		
ELEVATION		0_			4		<u> </u>		RECTION OF HOLE 90"			٠.	COMPLETE	D _	25	2-	1994		
COORDINATE	<u> X:E</u>	73233	30	·				CC	DRE RECOVERY 99.6		*		DRILLED	BY	**			<u>. 1941</u>	• •
	<u> Y:N</u>	16549	137					DI	RILLING MACHINE KT-100				LOCCED B	Υ, .	493				
*	W.		. ≿		. :	٠.	(		RYATION OF CORE		, T	SŢ	NG :		1	õ	~		
ELEVATION	ROCK NAME	501	CORE	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	ROBONT	Pmex	D C	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER RETURN	<u>Б.W.L</u> (Орт.Н)	DEPTH
236.00	n		0 → 100-	*		2.					Kgr	/cm					×		20m
230.00	4			۵	3	3	3		Bottom surface at 80'			:							
2	سطيسطسط			oy.	2 3	2	2		Purplish fine SANDSTONE with 2-3cm thick greenish medium grained sandstone bands wound and vertical										2
3	ساستاستدانه			urplish gr	2					Lu=11.45	6.59	4.59							3
5	مطييتيانيساني			2	2 1 3	2	2 1 3		Purplish SANDSTONE										4
	بأ	• , . •			-	3	_		SANDSTONE			Ι							
6	1 ° .		7	br	3		3		stained to brown										6
8	hankaskaskaskaskaskaskaskaskaskaskaskaskask			Yers					Purple f.g.SANDSTONE / green m.g.SANDSTONE 1-3cm alt. ut 70' Cracks stained from 26.4m to 27.3m  Purplish irregular shaped shale gravel	Lu=13.39	5.18	3.18							7 8
30					2		2	a	from 29.3m to 30.0m up to 10cm scross  Most orocks stained										30
2	سمتلسيبا يستاءميناء			gray	<b>1</b>	2	١		Granule Conglomerate from 30.9m to 31.6m	15.3		05			,				2
4	America te	0000		purplish a	3		3		with green p.g. sendstone bands at 850. S. sendstone  1-60m green sheared zone at 10' to 20' with stained crack on the top surface	Lu-	7.	5.	3				-		4
6	Conglomera	° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °				:			Granule CONGLOMERATE including 2cm shale gravels										6
8	Louisoulouisuus Sandstone				з	2	3	<	Concre genined SANDSTONE Solution from 37.9m to 38.2m, 38.8m,39.0m to 39.4m	Lu=8.5	80	9							-7 -8
216.00 40				777		3	-	1 - S (a					_				164	)	40

- 7	e Kons				PROJE						LE NO		XK					SHEE		5 1
LOCATI	ON .	Хe	Kamar	ı Dansi	te			_		SPTH OF HOLE 100.0			•	COMMENCE				1994		
ELEVAT	10N	256	0					1	DI	RECTION OF HOLE 90				COMPLETE	_			1994		<del></del>
COORDI	NATE .	X:E	73233	30					CO	ORE RECOVERY 99.6		X	_	DRILLED E	BY _					·
		Y.N	16549	337				<del></del>	DF	RILLING MACHINE <u>XT-100</u>				locced b	Υ_					
		щ		,	L			(	OBSE	RVATION OF CORE		1	EST	ING	ш	Ī	ĕ	<b>E</b>		
ELEVATION	DEPTH	BOCK NAME	L 0 G	CORE	1 -	WEATHER-	HARD- NFSS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Prasx	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L (Opt.H)	рертн
216.00	40m			0 - 190	×					Granule CONGLOMERATE	_		/çal					×	- 2	40m
216.ω	1					3	┨	3		or Coarse grained		Ī							(Final)	-
	1 -																			F 1
	-																			<u>.</u>
	2				.						96			,						-2
			١.,								Lu=8.86	8.09		ļ						
	3 -										3	"	1							£ 3,
					-	1					İ									4
	4 -												ļ							-
	5 -									Granule CONGLOMERATE		<u> </u>	L							- 5
			١.,					1		from 44.9m to 45.4m	11	1	П							
	6 -					2					-	$\vdash$	+	1						в
				13			2													È I
	7 -		• •					2												7
	-						1			Granule CONGLOMERATE or				ļ						
	8-		۱.·.					1		coarse grained SANDSTONI	95	6	33	1	1					В
	-			<b>a</b>		- 5			ŀ		Lu=5.95	9.33	7.3							بدنان
	9-		'.'		87.8Y						1.5						ŀ			F 9
	-	Sandstone	٠,	[3]						:					ŀ					
	50-	a p		иШ	Purpilsh		١	1.3	a											-50
		See			lll å									] .					1	
	1 -	1			°	3				irregular shaped	-	+	╁╌	1						1
							ŀ			up to 2cm across										2
	2 -	1		HIII			1				2									
	3 -	1	<b>\</b> .'.	B							=1.42	1.74	24							. 3
	ਁ.		•				3	3			13	-	0.							£.
1.	4 -	3				1.		ľ			-					1		-		<u> </u>
		1			$\parallel \parallel$	1														Ē
	5 -	#		.	<sup>-</sup>					Most orsoks stained	-	1	+==	1						5
		1		. []]]]]]						above 56.5m										ي ښلند
	g -	1																		E 6
		3	[:.			F	-			· .										-
	7 .	1	, .				1.		-		12	92								7
		1		·		1					Lu=1.71	8.9		,						-
	8	4		. 📶		2					نّا ا									8
	'	1	.	<b>A</b>			1											:		1
	9			焩			1.		-							-				[°
196.00	60		<u> </u>			1.			L			<u></u>			<u> </u>					60
				1	1	Ì	1			o drilloc's note a t), 2 loubstloti, 3 lpicest, 4 tfragmenti, 6 lpraini					ΞF	<b>)</b> [	<b>)</b> (	Sid	<del> </del>	
				[[/] 	L.		lifte	1 ther	Ø -5 k			٠.		_					ELOPMENT	CO., LTO

<u> </u>	e Konj	Riv	er Ba	sin f	ROJE	CT					HOL	E No	٠	XX	-3	1.3	. : '	Ü	SHEE	T 4 01	( 5 )
LOCATI	ON .	Хe	Kamar	Damsit	e				DI	EPTH OF HOLE 100.0			<b>g</b> )		COMMENCE						
ELEVAT	10%	256	.0					<u>.</u>	D	IRECTION OF HOLE 90'	1. <sup>1</sup>				COMPLETE	D _	25	-2-	1994		·
COORDI	NATE _	X E	73233	0		<u>.</u>			CO	ORE RECOVERY 99.6		. :	<b>X</b>		DRILLED	BY	• .•		·		
	٠.	Y: N	16549	37				<u> </u>	Di	RILLING MACHINE KT-100	· .				LOCCED B	Υ	11.	4	<u>.</u>		
<u> </u>		Ä		≿		7:	· · · ·			RVATION OF CORE			ĭ	EST	NG	ш	[	5	Ä.		
ELEVATION	ОЕРТН	ROCK HAME	100	CORE	COLOR	WEATHER-	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	144	LUCEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WAT RETURN	6.W.L (Opt.H)	DEPTH
196.00	60m			0 → 100 <sub>%</sub>									Kgf	/cel	1 2 2 2 2				χ		60m
	, sastranstvar									Medium to coarge grained SANDSTONE with gravels								:			
	2 1111							1		Few calcareous veins at 60'		41	9	8							22
	a autorefer		• : • : • :					3				Lu-6	9.(	6.6				:			3
	4 R		• •																		5
	و بتلييميليسيا						:	3		Dismolved veins at 66,2m and 66.6m											-6
	2 Accolected as	tone	•			2	2					99	14	84				,			7
	8 8 8	Sandatone			grey							Lu=3.66	8.84	9							8
ļ	70 11	:-			purplish g				=												-70
	Leasterstin				and			2					;								1
	3											Lu=7.49	8.91	-							2
:	4																				-3
	2 Herritanit		,			2	2			Medium grained SANDST below 74.7m	ONE .										-5
	0. 1.		0 0			3	3	Э						1							6
	2 2 2	Conglomerate	000					2		Granule CONGLOMERATE			•						200		-8
	O Carrellanal	Ş	000			2	5	1 3					97	9.7							-9
176,00	80 }	Se	• •		5	<u> </u>	ــا	L_		M.g.Ss 79.7m to 80.0m	'		6	9	<u> </u>			]			80
							1.	•	i in tenk i - 5 lee	-> drillot's note 4 J. 2 (authorios), 3 iprioso), 4 Hysementi, 6 igrain Note	,	4			E	EP		C	G#	), -	,
			: · '	, L	COFE 101	• 1	itreel	1-50	de com	ne pasedi										LOPMENT C	CO. LTD.

S	e Kong	Riv	<u>er Ba</u>	sin P	ROJE	T				HOLI	E No		XK	-3			13	HEE	<u> 5 of</u>	5 }
LOCATI	0N _	Хe	Kaman	Damsit	e				DE	EPTH OF HOLE 100.0		C)		COMMENCE	) _	15	2-1	994		
ELEVAT	10N _	256	0				E	<u>.                                    </u>	ĎΙ	RECTION OF HOLE 90°				COMPLETE	D _	25	-2-1	994		
COORD1	NATE	X:E	73233	0					CC	ORE RECOVERY 99.6		X		DRILLED 1	BY _					:
	_	Y:N	16549	37					DF	RILLING MACHINE KT-100			_	FOCCED B	Υ _					
*		띹	i	>				- (	0858	RVATION OF CORE		Ţ	EST	ING	w		ION	E R		
ELEVATION	DEPTH	ROCK NAME	0	CORE	COLOR	WEATHER- ING	HARO- NESS	CRACK	EVALUATION	DESCRIPTION	LUGEON	Pasx	. o	DEPTH RESULT	BIT TYP.	CASING	CEMENTATION	DRILL WATER RETURN	6.W.L (Opt.H)	DEPTH
176.00	80m	·		0 → 100 <sub>%</sub>	_			_				Kg	/cml		_			%		80m
176.00	. 0 0 4				purplish grey	2	2	2		Fine purple SANDSTONE above 80.8m  Medium grained SANDSTONE  Dissolved vein at 50 at 81.4m, 3mm thick  Three purplish lcm thick bands at 80 at 83.8m	Lu=3.15	6.97	6.97							2 3
	5 1		· . ·					3		,	-	.1	<u> </u>							- 6
	6 duidanta				£					5cm gravel bed at 50' at 85.7m  Medium to coerse grained greenish SANDSTONE from 85.6m to 86.5m										-6
1.	7	:				3	2 1 3	3		Course genined SANDSTONE	Lu=3.65	8.6	7.8							-7 -8
	90 -	Sandstone						3	8	-2cm thick green whear with calcite vein at 70° at 90.2m		:								90
	s s s	Ser			lish grey			2		90.2-95.3m medium grained SANDSTONE with purple fine grained eandstone bands at 75	Lu=8.43	8.87	6.97							1 2
	4			22	purpl	2	2													-4
	6 ·							3		Lemine at 70° at 95.3m						-				-6
	7		• •			-		2		and finer below 95.3m  3cm purple while patch at 95.6m	Lu=6.27	9.83	1							7
	8 -	٠.						3		Cracks stained down to the bottom	1						-			8
156.00	100		.,	7	<u> </u>	1	1	1		End of Hote 100.0m		•  - :						ام ا		100
100			3.56		1	1	Α,		1 le tiet 0 - 5 le	ti, 2 leubstield. 3 leiseal, 4 Kraementi. 5 leraini efti		1		· <u>F</u>	F	<b>.</b>	_	1#	<del>)</del>	

Se CATION									01	PTH OF HOLE 80.0				COMMENCE					10	
EVAT10								S)		RECTION OF HOLE 90'				COMPLETE	_			1993	}	
ORDINA	TE	X E	67331	7					CO	ORE RECOVERY 91.9				DRILLED	•					
		Y:N	16634	82		<u> </u>			DI	RILLING MACHINE D-900				LOCCED B						
2		4			I	10.			OBSE	RYATION OF CORE	1	Ţ	EST	IKB	Ī Ī		8	ex T		
ELEVATION	DEPTH	ROCK NAM	L 0 G	CORE	8	WEATHER-	HARD-	CRACK	ا بدا:	DESCRIPTION	LUGEON	Рввх	bc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	6.W.L (Opt.H)	ОЕРТИ
	Om			0 -+ 100	×		1	L				Kgr	/cel					*		0
2.00	عدار	10	Δ																	
	1	Topsoll	Δ							landina di Kabupatèn Balandara (Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn										Ē.,
	4	-	V			_	†	†	1	Strongly wethered BASALT	1					٠.٠				
	3 1		V					:		Residual soil like										-2
	4		V			5			c	Few hard fragments							4			-
	3		v		J1 F		5	5					1	1 1 E		: .				3
	4				4		Ι.				<u> </u>	'	1							4
	4		٧														٠.			<u> </u>
-	6 4	·	V	a																E 15
	4		٧				+	╁╴	-					124.4						
	6 1		V							BASALT										ŧ
	المسا		V			.   .												-		
	4		V							Fresh, hard, many pore up to los across down to 10m										7
	8.71		V			1				Coro la 6 Lo 30em long						- :				В
	u		,								53		7							
	ann		V							Crack marines stained	Lumb.	5.37	3.3							9
	10 -J		V								1									
	. 4	alt.	Ÿ							Brown but only surface										- 10
Ì	1 4	Baselt	٧	23																1
	1		V																	
	5 4		V	7	Ⅲ.											ļ				2
	3 Janet		V		30	2	2	з	.		8	28	8					-  -		
	مسط		V		^	,					Lu=0	8.2	5.7							9
Ì	4 1																.			4
	ari.		٧																	علمية
	2 4		V								-									- 6
	. 4		٧											·		.				
	9		V	糊												.		-		8
	2 4		V					1.			.14	26								7.
	and a		V								Lu=0.1	8.2	1				Ì	ļ		
	2		V								]									8
	1													7.						
	9		V										ا	19.08m 1959 <b>0</b> m						9
2.00 2	20 ]		V	ШШІ	Ш		1							4c+880	- 4					20

Se	Kong	Riv	er Ba	sin	PROJ	ECT			:		HOLE	No.		XN	1			13	SHEE	2 01	4)
LOCATIO	)N	Хe	Namno	y Dams	ite	·			DE	PTH OF HOLE	80.0			. (	COMMENCE	D _	3-	12-	1993		
ELEVATI	ON _	752						<u> </u>	- 01	RECTION OF HOLE	90'			. (	COMPLETE	D _	25	-12	199	3	
COORDIN	ATE _	X:E	<u>67331</u>	7	· · · ·				CC	RE RECOVERY	91.9		*	١	DRILLED	BY _	Th	ong	say		
		Y:N	16634	82	· ·				DF	HILLING MACHINE	D-900 ·			. 1	LOGGED B	Υ _	Ho	<u>shi</u> i	10		
*		및		≿	L					RVATION OF CORE			71	STI	NG	μı.	<b></b>	Ä	24 14		
ELEYATION	H1430	ROCK NAME	507	CORE	COLOR	WEATHER	HARD-	CRACK	ROCK EVALUATION	DESCRIPTIO	ON .	LUGEON	PHEX	Pc	DEPTH	BIT TYPE	CASING	CEMENTATION	DRILL WATER RETURN	6.W.L (Dpt.H)	DEPTH
732.00	20m			0 -> 100	*		I						Kgf	Çef					x		20m
/32.00	ممارية	:	\ \ \							BASALT					20.54m 4c⊁2120						1
	1		V												•						
	5 th		Y.									1.84	8.18	5.68							2
	3		V	22								1=nT	8								3
	4		V	33	<b>.</b>					·											-4
	2		V		black																- 5
	6		V																		-6
	7 -		V																	: .	7
	, landing		V			2	2	3				Lu=1.03	8.57	6.07							·
	8		\ \							27.5-28.3m fill 28.4-31.0m very	porous porous	ដ								1 1	8
	9 -		V			-		.;		Pore shape is o up to zem in di	ovel emeter			!							9
	30 -	Base 1 t	V		.					·											30
	1		\ \		Yer a					White coated at from 30.2m to 3	28,9m,										1
	2		V		derrk					., ., ., ., ., ., ., .,		₩.									2
9			V									U=41.	4.37	1	32,89m						3
	3		V							Poroum below 34	, 4m	1			80=1220						اسلسا
	4 -		V						1												4
·	5 -		V		╢.	-	+	+	-	Very parous and	, panaku	-									5
	ε-		\ \ \ \		<sub>*</sub>	,	2				, cracky										6
	7 -		V		40014		,   :	,		White material		7									7
	8 -		V			;	3	4	ь	Pore up to 0.50	⊇m	Lu=41.	4.37								8
			V				2 1			in dimmeter				:							
	9		V				2   -	3		38.7-38.9m blad 39.86~39.9m bla	ek silt iek silt										عمان بیرا معان بیرا
1.712.00	1.0	1	+	<u> </u>	<u>И</u> _		+			» driller's nots «		J	J	<del></del>	1		<u> </u>	<u></u>	نىل ماھ	<del> </del>	F 10
	1,500			M !	N:		1	1 Page	l intie d - 5 t	k), 2 iout-stield. 3 lpices), 4 Kroom verti	word, Signess	10.1					L	JL	<b>=</b>  4	₽.	

s	e kon	KITA	er ba	SIII	rnuje	UI_			<u> </u>		<u> nu</u>		AN	-)	- 1			HLL	3 01	4
LOCATI	ON	Хe	Namno	y Dams	ite_				DI	EPTH OF HOLE 80.0		Ð		COMMENCE	) _	3-	2-1	993	·.	- 5-
ELEVAT	ION	752		3				<u> </u>	D)	RECTION OF HOLE 90'				COMPLETE	)	25	12	199	3	
COORDI	NATE	X:E	67331	7	1.1				CO	ORE RECOVERY 91.9		X		DRILLED E	3Y	The	ากสร	av		
			16634		1 3 1	9.			DI	ILLING MACHINE D-900		77		LOCCED BY						
		_			T		-			RYATION OF CORE	T	TI	ST	<del></del>	_					
ELEVATION	Ŧ	ROCK HAME	ı	CORE RECOVERY	~	Ė	122		3		E	x			TYPE	2	CEMENTATION	DRILL WATER Return		≝
LEV	ОЕРТН	CK	0 7	CORE	COLOR	WEATHER-	HARD- NESS	SPACE	ROCK	DESCRIPTION	LUCEON	Ê	O	DEPTH RESULT	BIT T	CASING	<b>JENT</b>		G.W.L (Dpt.H)	DEPTH
ū		ě	* '. 		1	¥	ž	22	<u>.</u>		=				<b>"</b>	·	CEN	2	(Opt.ii)	
712.00	40m	<del>-</del>	1/	0 → 100 <sub>1</sub>	<del>11 -</del>	-	-	-	_		ļ	Kgf	CH			_		%		40m
	1		*		black	2	3	3		BASALT	'							}		
٠.	1 4		V		مَ	3	3	4	ь	Core loss								.		, [
	-1		V						:	from 41.1m to 41.9m							٠.	1		
	2 =		v		<b> </b>	1	<del>                                     </del>			From 41.9m to 42.0m	9	<b>6</b>	1					.		2
	al al				H					Silt, dark gray, hard shaly material broken by hands	1.5	4	ı					-	. (1)	
	3 4		V					3									. 1	.		3
	. 1		V.				2							4.1						
. :	4 =		V		l x			H								:				1
	1				black		3	4			$\vdash$									
	2,44		ľ		^			3		Cracky			÷.			2		.	٠.	5
	- Jan		V				3	L.	ļ	Brownish grey material on some crack surfaces										
	2 7		V							Poroug						.				- 6
	7 -		v			2	1:	4												
	' ]				-	4	-	-	ł		0.0	61.	ì	1.4						7
]	8.4	Basalt	V								Lu=50	4	١.							
	, 11	Bas	V	##       <b> </b>						Pore la poor					1/					8
.	8 -		V	<b>#</b>		1,				Crack stained	1							i	100	9
]	4		V	翔				3	ŀ	Chack Wearings										
]	50-			<b>M</b>						,	-					. [				60
	1		V	<b>7</b>						Brown material at 51.4m					- :	·				
	1		V	3	À											:				
	1		V		₩ <b>5</b>	3	2	4	1				٠			ļ				
	2 -			<b>7</b>	ark			-	1		1.7	6							٠.	2
1	in the			Я	∭ "						Lusa	4.2								
	3 -		\		.						2									3
	1		V	<b>19</b>										53. 51m 41=660						
	4 17		V			-		3		, i		]		""						4
	7									·	-		:							
	5 -		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		•												.			5
	2 1		٧						1							. [		1		
	6					1	1				1					.	.	.		8
ĺ	7	Ţ.			,						6					.				
-	1	Sand		19	, X		ļ		b	Silt and clay with basalt	Lu=49	17			.			ĺ	٠.	7
-	8 7			34			•			Core loss stove 57.3s fragment and sand	3	7								
}	1	9	: ::			+-	<del> </del>	<del> </del>	<del> </del>	(River Sand) Alternation of	-							Ì		8
	9 -	Sandstone		斑	Idd		_			SANDSTONE and SHALE			٠.							9
	1	ę,		<b>#</b>	redxpp]	5	G	5	17	Silty and clayoy										
692.00	60	ν̈	<u> </u>	KKI III	Щ.	1	<u> </u>	Ļ	<u>L</u>	A-22-6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		Ш								60
		•		96	1	Ī	1	† I Bhard		-> drillot's hate 4 II. 2 leukatiohii. 3 lploosi, 4 Hrogmanti: 8 lyrului: efti	٠.			E	P		C	4	,	
100			1.	T		***		N 5											DENERT !	m i m

Se	Kong	Rive	er Ba	sin	PROJE	T_				HOLE	No.		XN	-1			1.5	SHEE	<u>r 101</u>	4 1
LOCATIO	N _	Xe l	\amno	y Dams	ite	:			DE	SPTH OF HOLE 80.0		Ø.	. 1	COMMENCE	D <sub>:</sub> _	3-	12-1	993		
ELEVATI	ON _	752		٠.			£		DI	RECTION OF HOLE 90			. 1	COMPLETE	D _	25	12-	199	3	<u> </u>
COORDIN	ATB _	X:E6	57331	7.		-			CC	RE RECOVERY 91.9		*		DRILLED I	BY _	The	ongs	say		- 1
		Y N	16634	82					DF	RILLING MACHINE D-900				LOGGED B'	Υ _	Hos	shir	10		
2		ĘĘ.		>	T					RVATION OF CORE		ī	EST	NS			Š	æ		
ELEVATION	ОЕРТН	ROCK NAME	507	CORE Recovery	COLOR	WEATHER. ING	HARD- NESS	CRACK	ROCK EYALUATION	DESCRIPTION	ПОСЕОМ	Ртех	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WAT	B.W.L (Dpt.H)	ОЕРТН
	60m			0 → 100	×							Kgf	/cm					%		60m
692.00	- 2 3	Sandatione	• • • • • • • • • • • • • • • • • • • •		purple redxpp1	5	\$	5	¢	Wethered SANDSTONE AND SHALE SHALE from 61.1m to 61.6m Purple SANDSTONE flat lamina from 61.9m to 62.25m Core loss										1 2 3
	4.	S.P.	$\prod_{\cdot \cdot}$	N	grey pp1	3 2 1 3	2 5 3	3 2 1 3		SHALE No core from 63.8m to 64.0m 63.4m-63.7m purple sendy shell 63.7m-65.1m m.g.Ss lamine at 20'										4
	5 Tunhunhunhun	FSs			sh purple	2	3	2		Fine grained SANDSTONE Clayes at 61.9m-86.5m about 10cm thick									,	6
	8 Sections by sections		•		reddlah	3			ь	Lumine at 10 to 15' No core from 65.05m to 65.35m  Medium grained SANDSTONE		:					-			8
	70	Sandatone	• •		yellowish brown	4	3	4		Color changed to brown  2-3cm thick clayor layere at 73.8m.74.2m and 74.5m		!								70
#	3	FSa			pplxgrey		3	3		Fine grained SANDSTONE				:			i			2
	4 - 5 -	Sandstone			grey	2	2 5 3	5	Ħ	Medium grained SANDSTONE Laminated										4 5
	6	1556			ppixeray	3	2	1		Fine grained SANDSTONE  76.8.77.4m 10cm thick shale  No cord from 77.8m to 78.0m	4									1 7 7
	8 - 9 -	Se			80	2~3 3	2 2	2 5	b	Medium grained SANDSTONE No core from 78.2m to 78.8m from 79.1m to 79.3m SHALE	4									8 9
672.00	80	Su	1	ШШ 1/1	N N	4.	1	17	1	M.g.Ss COTOLLE LEAS	1_		1	<u>.                                    </u>		J	<u></u>			80
	*	$\mathbb{N}_{\mathbb{Q}}$		10	7	. [	ŀ		1 tetici A - 5 A	k), 2 loubatiek). 3 (piece). 4 ffragment): B (grein) 1970			•	_	EF				<del>*</del>	· ·

GEOLOGIC LOG OF DRILL HO	)I F
--------------------------	------

Se	Se Kong River Basin PROJECT									HOLE No.				-2	- 1	(SHEET 1 of 2)						
LOCATIO									DEPTH OF HOLE 40.0					COMMENCE	D 🦫	26-12-1993						
ELEVATI	ON	N 711 •								DIRECTION OF HOLE 90°				COMPLETE	D	2-1-1994						
COORDIN	LATE	ATE X:E673584								CORE RECOVERY 100 %				DRILLED	BY	Thongsay						
	Y:N1663766									DRILLING MACHINE			LOGGED BY				Hoshino					
		뿤		2:				(	BSE	RVATION OF CORE		Ť	EST	ING	u.							
ELEVATION	DEPTH	ROCK NAME	907	CORE	COLOR	WEATHER- ING	HARO- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	HOREON	Pmax	ъd	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	B.W.L (Opt.H)	рертн		
711.00	Om			0 + 100 <sub>%</sub>				П				Kgf	/csi	<u> </u>				X		Om		
	5 54 54 54 54 54 54 54 54 54 54 54 54 54				h grey			4	ь	Medium grained SANDSTONE and purplish grey fine grained SANDSTONE	1		T						1.2m S (Final)	1		
	3 4	cone			purpilsh			2		Lamina at 5' to 10'  Above 1.4m splited along lamina						1				3		
	5 5	Sandston						2		Lemina at 30	Lu=125									- 5 - 6		
	7 4				Ke Di		2	1		Culcareous below 4.5m (wirrong HC1 renation)  10cm thick purple SHALE at 8.0m  Shale gravel below 8.3m										7		
	9 -	5	Ш		ī da			3		SHALE						4.				9		
	10	Sandatone			Brey	2	5	. 1.	•	Medium grained SANDSTONE Lamina et 5' Virtical calcité vein	Lu*13.61	5.32	3.32						1.3m (10.10m)	10		
	3	San			7		3			Storong HCI resotion below 14.1m down to the end of hole Purple whele grave! up to 5cm scross at 10.3m	7.5									4 33 <b>4</b>		
	6 - 6 -	1 =			reddish purple	*		2		Calcareous SHALE White irregular lens and lamina	Lu=43	8.26							1 . 2m (14 . 75m)	5 6 r		
en.	8 -	Sandstone			purplish grey			1		SANDSTONE with dense whale inminu (spacing less the lem)  Lominated medium to fine grained SANDSTONE	Lu#0.94	5.28	3.28							6 9		
6/31,001-20-3															LOPMENT	CO., LTD.						

\$	e Kong	Riv	er B	asin	PROJE	CT_				HOL	E No	<u>.                                    </u>	XN	-2			1	SHEE	T 2 o	<u> </u>
LOCATI				oy Dams	ite					EPTH OF HOLE 40.0		m	-	COMMENCE	-	26	-12	199	3	
ELEVAT	•	711		<u>:</u>			1	<u> </u>		RECTION OF HOLE 90'			•	COMPLETE	_		1-1			·.
COORDI	NATE _					<del>: : :</del>		·		DRE RECOVERY 100		X		DRILLED	_	Th	ong	ay		<del></del>
	٠٠ -	Y:N	1663	766				<u> </u>		RILLING MACHINE D-900			-	LOGGED B	Y _					
8	×	AME	5	±	-	ex.	٧ ا			RVATION OF CORE	+	1	EST	ING	36.	9	E S	S.E.		<b>=</b>
ELEVATION	ОЕРТЯ	ROCK NAME	٦ 0	CORE	COLOR	WEATHER-	Ş	¥ÇÇ	SE SE	DESCRIPTION	LUGEON	Ртех	ů A	DEPTH	BIT TYPE	CASING	CEMENTATION	RETU	G.W.L (Dpt.H)	DEPTH
-	20m	~		0 → 100-	+-	F	=	20	<u> </u>		<del>                                     </del>	<u> </u>	/cmi		_	-	뜅	₩ W	- ·	20m
691.00	20		-	HHH	1	1			$\vdash$		2	<u> </u>						^		2011
	. 1		,								Lu=0.94	5.28	3.29							
	, 1	ę	•							Lumina fina to medium SANDSTONE above 21.3m	3	Ľ							1.2m (2).40m)	F 1
	, 0 , , , , , , , , , , , , , , , , , ,	Sandatone	٠		3			-		SHALE lens below 20.8m			1						(2).40%)	2
	1	Serie			16															
	3 1	**			urplish			1		Medium grained SANDSTONE with purple SHALE lens lamina lews than 5'					7					3
					, ž															
	4 4	•	$\prod$		]					SHALE with dense calcareous patches	32	_	_							4
	1	Shale						١.			u=0.2	7.23	5.23							
1	2 1	Ss	Щ							F.g.Sa purple shale lens	#									5
	6 7				1	1 .		3		SHALE with onicareous	1									E 6
	1						2	<del> </del>		patches				:						
	7 1	: 1.			\$					gradient de la company										Ę.,
	1				SF 67	1.														<u>.                                      </u>
	2				7 1 8	1			Ì		1									- B
	المسا				urp			'											1.2m (28.70m)	
	Butat	Shale		HAR	purple/purplish						_									9
	30 1	, co			d L	2	,	1	R		Lu=0.	5.32	1			<u> </u>				30
	1	٠.		翻川	11	.					] 🗓	ß	Ċ							-
	1 4				reddish			. 2												1
	قىلىس				Ž											ŀ				Ė l
	2 -				1											ļ			•	-2
	1										<b>]</b>	-	-			ļ				
	3 7						3			Lamineted SANDSTONE									:	-3
	4				<u>}</u>		15									<u> </u>				4
	1	ğ	.		PP JXGT					Cross lamina										النين
	5 -	Sandatone			1 .					33.1-33.2m purple whate										5
	4114	Ser			-	-				Luminated medium grained										-
	.6 -				ğ					e de la companya del companya de la companya de la companya del companya de la co			ı							-6
	1				1 8	'		2		Dark grey lemina less than 5				,					1.2m (36.90m)	Ė.
:	7 1	~•				1													(36,90m)	F 7
	8				à					Purple SHALE with cutcite	'				٠,					8
		Shale			1 5	-				Irregular whaped patch up to 5cm scrows	-				17				,	
# I	9	้ร			pp l,							1								9
	1	٠. '						1		SANDSTONE				i						
L 071.00	1 10 3		Щ	ומאממו	N 	1	1	1		lemine less than 3'	1	L	<u>.                                    </u>		<u> </u>		Ľ		<u> </u>	<u> </u>
					4	, I.	-	l Bere		i). 2 insbirtlati). 3 (pleas). 4 threement). 6 (grain) eft)				E	- F	<u> </u>	JC	.   6	Ð .	

Se	Kong	Rive	r Ba	asin	P	ROJEC	T				HOLE	No.	·	XN	-3			( S	HEE	1 00	3 )
LOCATIO	)N	Xe I	lamn(	oy Da	amsi	te	•,		<u>.</u>	DE	PTH OF HOLE 60.0	- 1	0	. (	COMMENCE	) _	2-	12-1	993	<u> </u>	<u>:                                    </u>
ELEVAT	ION	753	<u>.                                    </u>	<u>.</u>	37			ľ		01	RECTION OF HOLE 90"			•	COMPLETE	-			199	} :-	
COORDIN	VATE	X:E	3737:	30	<u> </u>			_ ;	_	Ç0	RE RECOVERY 88.9		X	. 1	DRILLED I	BY _	Th	ongs	ay	<u> </u>	<del></del>
	٠.	<u> </u>	663	921_	- :			<u>.</u>	-	DR	ILLING MACHINE KT-100			. 1	FOCCED B	Υ_	Ho	<u>shir</u>	10		
ž		w.			E			: :			RVATION OF CORE		Ţ	EST	NG	اسا		HOL	ĕ,		
ELEVATION	DEPTH	ROCK HAME	507	CORE	RECOVERY	COLOR	WEATHER- ING	MAKD- NESS	CRACK	EVALUATION	DESCRIPTION	LUGEON	Pmax	Ц.,	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION		6.W.L. (Opt.H)	ОЕРТН
753.00	Om		Α.	0 -	100 <sub>%</sub>			$\dashv$					Kgri	/cal				Н	×		Om
100.00	4	Ta	Δ			ä					Topsoil		:			- 25		- 2			
	1		Δ		Ш						Talus deposits										1
			Δ			<b>à</b> .					Sandstone blocks										
	2		Δ			1			,		Silt, alay and block					j.					. 2
		alus.	Δ			i.															
	3 -	F				rownish															3
	4		Δ			Ä				·										. :	4
	1		Δ										١.				1			."	
	Б-		Πî						-	<del> </del>	SHALE				1 11 11						-5
	<u> </u>						4	4			Core recovery is about 30% from 4.8m to 6.4m									1	-
	6							5			30% from 4.8m to 6.4m mudcaka lika	1									6
	_					9			5	c							. 5				
	7.	Shale				1	3	4			Fragmental core with	7		1							- 7
		Shale	Ш			ourp11sh	"	"			cray, core recovery 60% from 6.4m to 8.2m							'			
	8	1		摊	捌	ž	-	-	-	-		١.									-8
		1	Ш		捌														-		
	9	1								1		L		Ŀ			Г	] .			9
	10	}	†	뀞	掤	1	1				Medium grained SANDSTONE	1									-10
		1	.	. []]	掤																
,	1.	1	1.	. 1	綳	1	2	5	2		Stick core		1								
		4	.		113	1						4.4		1			1,0				-
	2	oduniumi Sendatone	1.	- 83	m	61.50		5			Corse grained portion near 10.3m is broken	Lu=34	'								2
		Sen	•	·	344	£					by finger	~	1.								L .
	3	1	'	- 10	311	41 =														. :	<b>F</b> 3
		4	.'			S P	<u> </u>	3	-	-	Brown crack below 13.7m										
1	4	1	.		31						Brown Crack Deton 13.7m		Τ	T							4
•	] _	1	1!!	18			3		3		Sandy SHALE										-6
	5	Ī,	Ш	iM						1	Spotted sand above 15.8m						1				F
	6	a) de l	Hi	H			+-	+		<del> </del>	Core recovery is about								1		6
		3		!					4		30% below 15.8m	24.0	1					1			-
	7.	Sandy		!			4	4	١	0	Fragment core or mudcake	1 2	'	. [ '							7
		4				P			5		core below 15.8m			1:							1
	8	1	-{{}	╁		pplxred	-	+	+-	+-	SHALE	-		-							8
		1		1		i.	2	1	1		Fragment with clay from 18,2m to 18.3m										
	9	Shell						3		b		-	10	1	4						5 9
733.0	0 20	1	$\coprod$		Ш		3	3	4				4	11			L			14.8m	20
	-		-	V	7 6	3	1	1	1		o differ's note a nk.) 2 lectestint.) 3 letocol. 4 Hroquanti. 5 levaini .		٠			EF	<b>)</b> [	מכ	واد	<b>b</b> .	
				12	a Ki	- 1444 A		i Itro		Ø - 5	looft) 	. :i.,	1							ELOPMENT	CO., LTD

<u>Page</u>

Se	Kong	Rive	r Ba	sin l	PROJEC	<u>T_</u>				НОІ	E No		XN:	-3			<u>( S</u>	HEE	Γ 2 of	3 )
LOCATIO	)N _	Xe N	ашпо	y Dams	ite			_		PTH OF HOLE 60.0			•	COMMENCE	_		12-1			
ELEVATI	ION _	753				·							-	COMPLETE	_					· · · · · ·
COORDIA	VATE _	X:E6	7373	0		.: <u>.</u>				RE RECOVERY		*	•	DRILLED						<del></del>
	_	Y:NI	6639	21				_		ILLING MACHINE KT-100			_ !	LOCGED B	Y _					
₹	_	JYE	ပ	🛬		ا ا		_	-	RVATION OF CORE	+	1	EST	NG	2	<u>5</u>	TION	¥.		- <u>pe</u>
ELEVATION	DEPTH	ROCK NAME	ר ס (	CORE RECOVERY	COLOR	WEATHER	HARD- NESS	SPACK	EYAL LIATION	DESCRIPTION	LUGEON	Pmax	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION		6.W.L (Opt.H)	DEPTH
733.00	20m		711	0 → 100 <sub>1</sub>	<b>Y</b>						-	Kgf	/cwi	<u>.</u>				*		20m
1,3	1	Sh	Ш	8				.4		777										3
	1 1	ė	•					-		Medium grained SANDSTONE Broken with	Ì									1
	afran	Sandatone	• •		,	3	3	2	b	light hammer blow	32									-2
	2	Sand			grey					Mice rich Irrgular lens	Lu=20.	6.45						- 1		_
	3 -	-7	1111		F	-		-		SHALE	12	"						.		3
	برمارر				ourp11sh			:		Core recovery te	ļ									
	4 3				1	4	5	5		60cm/170cm Clay with fragment No hard fragment										4
												$\vdash$						İ		
	5	Shale				T			C	SHALE Core recovery is low										6
	6 -			-1,342	pe u		3	4		with dark irregular band										6
	141				pplxred	3	1	5		Fragment core										
	7						L				62									7
		Se			PREE			2		Medium grained SANDSTONE	Lu-18	6.7	4.							1
	8		111		<u> </u>	_		_		SHALE	_ 3								28.7m	8
	9		Ш				2	2	İ	Poroum near 29.5m									1264 (MIN)	ę.
	-				ddxp	1	1	1		Core recovery is about	-									عللته
	30				5		3	3		60% from 27.5m to 30.0m										30
	1 :	S					•					1	1	1			1			F .
	1 -				À X			3		With black band Sandstone lamina						ļ				E '
	2-	•	<del>                                     </del>		<u> </u>	1	一			Medium grained SANDSTONE										2
	2-	detone			)XSV					5cm irregular shale lens at 33.2m	4									
	3 -	Sand	<b> </b>		∭ &			2		Brown crack at 33.3m Upwared fining at 33.55m	[ 4	1 .	83							3
	-	5	$ \mathbf{m} $			2				1-4cm Se lene, 5cm zone of res, with olay at 33.95		,	ιά			1				Ė,
	4		T:	HH		1			1		1									<b>-</b> 4
	5 -				∭ ×ã				1.	Laminated SANDSTONE										-5
	-	1			<b>II</b>	-							1	-		-				E
	6	1	.'.				2			With purple shale patch									ļ ,	-6
	-	tone								about icm in diameter Oney below 35.5m Bedding at 10' to 20'						:				1
	7 -	Sandstone	•		╢.			'	1.		ي ا				'					E 7
	8 -	T S	.								Lu=1.6	8.04	1			.			28.7m (37.9Qm)	8
	.	7			創 -			1		2cm shale at 38,75m	. 1	~								
	9 -	1																		9
	<u> </u>	7				'				1cm shale at 39.7m									1	£ 4.0
1.713.00	и 40	1	<del></del>	MADO P	<u>'A</u> -	1	1	+	14-6-	> drillor's note < k). 2 (exhatistic). 3 (piece), 4 Hraqmont). 5 (grain)		<u> </u>	٠	1	EF	) )	<u></u>		 A	<u>r 40</u>
		11/1		1/2 F	N	. 1	1	1 mar	- 51										F) ADMENT	00 12-

0F01 0010 1 00 0F 55" 1 11	
GEOLOGIC LOG OF DRILL H	

Se Konj	Rive	er Ba	sin P	ROJE	CT		<u> </u>		HOL	E No		X١	7-3		•	1	SHEE	T 3 o	ſ 3
LOCATION	Xe 1	anno	y Damsi	te				DI	EPTH OF HOLE 60.0		Æ	_	COMMENCE	D _	2-	12-	1993		
	753			. ,			1		RECTION OF HOLE 90'			<b>.</b>	COMPLETE	D _	13	-12	199	3	<u> </u>
COORDINATE					· .				RE RECOVERY 88.9		*	-	DRILLED I	BY		. : :	: -		, .
	Y:81	6639	21	<u> </u>				D)	RILLING MACHINE KT-100			-	LOGGED B	Υ _	<u>:</u>				<u> </u>
₹ _	IME		RY	- 1					RVATION OF CORE		ī	EST	ING	l u l		중	<b>5</b> _		
ELEVATION	ROCK NAME	106	CORE RECOVERY	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Pmex	90	DEPTH	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L (Dpt.H)	DEPTH
40m		·	0 + 100 <sub>%</sub>								Kgf	/cmi			-		×		40m
2	Ale Sandatone			pplxred gray	2	2	1		Laminated SANDSTONE with shale patch Shale band between 41.65m end 41.75m  Chicaracus  SHALE  SANDSTONE lamina between 44.0m and 44.3m	[.u=1 .43	9.01	6.01						29.2m (41.20m)	2 3
4	Shall			(lee		3	-		Correlate to the depth around 18m of XN-2 Hole Calcareous										4
9 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)				grey	2	2			Medium grained SANDSTONE With shale patch mich jour thick purple shala bad from 45.5m to 46.7m	u*2,53	7.93	5.93						29 Sm (46 70m)	6 7
8 9	•			<b>730</b> 74					Fine grained SANDSTONE	, T									8
50 -		•					1	a	Medium grained SANDSTONE Laminated	Ī	1	1							50
1 3	Sandatone	•					,												- 1
3 3 3 1 1 1	võ			sh grey					Lamineted at 20° to 30°	Lu-1.82	8 05	6.05							- 3
4 to				purp 11sh			2												- <b>4</b> -5
9 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									Som whole at 57.5m	37	0							28 5m 56.com)	-6 -7
603.00 60	Shale			pplxred			5		SHALE with caldite patch White trequing shaped patch up to 3cm	Lum2.	10.4	7.99							- B - 9
					1	******	liter di	44(4) -5 (4)	o differ's seto c 2 Indestrict, 3 press), 4 th appeals, 6 (grain) NJ	<u> </u>			E	:P	D	C	40	£	60

Sc	Kong	Rive	er Ba	sin l	PROJE	CT			•		HOI	E No		XN	-4			13	SHEE	T 1 0	( 4 )
LOCATIO									DE	PTH OF HOLE	80.00		M		COMMENCE	D	3-	1-19	994		
ELEVAT	10N	754	.00	·			. 1	<u></u>	DI	RECTION OF HOLE	90'			. •	COMPLETE	D _	21	-1-1	1994		
COORDII	NATE _	X:E	67246		٠					RE RECOVERY	76.6		*	•	DRILLED			one			·
		Y:N	16647	60				·		HILLING MACHINE	D-900			. !	LOGGED B	Υ.	Ho	shi			
₹	<u>.</u>	AME	c,	<u>ج</u> ا	-	٠		(5	0858	RVATION OF CORE	*	+		EST	NG	교	9	NO.	¥E E		
ELEVATION	ОЕРТН	ROCK NAME	רס	CORE	COLOR	WEATHER- ING	HARD	SPACIN	FVALUATE	DESCOL	PTION	LUGEON	Pmax	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL	6.W.L (Dpt.H)	DEPTH
754.00	Om		.,	0 + 100									Kgf	/cad	, , , , , ,				х		Om
754.00	ا مىلىدىداد		\ \ \ \		red	5				Strongly west Residual soil											l
	2		V		$\parallel$					Few hard frag	sments										£ 2
	3 4	-	>  >		brnxgrey	5	5	5	c	below 1.9m Strongly weat	thered	]		1			1		,		وريانيونانيونانيونانيون
	5		\ \ \					2		BASALT											6 6
	6 -		V.							Cracks stains yellowish bro or greenish a	OWN:									· .	6
	7		Y									١									7
	8 7		V							. •		Lu=0.26	9.6	1							8
	9-		V	3		2						Ä									9 1
	10-	Bassit	V		k grey			3					_								10 10
	1 -		V		dark	,	2				٠.										
	2 -		V						В			LO.									2
	3		\ \ \			3					Ta.	Lu=0.5	5.7	1		٠.				4.8m (12.70m)	3
	4 -		V	<b>333</b>																	4
	<b>δ</b> -		V					2		Porous below	16,2m										5
	6-		V			-		-	-	Pore is bigge	or										6 نظامیسطند
	7 -		\ \ \		black					up to 3cm ao below 15.5m	ross	ø	-								. 7
			V			+	$\vdash$	3				16.	5.7	3.7							
	8-		V		ğ	2	2			Sem thick blue 18 65m White couting		Ē	-								8.
	9 -		V		D1k	3	3	4	Ь	No HCl react											9
734,00	20	1	\ \		<u> </u>  -	2~;	2	3	] -	No core from 19.2m to	D 19.7m				<u> </u>						50
					3	Ī	1	1	1 to tie	» driller is note « kl. 2 landetisk), 3 (pleas), 4 (f	raquanti. S igraini	-				EF	) C	<b>)</b> C	10	<b>b</b>	

#### GEOLOGIC LOG OF DRILL HOLE Se Kong River Basin PROJECT HOLE No. XN-4 ( SHEET 2 of LOCATION Xe Namnoy Damsite DEPTH OF HOLE 80.00 COMMENCED 3-1-1994 ELEVATION 754.00 DIRECTION OF HOLE 90' COMPLETED 21-1-1994 COORDINATE X:E672460 CORE RECOVERY 76.6 X. DRILLED BY Y:N1664760 DRILLING MACHINE D-900 LOGGED BY DBSERVATION OF CORE CEMENTATION DRILL WATER RETURN TESTING CORE RECOVERY DEPTH 0 DEPTH RESULT DESCRIPTION 20% PIK Black silty from 21.6m to 21.7m 5cm orange milt at 20.9m 2 Dry surface is dark grey below 23m 3 3 6 6 -Black silty porous Sacalt from 25.9m to 26.4m Э 7.3 Below 27.4m core recovery Very porous above 28.5m

ล ~ White cost at Home cracks 0 30 -3 No core from 27.4m to 27.9m from 28.0m to 28.4m from 29.2m to 30.1m from 30.7m to 31.5m from 32.4m to 33.9m from 34.0m to 35.5m from 36.8m to 37.4m 8 EPDC | ELECTRIC POWER DEVELOPMENT CO., LTD.

Page -
--------

<u> </u>	e Kong	Rive	er Ba	sin	PR	OJEC	<u>T - </u>				···	HOLE	No	<u></u>	XN	-4			1.9	SHEE	T 3 of	4 1
LOCATI	ON _	Xe i	Vanno	y Da <u>m</u>	sit	<u>.e</u>	·		_			80.00				COMMENCE	-					
ELEVAT	ION _	754	.00						_	DI	RECTION OF HOLE	90.			(	COMPLETE	D _	21	-1-	1994		
COORDI	NATE	X:E	67246	0 -					_	CO:	RE RECOVERY	76.6		1		DRILLED	_					· .
4.04		Y:N.	16647	60						DR	ILLING MACHINE	D-900			.!	LOGGED B	Υ			,		
ž	_	Y.		2	=				0	BSE	RVATION OF CORE			T	ST	NG	ш	5	NOIL	NE N		_
ELEVATION	ОЕРТН	ROCK NAM	907	CORE	XECOVE	COLOR	WEATHER- ING	MAXI	SPACING	EVALUATIO	DESCRIP	TION	LUGEON	Рмях	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER RETURN	G.W.L (Dpt.H)	ОЕРТИ
714.00	40m		V	0 10	% 			_	_		BASALT		_	Kgf.	/cml		_		<u> </u>	<b>%</b> .		40m
	1		<b>&gt; &gt; &gt;</b>			black	2 1 3	3	3 1 4		Pores are not and small	donse										1
	3 3 3		V V			19 19	S S	1 2 2	4		Yellow green some cracks	cost on										2
	4	Besalt	<ul><li>V</li><li>V</li><li>V</li></ul>			19 19	2-3	57~3 52~3	4	1	Breccia like	at 40.4m										4
	6		V V			1 19	3 3	2 3	3 - 4	Ф	No core from 41.5m t from 42.75m from 43.4m t from 44.2m t from 45.1m t from 46.25m from 48.0m t	to 42.95m o 43.7m o 44.5m o 45.5m to 46.8m										ة ق عباريونانيونانيونا
	7 - 8 -		\ \ \ \			9	3 2~3	2 3 2~3	3-4													8 8
	9	P P		┧		<b>80</b>	2~3 3	2~3	3		Medium graine	d SANDSTONE	-							}		-9
	50-	Sandstone				grey	3	3	3		Cimyey shale below 50.2m				1							50
		SH S	Hiti			<u> </u>	1	134	1		SHALE			<u>'</u>	'							
	1 -					xgy oxl.	3	3	2		SANDSTONE IAM medium graine Yellow stains	d d in part					-					المسابلسية الم
	3 -								4		Medium to Coa SANDSTONE	the second of										3
	4 -					XO.L		2			Laminated											4
	5	Sandstone				light a	2	s	2													5 5 6
	7	s			73	<u> </u>		3	3	В	Yellow SANDST up to 3cm thi near 57.2m ar	ck .				. :						7
	8					2.5	1				Yollow groy 5 15cm thick of	SANDSTONE of: . 68.2m										8
			.		$\  \ $	·.		2	3		from 58.2m to	58.4m										
en. ~	9					Sr ey	2	3	3 5		Cracks stains at 58.7m	ed brown										in a
<u>( 594.00</u>	<u> 1 60 </u>			1/2	7	1	1	1	1	سور ا	o drillor's auto « ti. 2 laubstieti. 3 ipiesei. 4 iir	senenti fi imalai	<u> </u>	<del>!</del>	4	·		) )	7	3 6	<del> </del>	F 60
arta di t		(4)		1/1	E	-	: 1 		l there	9~5 is				- * *		_					P ELOPMENT	CO ITO

GEOLOGIC L	_OG	OF	DRII	LHOLE
------------	-----	----	------	-------

Se Ko								- "		HOL	E No		XN	-4			1	SHEE	1 10	<u>( 4 )</u>
LOCATION	Xe	Namno	oy Dams	ite				DI	EPTH OF HOLE	80.00		2	_	COMMENCE	D	3-	1-1	994		42125
ELEVATION	754	1.00					1	D)	RECTION OF HOLE	90'			_	COMPLETE	D	21	-1-	1994		
COORDINATE	X:I	67246	30		N.,	•		CC	ORE RECOVERY	76.6	÷ .	1		DRILLED	BY				·	
	Y:N	116647	60					DF	RILLING MACHINE	D-900			_	LOCCED B						
		T ·	1	7				<u> </u>	RVATION OF CORE		T	Ť	EST		_	<u> </u>	×	_		
ELEVATION DEPTH	ROCK NAME	507	CORE	COLOR	WEATHER- ING	HARD- Mess				TION	LUGEON	Pmex	<u> </u>	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATES Return	6.W.L (Opt.H)	DEPTH
601	m)		0 → 100									Kgf	/cel				Ŭ	×	<u> </u>	60m
694.00 1	milanifanijani			.gry grey	2	2	2	•	Medium to com SANDSTONE lami No HCl remetic above 62.8m											1 2
3	sılındındı tone			I					No core from 62.6m to	64.4m										13 4 15 4
5	ufunhahaalaahu Sandstone		X		2	3	3		Fine SANDSTONE purple whale ; and culcareous No core from 64.7m to	etch Patch										5 6
7	uturijani			pxr	2	3	2		Upward fining SHALE to fine grained S with pale calc Strong HCl res No core	SANDSTONE ofte patch			1.					,		7
9 70	hale			pwr d.r	5	3	3		from 67.0m to SHALE Core shape is				ŀ							9
2	باسياسياسينينين		N. S. S. S.	PXT	22	2~3	2~3	b	No core from 70.25m to Fine grained S with irregular	ANDSTONE										1 2
3 4	dundundundundun rtone			1.87	2	2	2 1 3		Medium grained lamina at 20 Cross lamina i No HCl resctio	SANDSTONE D Part										-3 -4
6	dankaakaskaakaa Sandston			J. P	5	2	8		Fine grained S (Muddy) Few irregular patch											-6 -7
9		• • • • • • • • • • • • • • • • • • • •		y 657 857	2 2	3 27 27	3 2		Medium grained Dark grey lami Strong Hol rea	na :										8
674,00  80	1	<del>1 - •</del>		<u> </u>	1	3-	herd		o drillor's moto q D. 2 loudeticki, 3 tylocol, d Hrog Hi				7		-		• • •	<b>  d</b> #)	OPMENT O	80

Se K	ong Ri	ver	Ba	sin	PROJE	CT					HOLE	No		XN	-5			15	HEET	` 1 of	3)
LOCATION	<u>Xe</u>	Na	no:	y Dams	ite						60.0		Ø.	. (	COMMENCE	) _	22	-11-	1993	}	
ELEVATION		15			·		2	<u>.                                    </u>		RECTION OF HOLE	90"				COMPLETE	0 _	2-	12-1	993		
COORDINAT					•					RE RECOVERY	91.5		*		DRILLED 1	_		ongs			
	<u> </u>	N16(	648	70							D-900	·		· 	LOGGED B	Υ		shin			
S Z	.   B	١.	ا .	<del>}</del>	$\vdash$	ند			_	RVATION OF CORE		_		EST	N G	E.	5	TION	HER SH	·	<u>.</u>
ELEVATION	ROCK NAME		2	CORE	COLOR	WEATHER	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIP	TION	LUGEON	Pmex	Pc	DEPTH RESULT	BIT TYPE	CASING	MENT	RETU	G.W.L (Dpt.H)	ОЕРТИ
		4-		0 → 100		*	₹	200	E			-		/cml				33	ž %		Om
735.00	0m]	+	П		<u>*</u>	+	<u> </u>			SHALE	· · · · · · · · · · · · · · · · · · ·			, CHS					*		- 0111
	. 1 . 1				ll E					No water drill	ling										
	<b>'</b>				p.o	1:															
,	2 4		Ш							No fragment al	bove 2.2m										2
	1				To	1				From 2.2m to : few fragment	2.5m										1
	3 ]				L red					TOW IT ABNOTE											3
	Shallon Shale				purp] ish	5	5	5	c	*									.		Ε Ε 4
	•				ll ž												ı				
	5					-				Fragmental con	re below			1			'				5
	4				ج					5.0m				1							عنىلت
	e i				PXT+3																6
	, ]					1		ŀ													t t t-7
	3	1			,	3	3	ŀ	<u> </u>	SANDSTONE Core recovery	i fe										
	e nlundunia Sendetone	-			PXGT 6.7	1	3	4		Core recovery about 50%											8
	Sen	-	•		3	4	4														
	9 5		П		L X		4			SHALE Broken by hend	d,slaky										9
,	٦	1		ЩШ		1.			b	Medium grained	SANDSTONE										10
	, d		•		87.00	3	3	3		Laminated	· ·										
	1 4				ă		4														1
	1		•		$\parallel -$	-	-	ļ													1
	2 1	.	•		er ey							9									2
	3 1	.	•		-					D1 1		9 - 7	5.5	3.5							- a
	1		•			1				Purple grey lo	emine.	7									
	4 1 9		•																		-4
	o Lumboudoud Sandatone		•					1													
	Sand		. •		grey					purple shale 0 5cm thick	•		_								5
	6	•			111 .	2	2	2		near 13.5m de	op.										-6
	, 14 14	.	•		PUTP 118h																ľ
	7	.	٠.		1 2					Lamina at 20		8.8	_	1							7
	THE R	.	٠.		1							Lu=0.8	5.81	3.81		.					
	8 4	.	٠,									រ									E 19
	9		•		<b>#</b>	-				· · ·											9
	andlu		•		1 3											:					-
715.00 2	o i .		•	1343543 17/1	<u> </u>	1	1 -	<u> </u>	L	r driller's note 4		لـــا	Ļ	لـــا	: -	لـــا		L		:	20
	. i.	- 1 - 7 - 7	er Visit		Ά	_	1 117 000	l there	) - 6 je	2 Installatel, 8 bissel, 4 line	ementi 5 lereini	•			_				DEVE	LOPMENT	CO LTD

S	e Kon					ROJE(				· · · · ·		<u>E No</u>	•	XN	+5	- 5-	· .	4	SHEE	T 2 of	3)
LOCATIO	ON .	Хe	Namno	oy Dam	si	te				DI	CPTH OF HOLE 60.0				COMMENCE	) <sub>[</sub> _	22	-11	199	3	- 1.
ELEVAT	ION	735		<u> </u>				•	<u> </u>	D3	RECTION OF HOLE 90'			•	COMPLETE	) _	2.	12-	1993	1000	
COORDI	NATE	X E	67270	60						CC	RE RECOVERY 91.5		X		DRILLED (	3Y _		<u> </u>			
		Y:N	16648	870		4	:			DF	RILLING MACHINE D-900				LOGGED B	1					
22		ш		١,	_ [						RVATION OF CORE	Ī	T	EST	ING	_		×	<b>~</b>		
ELEVATION	рертн	ROCK NAM	507	CORE	KECOVEK	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Рмех	D C	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATE RETURN	6.W.L (Dpt.H)	ОЕРТН
715.00	20m	<u> </u>		0 → 104	2					<u> </u>			Kgf	/cs					×		20m
1,0.00	1	Se				à	5	2	.2		20.3-20.5m gravel band Lamina from 15. to 20		. 81					:			
	1 -			幽川		-	3	S-63	3	ľ	SHALE	<b> </b>	2	8							1
							Ť	~~			Fragmental										
	2 -	e e								ı.	Low core recovery Soft in part										2
		She 1					,	9			No core from 21,35m to 22,75m		1								
	3 -	V)		翅川		Ģ	2	N-ES CI	. 4	<u> </u>	SANDSTONE between 23.3m and 23.6m	ro.	6	Œ							- 3
	4					<u></u>	2	2			Pale irregular lens No HCI reaction	0=7)	5.8	3.89							
	7		Ш			7883	3	3			Laminated, sandy below 24,2m	] 🕍									-4
	8		•						:		SANDSTONE Dark grey laminated										5
ĺ	1441		٠.								Fragment with clay between						: :				
	6					አ			2		24.7m and 24.75m										-6
	1	Sendstone	· .			gr.ey			•												
	7 -	Pu			Ш	ar t		2			Laminated thin(1cm thick) whale with clay film										7
	1	ห้				-					at 26.8m							20		27.7m	
	8 7			HH	翔						Dark shale patch ut 27.3m	10	ır.	Ŋ,						(Pina))	-8
	9 - T		• •									3	10							·	
											SHALE										9
	30 -	Shale				PKE		2	3		Soft at 29.5m shows staking Clay coat between						1.1				-30
1	-	ર્છ				φ.		3			29.1m and 29.2m Irregular white lens	$\vdash$	1	T				,	ĺ		
1	1 =		Щ			·····			-		or bends SANDSTONE							-			- 1
			٠.							A.		١.,									-
	2~	· 2					2				Laminated at 33.3m and 33.8m		:								- 2
		daton				à			2		TO VOTAM GIAG BOTOM	.28	<b>8</b> 0	8							
	3 -	Sand	٠.			S.						Lu-1	99.	4	:						-3
	4 -	W.	ļ.`.	H																	
			١.,																		4
	5 -		Ш	HH							SHALE										- 5
						P		2			Wound lamins or irregular lons of sundstone rich					•			."		
İ	6 -					X.									a e						-6
					Ш	υ			.1		`.										
	7 -	916			$\mathbb{H}$						White irregular langes							·			7
	, Treet	Sha 1							1		whow HCl strong reaction below 35.3m		1					٠.,			-
	8					b b			5		Purplish red shale						:				-8
	9 -					Dx1 dc					between 38.2m and 38.5m			.						•	
	1					•								ļ						1	. 0
695,00	40		Ш	IMAN I	M		Щ	Ļ	أبيا												40
					1		1	1.			> driller's pate 4 2 inshetiek: 3 (pleast 4 ffragment) & (grain)				E	P		C	(4)		
			. •	Ĥ "	L,	POF 9 704	<b>n</b> 1	ifr ear	J - 5 to	1 - 6 les	nu pord	+ 2 - 2 +			_			·		LOPMENT C	O LTO.

Se Kong River Ba	sin PROJE	CT .			KOLE	No	<u></u>	_XN	-5	<u> </u>		15	HEE	T 3 of	[ 3 ]
					PTH OP HOLE 60.0				COMMENCE	) _	22	-11-	199	3	
ELEVATION 735					RECTION OF HOLE 90				COMPLETE						
COORDINATE X:E67276	80	<del></del>	<del></del> -		RE RECOVERY 91.5		*	-	DRILLED I	3Y _		•	•		
Y:N16648	370			DF	ILLING MACHINE D-900			-	LOGGED B	Υ _	·				
A A A SON		13 1			RVATION OF CORE		1	EST	NG	ÞE	5	TION	2. 2.		+
ELEVATION DEPTH ROCK NAME	CORE RECOVERY COLOR	WEATHER- ING HARD-	CRACK	ROCK Evaluate	DESCRIPTION	госеон	Равх	Pc	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	ORILL WA	G.W.L. (Opt.H)	ОЕРТН
40m	0 + 100 <sub>%</sub>				SHALE		Kgf	/cei					%		40m
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			3		Irregular while petch is calcareous showing strong HCl reaction	Lu=0.1	8.51								2 3
1 2 9 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	reddish purple	2 2	3 - 4	e.	Sandy materials along cracks  Sandy from 41.7m to 4).8m showing HCl reaction  Shele at 43m shows slight slaking  Clay with fragmont between 49.1m and 49.2m  Greenish yellow and grey patch between 48.2m and 54.0m Showing no HCl reaction	Lu*1.99	10.4						Andrew Control	2.6m (50.50m)	5 6 7 8 9
State State	ddish purple pxgy		3		Medium grained SANDSTONE No HC1 reaction  SHALE Purple SANDSTONE between 53.1m and 55.5m  Laminated SANDSTONE below 59.35m Lamina is inclined at 5 degree from 59.75m:to 60.0m	0.52 Lu=3.72	54 8.75	04 6.26				The second secon			2 3 4 5 6 7 8
9- SS		1 1	1 Pard		SANDSTONE laminated at 5. > erfler's note 4 . 2 endertiet 3 spicest 4 ffreignent). 6 (grain)	Lu*0.	8	9	E		)C	C	: <u> </u> e#	)	- 9 60

GEOL.	OGIC	OG OF	DRILL	HOLE

	e Kong					ROJE(					the state of the s	E No		XN	-6		<u>: :</u>		SHEE	<u> </u>	( 3 )
LOCATIO	-										EPTH OF HOLE 60.0	· .	B	-	COMMENCE	D	22	-11	- 199	3	
ELEVAT	ION .	735	<u> </u>	<u></u>		,	· .		<u>.                                    </u>	DI	RECTION OF HOLE 90'				COMPLETE	D _	30	-11-	199	3	
COORDII	NATE	X:E	67298	0		· .				CC	RE RECOVERY 94.6		X	_ :	DRILLED	BY .	Th	ong	say		
	_	<u>Y:N</u>	16648	40						DF	ILLING MACHINE KT-100			_	LOGCED B	Y	Но	shi	no		<u> </u>
- Z		끻			۶				(	BSE	RVATION OF CORE	Ī.	T	EST	NG			8	=		
ELEVATION	DEPTH	ROCK NAME	LOG	CORE	RECOVERY	COLOR	WEATHER- ING	HARD- NESS	CRACK	ROCK EVALUATION	DESCRIPTION	LUGEON	Pmex	Po	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATE	6.W.L (Dpt.H)	DEPTH
735.00	0т	3 4		0 → 10	×0.								Kgi	/cml					×		Om
735.00	1	H	Δ			£					Talus deposits										
	1-	J	-		Ш	dra	5	5			Strongly weteared SHALE										[ ]
	4	Sh	Ш				3	D	5		SANDSTONE	1 :		٠.				9.5			
	5 4		•		Ш	pxc83	4	4	ъ	c	Broken by hand			ļ.			11 1 1 1				2
	4						-					] :					-: -				
	3 4		•			2683	4	4	3		No core from 2.45m to 3.0m		1	ı							3
	1		٠.	3		<u>ā</u> _	-	_	4		7. 40m co 3,0m	'		,1							
	4 1	ļ																,			4
	2 T		· .		7						Medium to corse grained										
	,		•		Ш		3	3	2	b											5
	6-											1				::::	er .				6
												<u> </u>	_								
	7			棴											4.1		1				,
	11111								:			ł		ļ.					-		
	8 -	0									The sections 5.3-5.5m	9.3	80						•		8
	7	Sandatone	,								9.7-9.9m,10.0-10.2m provide no core and supposed to be moftened	Lu=49	10							ž.	
	9 -	Sen	'.'			grey.					grey shale	1									9
			• •			۱ ـ	1		1											·	
	10-4					11gh						-		-							10
	1 -		<b>.</b>			-		·									·				
	-		•		M			5	١			ŀ									[ ,
	2 -				H		ŀ				Creok at 12.4m stained	8						: -		7.23m (12.00m)	2
	1		• •		捌						brown Dark grey lamina at 20'	8.52	37	7.6						(12.00m)	
	3 -					ļ 1			2			1	70	9.							3
							2			'n		"	1								
	4			1	ЯΠ									1	1.5						4
					ИII											. ,		- :			
	5 -				Ш						:	$\vdash$	Т	T					.		5
	6		,,,			<u></u>						_		- <u>'</u> -							
	"	e		翢	$\  \ $	87ey		2			SHALE	-								11	6
	7 -	Shale		翢		í		3	3 -		Green whate patch						. :				7
<u> </u>			Ш	棚	Ш	dark		<u> </u>	ļ. <u>.</u>		MILLS.	9 2	7.6	9.							
· ·	Ð -	و	•		Ш	8rey					White medium grained SANDSTONE at lower portion grades	Lv-22	5.7	3.7				- 2			8
	-	stone			捌			_	1		to gray muddy dark SANDSTONE	12									
	9-	Sands	••	W		07/40		2	2		at upper portion		•	.						19.4m	9
715.00	20	V.	$ \cdot $ .	掤		81.		1												(Final)	
	_ <del></del>			Й	<u> </u>	<del></del>	$\overline{\top}$	1	+	<u>.</u>	h drifter's entere	۰	-	<del>ان با</del>					لنا دما		20 1
		٠.		1/2	K)	] - sers le	••		l mere	1 - 5 te	U. 2 tindetieki. 3 lpinesi, 4 tiraquenti, 5 lgraini efti pseudi				-				DEVE	LOPMENT (	CO., LTD.

	e konj				KOUL			<u>.</u>		NULL			ÄN					SHEE		[ 3 ]
LOCATIO				y Damsi						PTH OF HOLE 60.0				COMMENCE	_			<u>-199</u>		
										RECTION OF HOLE 90'				COMPLETE						
COORDII	NATE .									RE RECOVERT 94.6				DRILLED						
			16648	40					_	HILLING MACHINE KT-100				LOCGED B	Υ_	,	<u> </u>			
- Š	Ξ	AME	U			à	8		BSE	RVATION OF CORE	2		EST	NG.	H	9	100	ATER		E
ELEVATION	DEPTH	ROCK NAME	٦.0	CORE		WEATHER. ING	HARD- NES	CRACK	EYALUAT	DESCRIPTION	LUGEON	Pmex	o d	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL	G.W.L (Dpt.H)	0EPTH
715.00	20m			0 → 100 <sub>%</sub>	1-			·	_		1	Kgf	/cal		_	<u> </u>		*		20 m
	J. C. C. C. C. C. C. C. C. C. C. C. C. C.	Sandatone			light grey			3		Virtical crack between 20.6m and 21.3m	1	.							·	1
	2	W.			red					SHALE with irregular patches in upper part	Lu=1.31	6.13	4.13						*	2 3
	4 5	Shale			pplxred/derk			-		Purple Sandstone in lower part (Upward fining)						-	-		:	4
	6				Idd			2		irregular white patches are poor above 23.0m	ĺ	1	_			÷				6
	7 (***)	Sandatone			Sht grey			<b>S</b>		SANDSTONE  Brown crack HCI reaction above 26.8m	Lu=6.75	60.9	4.09							7
	9	Š			17			Э		SHALE	1									9
	30				]	2	2		8	From 29.3m to 30.70m dark purple shale to 30.75m Sendatone										-30 -1
	2	a.1.e			dark red					to 30.75m Sandatone to 31.10m d.p.shale to 31.70m shale with irregular lene to 32.1 m No core to 32.5 m d.p.shale to 32.5 m white Ss	2.7	.13	.13						13.5m (32.00m)	2
	3	Shall			pplxred/			1		to 32.6 iii wiitte os	Lurz	6	4						. :	3
	5							2		to 35,7 m purple shale with irregular spot and sandy layer										5
	8 -	e co			99					SANDSTONE										ى مايىسىلىسىلىد مايىسىلىسىلىد
	7 - 8 -	Sandston	· · ·		pplx			1		familiated at 15°	Lu=5.73	6.15								;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
	9-	Sa. ah			pplagrey			2		Change from top to bottom from SHALE through muddy SANDSTONE to medium grained SANDSTONE				:						6 9 9
695.00	40	1	1	BARAN I	<u> </u>	1	1	1	L.	> Grater's nete <	L	<u> </u>	<u> </u>	L	L	L :::		<u> </u>	<u> </u>	40
	i Santa			日於	1	· [		i there	P-6 to	J. 2 (autotiak), 3 (piece), A (fragment), 6 (grain) 9717				_				<b>4</b>		
						-	i ffr se	m-51	docom					El	LCIR.	nt P	UWER	LIEV.	ELOPMENT	CO 1TD

				asin l		CT					HOLE	No		XN	-6				SHEE	T 3 o	f 3
ATI Vat	•	<u>Xe</u> 735		y Damsi	ite			 6		EPTH OF HOLE  IRECTION OF HOLE	60.0 90*		Ñ		COMMENCE				<u>- 199</u>		
	NATE .			30				<u> </u>		ORE RECOVERY	94.6		*	-	COMPLETE Drilled	•	30		-199	3	
		Y: N	16648	340						RILLING MACHINE	KT-100				LOGGED B	-					
	H.	AME	S	ERY		i.	ر ا			RVATION OF CORE		Ŀ	Γ.	EST	ING	<b>W</b>	G	NOL	E E		_
	рертн	ROCK NAME	۲ 0	CORE		WEATHE	HARD	CRACK	ROCK EVALUATI	DESCRIPT	NOI)	LUGEON	Pmax	o O	DEPTH RESULT	BIT TYPE	CASING	CEMENTATION	DRILL WATER	G.W.L (Opt.H)	бертн
ю	40m			0 <b>~</b> 100,		_	-						Kgf	/cml					×		40π
	1.1	ę,			Kgrey			8		Same as above											مسلس
	,	SS			pplxgr																i i
	2 -	****			9			2		SHALE		.16	E)	3							2
	3 1	6			DX D					Sandstone lens (up to lem this above 42.9m	and lamina ck)	Lu=0.1	6.13	4.13							-3
	المانات	Shale			9			2													
	4 1				dark.pplxr			3													4
	5 1		Ш		rate o																5
	. 6. Januari		    -							SANDSTONE Greenlah				-			٠.				direct G
	1											,		ž.							
	2 4											Lu=0.5	6.02	1							7
	8 4	e Co	ļ.,		à					Lamino at 6'		· Lu									8
	9 4	ndatone			1 5			1													
	1	Ñ			1.5							<del></del>	1							13.2m (49.00m)	
	20 J					2	2	1	В		:	-								( <b>499</b> .004)	- 50
	, ,		٠,٠					ľ													1
	ى ساسىدىل														•						-
	, 444							2		SHALE		.84	6.12							,	- 2
	3 44				parxe.					Dark purple SHA with white irre		[ בַּיַת	θ.	1		·		٠		:	3
	د ا ئىدىبىل	Sha 1e			d.b/be					sandstone lens with strong HC above 54.0m	İ								1		-4
	بنطعمه	v)			pxred					Purple Irregula between 64.0m a	ar band and 54.5m						.				
	e Junta									Purplo SHALE be									-		- 5
Ì	ب برما برما		• •							SANDSTONE											-6
ļ	2							!		Lowinstod	1										7
	4	Sandstone			à			١		Bluck patch										) 4m (57.30m)	<u>'</u>
	چ بامنىلى	Sand			80	ļ ļ		,		Eroston surface	. al 58.05m										- 8
	9 -1									Lamina up to 16	oʻ			. [							- 9
Ì	80 4									END of HOLE								-			:

## 3.4 Data of Environmental Impact and Compensation Survey

Table I	Land Use Classification in the Project Area
Table 2	Agricultural Land in the Reservoir Area
Table 3	Village in the Se Kong Reservoir
Table 4	Village in the Xe Kaman Reservoir
Table 5	Village in the Xe Namnoy Reservoir
Table 6	Wildlife in the Project Area
Table 7	Results of Water Quality Analysis (1)
Table 8	Results of Water Quality Analysis (2)
Table 9	Results of Water Quality Analysis (3)

Table 1 Land use classification in the Project Areas ( Hectares)

Features	Xenamnoi		Sekong No 4	-	Xe kaman N	lo1
	Catchmen t	Reservoir Elev. 780 m	Catchment	Reservoir Elev, 320 m	Catchment	Reservoir Elev. 300
I. Current Forest	53960	2912 (35.16)	323921	11974(55.14)	83570	16199(66.93)
Dry Dipterocarp	5700	1000	15680	4268	0	0
Dry Evergreen	0	0	27400	0	0	0
Mixed Decidous	5520	452	280841	7706	83570	16107
Gallery forest	37240	1460	0	0	0	92
Coniferous and Mixed	0	0	0	0	0	0
Coniferous/broad leave	5500	0	0	0	0	0
II. Potential forest	920	72 (0.86)	75620	4052(18.65)	5680	1429(5.9)
Bamboo	0	0	70840	4002	2640	1080
Ray (Slush and burn cultivation)	920	72	4780	50	3040	349
III. Temporely Unstocked	0	3836(46.32)	59524	4531(20.86)	77700	6483(26.78)
IV. Rice paddy			<u> </u>			ļ
V. Others	22510	1460(17.63)	2840	1160(5.34)	1240	92(0.38)
Total	77390	8280	461905	21717	138190	24203

Notes: 1. The forest area in the reservoir is not include in the catchment area.

<sup>2.</sup> The number in parentheses shown the percentage of each land use type versus the reservoir area.

Table 2 Agriculture Land in the Reservoir Areas

		and the second		professional and the second
Features	Unit	Xe Namnoi	Sekong No 4	Sekaman No1
Lowland Rice	Ha	0	0	0
Upland Rice	Ha	110	597	65
Coffee plantation	Ha	45	0	3
Tabacco	Ha	12	0	0
Maize	Ha	4	36	5
Potatoes	Ha	3	12	0
Cotton	Ha	4	6	0

Table 3 Villages in the Sekong Reservoir

				Г			1	TIN TOWN NAME AND	Man Nin	Jumpan
, o	Village name	Province	District	Honsehold	Population Northing	T	Eastning	Elevini,	Night No.	- COLUMN
-	Ban pakkayong	Sekong	Canam	26		190 17 16 500	186 93 200	160	D48-22	Surveyed
~	2 Ban hungtai	Sekong	Lanam	15		92 17 21 400	186 90 200	180	z '.	
m	3 Ban hungkand	Sekong	Lanam	16	142	17 21 900	186 91 100	180	=	
4	4 Ban hungnus	Sekong	Lanam	15	104	17 23 500	186 90 400	180	=-	
2	Ban houaviang	Sekong	Kaleum	25	,	62 17 23 300	186 99 700	240	٤,	
9	6 Ban tangkat	Sekong	Kaleum	13		117 17 23 900	187 00 000	240	E	
7	Ban sathong	Sekong.	Kaleum	13	Ì	118 17 24 450	187 09 200	260	=	
00	8 Ban hatvy	Sekong	Kaleum	28		338 17 29 400	186 90 900	200	±,	
6	Ban hanong	Sekong	Kaleum	23		155 17 33 000	186 98 100	280	D48-10	
10	10 Ban paktray	Sekong	Kaleum	20	66	17 34 000	186 96 200	240	<u>.</u> ,	
=	11 Ban hatpe	Sekong	Kaleum	12		237 17 35 500	186 92 600	280	=	
12	12 Ban pakphoung	Sekong	Kaleum	24		126 17 39 000	186 93 400	240		
13	13 Ban trak	Sekong	Kaleum	21		33 17 38 400	186 90 100	240	π,	
14	14 Ban kongtrak	Sekong	Kaleum	27		255 17 41 200	186 88 200	240	± i	
15	15 Ban kaleum	Sekong	Kaleum	-23		250 17 40 800	186 87 700	240	±';	
1,6	Ban bountan	Sekong	Kaleum	17		109 17 42 600	186 87 700	280		
1,	Ban kloung	Sekong	Kaleum	9		110 17 44 700	186 89 800	280	•	
18	Ban tongkay	Sekong	Kaleum	15		98 17 42 300	186 82 900	240		
19	19 Ban paksay	Sekong	Kaleum	28	85	17 42 700	186 81 100	280		
20	20 Ban bak	Sekong	Kaleum	12	172	17 48 600	186 88 300	240	<b>=</b> '.	
21	21 Ban longkong	Sekong	Kaleum	7	66	17 53 200	186 90 000	280		
22	22 Ban ploynua	Sekong	Kaleum	17		45 17 50 400	186 88 200	280	=',	
23	Ban ploytai	Sekong	Kaleum	18	211	17 50 300	186 84 700	280	= '	
24	24 Ban kado	Sekong	Kaleum	17		110 17 51 900	187 01 500	280	÷,	
	Total			438	3557					

Table 4 Villages in the Xe Kaman Reservoir

Š.	vo. Village name	Province	District	District Household Population Northing Easthing	Population	Northing		Elev(m)	Elev(m) Map.No.	Remark	
-	Ban hindam	Attapu	Sanexay	20	151	151 16 57 400 187 33 550	187 33 550	150	150 D48-35		
2	2 Ban donkhen 1	Attapu	Sanexay	8	93	93 16 63 300 187 39 500	187 39 500	140			
6	3 Ban donkhen 2	Attapu	Sanexay	10	103	103 16 63 300 187 39 550	187 39 550	140	- 4		
4	4 Ban donkhen 3	Attapu	Sanexay	7	75	16 63 700	75 16 63 700 187 40 150	140	, u.		
5	5 Ban daklom	Attapu	Sanexay	29		16 68 200	167 16 68 200 187 32 500	200	-	Surveyed	
	Total	-		74	589						-

Table 5 Villages in the Xenamnoy Reservoir

										•
Š	No Village name	Province	District	Honsehold	Household Population Northing		Easthing Elev(m) Map.No.	Elev(m)		Remark
	Ban vonamony	Champagak Paksong	Paksong	24	108	16 95 800	108 16 95 800 186 72 400	760	D48-34	
	Call vertering	1000	6				00000	1	-	
~	2 Ben namtiang loum	Champasak   Paksong	Paksong	25		16 63 500	150 16 63 500 186 76 900	760		
	3 Ran namkong	Champasak Paksong	Paksong	42	171	16 57 500	171 16 57 500 186 89 700	740	740 D48-46 Surveyed	Surveyed
	4 Ban nonchom	Chambasak Paksong	Paksong	26		16 52 500	150 16 52 500 186 70 300	260	ŧ	
	3	Champagak Paksond	Paksonn	21	58	16 55 900	89 16 55 900 186 74 500	740	e <sup>1</sup> ,	
	6 Ban houavsov	Champasak Paksong	Paksong	72	350	16 56 300	350 16 56 300 186 68 000	760	= 1	
	Total			210	1018					

Table 6 Wildlife in the Project Area (Interviewed with local residents)

Wildlife Habtat	Wildlife Species
Se Kong No. 4 Area	Common species
Regrowth and savannah forest, riparian vegetation and water.  Dense forest cover in upper basin;	Elephant, gaur, banteng, green peaflow, primates deer, wild pig, tiger, black bear python, birds.
declared as conserved areas (Vietnam	Rare species (in upper basin)
border)	Kouprey, wild water buffalo, rhinocers, gaur, banteng.  Mekong dolphin (very rare in Se Kong river downstream area).
Xe Kaman No. 1 Area	Common species
Regrowth and savannah forest, bamboo.  Dense ever green and mixed deciduous species.	Wild dog, tiger, leopard, python deer, birds.  Rare species  Some rare species expected in upper basin.
Xe Namnoy Area	Common species
Regrowth and savannah forest, riparian vegetation and water.	Deer, wild pig, tiger, black bear, python, birds.  Rare species  Not existed.

# Lao People's Democratic Republic Peace Independence Democracy Unity Prosperity.

Ministry of Agriculture - Forestry Dept. of Irrigation & Micro Hydropower Laboratory of W.Q.A.

Vientiane, 16/08/93 No. 086/WQA

#### RESULT OF WATER QUALITY ANALYSIS

Parameter		1	2	3	4
Date		20/7/93	30/7/93	31/7/93	1/8/93
Hq		7.06	6.50	7.03	7.19
TSS	mg/l	33	12	50	126
Turbidity	ppm	4.	3	7	12
Color	ppm	0	0	1	2
Conductivity		4.57	0.50	3.60	4.30
Ca	meq/1	0.189	0.00?	0.169	0.202
Mg	. "	0.173	0.049	0.128	0.169
Na	Ħ	0.075	0.010	0.061	0.072
K		0.026	0.006	0.028	0.028
Alkalinity	**	0.209	0.019	0.108	0.354
C1	. "	0.041	0.013	0.042	0.043
SO <sub>4</sub>		0.254	0.022	0.220	0.128
Tot. Hardness	11	0.371	0.049	0.297	0.371
Tot. Fe	mg/l	0.062	0.146	0.102	0.129
NH <sub>4</sub> -N		0.027	0.015	0.017	0.018
PO4-P	"	0.010	0.006	0.012	0.009
Tot. P		0.020	0.014	0.016	0.016
Si	. 11	5.3	1.8	4.4	5.5
COD <sub>Mn</sub>	"	2.620	1.684	2.100	4.050
KMnO <sub>4</sub>	n	10.352	6.653	8.297	16.002

Laboratory of W.Q.A.

Remark:

1. Xekong No.4

2. Xe Namnoy at Ban Latsasim

3. Xekong No.3

4. Xe Kaman No.1

Loberstory of Water Quality Analys Vications, Lee PSR

### 

Ministry of agriculture & Forestry Dept. of Irrigation Laboratory of WQA

Vientiane, 24./01/94 No: .6./94/WQA

#### RESULT OF WATER QUALITY ANALYSIS

LOCATION:

HEC

DATE OF SAMPLING: 6/01/94

<u>Parameter</u>	1	Sekong S	e Nam Noy	Sekhaman
рН		6.77	6.51	7.21
Cond.	mS/m	3.55	1.10	6.7
Alk	meq/l	0.285	0.061	0.649
Hardness	H	0.340	0.106	0.589
Carbon di	io. mg/l	5.242	2.040	4.326

Laboratory of WOA

Cops

## Lao People's Democratic Republic Peace Independence Democracy Unity Prosperity.

Ministry of Agriculture - Forestry Dept. of Irrigation Laboratory of W.Q.A.

Vientiane, 25/2/1994 No. 18/94/WQA

#### RESULT OF WATER QUALITY ANALYSIS

Parameters	Xekong	Xekaman Old	Xe nam noy	Xe nam noy
	at Xekong town	WL station	at B. Lasasin	at Xe Katam
Date	29.1.94	30,1.94	26,1,94	27.1.94
Temperature	19	21	17	14.5
plI	7.34	7.43	6.55	6,64
TSS mg/l	6	8	2	8
Turbidity mg/l	0 .	0	1	0
Color mg/l	.0	0	0	0
Conductivity mS/m	5.04	8.46	1.31	4.41
Ca meq/l	0.236	0.393	0.078	0.167
Mg mcq/l	0.212	0.344	0.061	0.225
Alkalinity meq/l	0,320	0.819	0.052	0.408
Cl meq/l	0.073	0.109	0.038	0.027
SO4 meq/l	0.109	0.042	0.040	0.023
Tot.hardness meq/l	0.448	0.737	0.139	0.392
Tot.Fe mg/l	0.022	0.067	0.081	0.085
NH4-N mg/l	0.020	0.045	0.014	0.020
PO4-P mg/l	0,003	0.002	0.003	0.002
TotP mg/l	0.004	0.003	0.004	0.003
Si mg/l	6.000	8.000	2.600	6.200
CODMn mg/l	0.475	0.467	0.554	0.316
KMnO4 mg/l	5.000	4.000	6,000	4.000

Laboratory of W.Q.A.

Cos

Loboratory of Water Quality Analysis Vientiane, Lao PBR