HOLE NO. B81-15 SHEET NO. 1 OF 2

	P	ROJEC	т	SAPT GAND	AKI PRO	ECT					 -	DEI	PTH	50	M	ELEVATION		7
Ţ.,		SITE		DAMSITE B;	NVER CH	ANNEL	COORDINATE					IXCII	KATION	VERTI		DRILL RIG	TONE, UD-	
===	RI	COVE	RY	9	1.8%		DATE	FROM A	PR 2	TO A	PR.9 '82	DRU	LED	by Kiβ	BALID	R LOGGED	by KUMAZA	VΑ
c.		吾	NO.	ROCK TYPE	COLUMN				SSS- ION	TER &	ROUNDWATER	COL		1177	W	ATER PRESS	URE TEST	
		DEPTH	ELEVATION	OR .	SECTION	1.	DESCRIPT	ION	DOK CL. P	BIT &	CNDWA	RECOV	ERY N	R. Q. D IAX.CORE	Å.	LUGEON A		EPT
Ĺ	1	Ω ;	- 23	FORMATION	\$EC1108				FIC	TIE DIA	1080	36	C#		em	_1950	30 to 5	<u>=</u>
1.	-	1			-2	Above 1	.2 m; Sandy		· .		RIVER WATER							
- [L				9			-		113	LEVEL;		l el			Maximum Com	i emit	14
-	-2			Riverbed	8-6-	Below 1	.2 m; Gravely.				0.8 m above	H	25	1		qi basilder		
·	J_			Sand and	0 0	1 1 N					douge							
í,	1 3		7.6	Gravels.									15					3
F	4				0.0	Includin	g a sand layer						20					-
ľ		4, 60			o_o_o	10.4.	to 4.3 m in de	epth,	4.60	1			15					
	5			Fine Sandst.	111	Yellowis weath	h gray and son	ne		86			30			Meximum	logy the	5
	6	5.93	L		13/1	Laminat		٠.								R O.O (%)		
İ				Very Fine	11.77		0 cm; Purple g	ray and	c _M				ľ					
	7	7.30		Sandstone	9/2/	mude Some pa	iv. Ached and lam	inated.	"									1,7
	8		-	Fine Sandst.	Δ. Δ.	Some gr	eenish gray and	i patched.	1									
4	<u> </u>	8.40			4.4				8 20					1				
	9	9.30		Fine Sandst. and Sitistone	M.	Well lan Bedding	inated. Slip clay: 6 cm	. thick.					l col					9
	E			Muddy	111		ay colored.		c _L	4	lf :							
	10		4.4	Sandstone	1//	10.70	ed and cracky.											10
1	11.	0.75			111	Above 1	1.85 m; Some	groonish	10.75	99			85			P. Applied	Pieceline	
	1 - 1 - 12			·	1//	and r	nuddy; includi	ng) ')					kg/ci	n2)	
Ė	L 12	i.,		Fine	X/	white	calcareous spe	ots.			1		100		ě.	LL CONSC. H	ale of Flow runi	12
	:13	,		Sandstone		White	gray, micaceo	uie.	'		1		Ιœ					13
1	-						d massive.				1							
4	14.			11.1		,			'				100					14
Ŀ	1 15	15.02			12/2	} Lami	nated and pate	hed.]				∞	W				15
	-		- "	Muddy	1/1		gray and mas								P			
ı.	<u> </u>	16.07		Fine Sandst.	V Y		calcareous spe d massive with		•		ĺ.		100					16.
l	17	17. 02		Fine Sandst,	Δ Δ		patches.	<u> </u>]		1		$_{\infty}$		15		17)14	7
ľ	E						ay, micaceous	and		â					10			
	18		'			some	hard.	1.1		٥					14		21	18
	19			Fine to Medium	13					99]					, p		197
			100	Sandstone	177		nated; p. silty and we	i N lamis			ļ. ·							
1	20				1.7		ted in 18.75 to		1				100				11.0	50
	-2t	1			1//			į.	C ¹⁴									
	100				17	}.	. :				1							
- 1		22.17		<u> </u>		Bedding	slip clay, 1 cm	th.	ļ		'							ZZ -
1	23		:	Fine Sanust.		Gray an	d massive.		ļ .									
ŀ	1	23.25		Very Fine	A A			:	1			翢						
-	24	24.30		Sandstone	۵۵۵	Dark gra	ay and patched						<u> </u>		X			24
	25			Fine Sandst.	25015		ted and/or pate] :						#			, ō
		25. <u>25</u>			1.184	100	slip with clay	seam.	i			120	引臣	W.				
1	26	26.40		Fine Sandst.	11/	4.7 (4.4)	minateð. Í slip fault; 1 cr	n thick					∞					26
	-	26.40		F1 51			d massive.	unch.	1									
	27	27. 40		Fine Sandst.			vertical crącks	· .			1		100					
	28	344					ray, massive an ceous.	d			1		$ \infty $					28
-	E.			Medium to Coarse		1,110	oowa.]^
) 29 1			Sandstone			fine sandstone											20:
L			L.	L	[porti	ons.				.l	Щ						l _{xx}

^{*}RQD is Rock Quality Designation, RQD=(Total length of calindric cores longer than 10 cm^{-//} Total core length × 100% *LIGEON VALUE is Mainten under injection mater pressure of 10kg/cm² *ORPTH and ELEVATION are in meter a DIAMETER is in multimeter

Į	ROJEC	r						1		DEPT	~ 	ELEV		
AVE	SITE RAGE ECOVE	CORE	 		COORDINATE	FROM		ro		DRILL			RIG GED	- 1
T		T	7	· · · · · ·	rate.	L	rene		25	- 	10 T	1 1.00	GRD	
ù	нтчэс) Eğ	ROCK TYPE OR	COLUMN	DESCRIPT	PEANS	AAS TION	ETE	UNDWATI	RECOVER	y R O D	WATER I	RESSURE TES	. 1⊢
	DE	ELEVATION	FORMATION	SECTION	Internal	11115	ROCK CLASS IFICATION	BIT &	ROUNDWATER	I I	Y R. Q. D. 8 MAX.CORE 1 50 c	Lug	ON VALUE	DEP
Ė	i —		-		Massive.		Æ	E 3	15	2011		will the same	30 30 12 11 11 11 11 11 11 11 11 11 11 11 11 11	50 [iii]
3	1						сн				o			3
L							"					16		
Ŀ	a			8.5	32.2 to 32.8 m; Lamii	nated.	3200			o a second		0.4		32
3	3		1.5	311								19		
E]	100												
3	4						:				c S			34
-3	5	[[f 1	1				o s	10 1116 11	o l
				Δ. × × Δ	35.0 to 39.7 m; White	spots and								
34	6		Medium to	A	grayish soft rock p are scattered,	atches						(PIIII		36
3	7		Coarse	Α.Α.			[]			關關。				III
Ē.			Sandstone	× 4.	45.									
ž	8			Δ X	Cores are long and go	od						10 0.30	Y	38
1.3	g			, ÷.	condition.									
Ē	₫ .		[40.9 to 41.9 D		[B	(C)	[40
F-					40.3 to 41.3 m; Dark	coloreo.				腦關。				
	1	1		25				99				Tu.		
4	2				Foud coses:					, and	di i	1 1 0371		42
-		· ·				٠.				問題。		100		
			1		43.4 to 44.35 m } p	ebble and								
4	4			0 4 0 4 0 4	44,57 to 44.82 m ∫ pa									44
-	5			олод]					0 6	10 15	Q 45
_				ο Δ	45 te 46,5 m; Includio				- '			je i		
-4	6			ο Δ Δ. ο Δ	pebbles and soft ro patches.	ck								46
-	7	- 4	1,4	Δ ο.			·					115 /		47
1	47.78				Boundary dips in 27°.	NA E]]					100		
=	2			Δ	Dark gray and massive	; .	• •			1				48
4	9		Fine	Δ.	including patches.							16		49
		11.75	Sandstone	λ.	Long and some hard o	cores.						0 .		
5	050.00			Δ.			50.00	لبل		al c				50
					. :									
11	1 .	:												Щ-
E-	1							+ : * ·						
Ē	1			} .		* *								
Ė									'					
	1				4.5				' '					
	-				·. ·			1.4						
F		1												 -
L									1.					
1														
		2000												
E-					1.00									Щ -

RR.Q.D is Rock Quality Designation, R.Q.D=(Total length of estindric cores longer than 10 cm^{3/3} Total core length × 100^{3/5}
#RECEON VALUE is Manife's under injection mater pressure of 10kg/em²
#DEPTH and ELEVATION are in meter
#DIAMETER is in millimeter

LOC FORM-B

HOLE NO. B81-16 SHEET NO. 1 OF 2

	PRO	JEC	r	SAPT GAND	AKI PRO	IECT .	 			-	T	DEPTH	- Sr) М	ELEVATION		
	SI	TE		DAMSITE C			:	: :				NCLINATIO			DRILL RIG	TONE, UD-	5
AVI	REC	GE (CORE RY	96.29	%	DATE F	ROM N	AR.23	*****	AR.31 '8	2	RHA.E	ьу кірс	, KUMAI	LOGGED	by KUMAZAV	
Ţ				ROCK TYPE	COLUMN			ASS-	BIT & DIAMETER	ATER	Ţ	CORE		WA	TER PRESS	URE TEST	[_
DATE	L d d d	<u>.</u> .	EVATI ON	OR		PESCRIPTION	×	ΩF	MET	HOUNDWATER	R	ECOVERY	R, Q, 1	8	LUGEON	The state of the	E
	: . c	<u>.</u>	113	FORMATION	SECTION		1.	A PIC	BIT	CROU		% CIR	MAX.CORI	cn .	10 89	30 to 50	ļā
	-					Pale brown overburden.			99								
	1			1	-^^		٠		11521	1							L
23	-									1: -	II.						-
1AR		٠				Including decomposed											ť
1	3.				Δ	rocks,						<u></u>					3
	7																-
E	-	1.		Overburden		and a second		1									12
1	5		. ".						Single								5
	-	1							Si					/	axinjum Core	180907,1437	-
		: -			<u>~</u> . <u>~</u> _]	l la]	h	∞		<i>Z</i>	H.O.D (%)		6
AR 24	7					d Co			Σ			100	/	7			12
-≥	- []				Δ		. 1		.98	l	i i		1/	7			
100												₩ ∞	$Y_{\mathcal{X}}$		P. Applied	Presslie II	ē.
Ē	اه	8 60		Fine Sandst.		Gray, hard and catcareo	us.	8.60	8.65	.		40 60	#/			Rate of Flow	,
E	_ -	9.20		Weathered		Brownish weathered			П						(11/2/71)	VIOLET I	ľ
	١ <u>٥</u>		٠.	Sandstone	7	fine saridstone.											10.
E	- J			{	175			iō.			Ų.	嫐人					-
F	_1	1 50			1.11	Laminated.							/				f
25	2 12	2 10		Fractured rock	XXX	Fractured and clayey		12.10				95					12
ΔM	-				11/1	Dark gray and cracky							1				l-
	3			Siltstone	1111	Dark gray and crocky				}:				11			[3.
- [<u>ا</u> کا	3. 90			1111			C _L ·		⊻ 13.9	5	iije ∞	M. I				14
-				Fine Sandst.		Greenish gray, massive a some weak.	and .	14.80		(Apr. 7	۱ [M				-
- E	1 <u>5</u>	.25				14.65m; Minor fault clay; to					E	00					15
h	- 16	۱ .		Fine Sandst.		White gray and laminate		c _M	11	1	1				T III y		6
- 1	. 16	. 35 - 75		Siltstone	many	16:35m; Fault clay; 2cm. t Includ. folded laminae & s		,					. V	35			Γ
- E	17				12	Gray and some faminate	d.	33.6			4	∞	i A	1	74.91	Line III	17
	_{.8} .7	. 80		Fine Sandst.	111	Includ, black lignitic fr ments.	rag-	18.00						10	7		-
	_1.		,	1 3 3 4	۵۵.	Patched. 18 to 19.4 m; Cracky				100	Ü		Z	5	/		ľ
26	19	3.80	L	Fine Sandst.	1778	Laminated; high dipped									f i		19
MAR		40	-		177	White gray and some					H			o P	5 1 1D	15 Ta	
	_			Medium	MARKET TO	laminated. 19.8 to 21.7 m; Cracky	nodfa-		Double		li.		1	P			ľ
	ZI			Sandstone	XXXX	fractured.	and/or	cլ	l å			25					šΓ
		1.70		<u> </u>	XXXXX			10	Bi.		H			16		11/4	1-
	22	1.		1	////	Cracky and weak.		0	9	l .	H					z III.	22
1	23	: 1		Mudstone	V///	Sandy					E E		N			102 31	23
	- s	3.60	ļ		11/1	Salidy			99					6	<i></i>		
Ē	24	4.50		Fine Sandst.		Patched and weak.					H	∞	7		1		24
. F	<. 25_	للعباد		 		Pale greenish gray.				1.0			#	i o e	1 5 L 19	15 Q	25
1	1.				****	24.5 to 25.9 m; Fractur zone	ed		1	\	T.						Ι-
7	6	That		Fine Sandst,	***	zone	٠.	25.90				95	X			4 - 1 - 1	26
MAR	-			1.	18/	Laminated and patched			-		E			15			
-≥	27	7.30	ļ		10/0	structure. White gray and massive.	·				H			10	// b	es Lu	۲
	28	4				27.4 to 28.4 m; Fractur	ed	C.		}		100					28
1	-			Fine Sandst.	XXXXX	ZONS									× III		-
1	29		1 5.					29.50				1 60	#	1			ľ
: [30		100			Cracky.						65		0	1 4 1 15	76 O	30

HOLE NO. 881-16 SHEET NO. 2 OF 2

		ROJE SITE						COORDINATE			-,-			EPTE	<u></u>					VATION	+			_
A		AGE COV		RE			——- <u>-</u>	DATE	FROM		TO		~	11,1,1			-			GGED				-
h	T		Î		ROCK TYPE	1	1	Laurence was	: <u>.l</u>	وسموسوت		[<u>8</u>	-		<u> </u>	±1	1		<u></u>		-			
DATE		DEPTH		ELEVATION	OR FORMATION	COLUMN SECTION		DESCRIP	Tion	ROCK CLASS- IFICATION	BIT & DIAMETER	GROUNDWATER LEVEL	BEC	ORE OVERY	R	. Q. t	,	WA			VALU	TES F	r ·	HLEDTH
-	-	i	+				29.95.10	31.8 m;		Œ	1 1	<u> </u>		111	10		nù	en fin		n Maria	, i	miin	ű	┝
1	31						Rusto	ed with brown	n and	1.				illo Illo	Į.									31
				10 Tu		1.7	201	me eracky.		շլ			翢					6						ز ا
-	32							cores and go		10		}		10		Ш.				12.5	W.	7		32
1	Ė.,	1, 1					l inc	cluding sands	t, patches.				删					0			, (A)			Ŀ
1	Ľ				Fine Sandstone		A vestica	at crack ruste	es with	c ^M		l		<u> </u>	쀎		234			Joi				3.5
183	34	Į		- : '				sh brown.		1				llic		Ш		9	2				Ш	34
MAR	-		1					35.1 m; A re		1								o /			0 1 1		ě	:
 −	35							n vertical cra		35.50			臘	i lo	Ѭ	m								33
1.	36		1			****		arse; mediun 37,0 m; Fract				1		70	藝				1				ii.	36
	L		1		4.5					0		ļ			7			5	1					-
١.	37	37.00	-				22.0 ***	37.65 m; Fra		-			翢	65	1				/ 2	46 L				3
ľ	3.0	38.1		1.5	Fine Sandst.	XXXX		ıy, massive &		37.70		1		ll _{io}				0	3 +					31
6		38.1	1.			3 4 6	Dark gra	y, patched li	ke .	1 1		1						5 /						Γ.
2	32	70.4			Breccia	000		ia; small pebi		c,				10	4			1						35
ĀĀ	E_0	39.45 39.75	-		Fractured	XXXXX	Clavey			to					*			0	6	11	1 1	6	o.	
Г	Ē.,	40.3 40.7			Fine Sandst. Siltstone	1111		d some lamin by and lamina		- CN						図		p in		TT.				ľ
	[4)	10.1	Τ		Olitacona	1//	Blackish	gray, muddy			e)			10		141		4			/			4
	Ē.,	41.6	7-				weak		·	41 90	Double			H.	$ \cdot $			5		1				Ŀ
l.	42	42.1	-		Fine		Gray and	d massive.	:		B:+: [н		ó		Ζ	6.14	-11		ľ
	43			in a	Sandstone	ه ۵		d massive wit			8.			Tino	di.			Ĭ	1 6		1111			4
8 8	١.					۸ ۵	paten	ed structure,			-					1		5	//					Ŀ
lœ.		44.6				Δ Δ	Radding	slip fault; 10	l con th		99	١			H		4	-1	7-1			Ti.		f
MA	45	7.7.	7			78111111	White gr	ray, massive a		1				10		淝		0	5	1): ;; ::1	Б.	Q	4
1	L				Fine Sandst.		mica	ceous.] ,								P						١.
	46	46.3	1			1916		ert; silty and						ΙO		1								4!
	47			2.5		11/4.11	46.5 to 4	6.5m; Beddir 6.8m; Muddy	v.	L CW				ю							- 16	5 Lu		4
-	F	:	1		Fine Sandst.		46.8 to 4	7.6m; White and micaceou 8.05m; Patch	gray, mas- s.							31		10_						
	E48	48.0	5		- 1	1211		8.05 m; Patch dark gray an		1		1		iji INOX	讄		H			777	Ì			4
					Fine Sandst. and Siltst.	411	lamin	ated.	o wen	}				По				5		/				4
AAR	- SC				and Sirist.	1111	Some cr	acky.										0	****) 1		O	
٦	₽°	50.0	+			1.47				50.00	1	-	1111	11110	0.13				Y		ı			5
	L				1	ĺ·	ĺ	٠															3	Ĺ
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1	F.	1	1	r file	Programme and		1.00	110		· ·.	ŀ	1 .					Ш						ij.	r

^{*}RQD is Bock Quilty Designation. RQD=Hotal length of cylindric cores longer than 10 cm² (Total core length) 100 % PLUCEON VALUE is Veint for under injection water pressure of 103g/cm² DEPTH and ELEVATION are in meter *** DEPTH and ELEVATION are in meter

١	-	ROJEC	r	SAPT GAND	AKI PRO	JECT					DEPTH	50 M	-	ELEVATION		٠,
		SITE		DAMSITE B:	RIGHT B/	NK COORDINATE	:		:		INCLUNATIO:	VERTIC		DRILL RIG	UD-5	\neg
	AVE R	RAGE ECOYE	RY	99	8%	DATE	FROM N			AR.22,'82	DRILLEI	by KIDO	B	LOGGED	by KUMAZA	WA.
	ш	Ξ	NOL	ROCK TYPE	COLUMN	; '		S S	BIT & DIAMETER	SROUNDWATER LEVEL	CORE	,	WAT	TER PRESS	URE TEST	
	DAT	DEPTH	EVATION	OR	SECTION	DESCRIPT	10N	ROCK OLASS IFICATION	3	LEVEL	RECOVERY	R. Q. D & MAX.CORE U 50 cm		LUGEON	and the state of	EPT
		. "	固	FORMATION	30011011		1.7	8 =	BI	GRO	% cm	50 cm		10 20	30 45	<u>.</u> [0]
		1.			ه ۵	Pale brown decompos	ed									
١		100	1			rock fragments.			11 }		11100			Abouted #v	35078 2	#1
	, 2			Overburden										Const Hat	of How	2
ļ	-				Δ Δ				994	ŀ						1
-		3.30		<u> </u>	_ ^ ^	· · · · · · · · · · · · · · · · · · ·		3.30								H
	4	1			$\times\!$	Pale brown decompos	ed rock.		871.1		$-\infty$					
				Decomposed	$ \times\!\!\times\!\!\!>$	(saudstone)			Σ.							
				Rock	XX				n/6		1 1					
١	0 6	3			XX		* *.	}	99		× 1					[6]
	MAR	6.60			/ Y Y	Upper 50 cm; Dark gr	iu and	682	7 00	. :						
] :				some naddy and v	reak.	- 7-30	<u>"</u>			加州人		Maximum 1	ore Length	
.	- 6	4		· .	1. 1.	Gray, massive and mid	accous.							(600)		8
1	- 4	8.60		Fine Sandstone	,	White gray.								R.O.O. (%)		
		'	1	Sallostone	3/7			с _н]						
-	20	2			6/6/	Laminated and/or pat	ched.				œ		p :			O
	Ę.,				1.50	Lower part; Medium s	andet				- 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1	MZ		ue ja totale		
	1.	11.40		Fine to Very	333			11.30					15			
	12	12 60		Fine Sandstone	771	Gray and well faminate Fault clay along bedding	44.5	c_			100	7		1/ 24 Lu		I2
	13				///	Greenish gray and ma		1 20			100		10		ibil til	13
Ì	Ė	1	* .		1//	12.6 to 13.2 m; Weak		13 30]			5 /			
Ì	14	1		Muddy Sandstone	1//					İ	100		P			14
	15	J			1//	Includ, sandstone pate	ches.			ļ	<u> </u>		0	, 5 I ID	15	0 15
ı	-	} · .			17%	16.0 m; Fault clay; 10	cm, th.	C _M		ļ			P			
		16 50		2 11	cyryd caspo	Dark gray and silty.					00					6
	17	17. 20		Fine Sandst.		Gray and massive.		16.70		. :	∞		13	1,2 Lu		17
ŀ	-18	1.	:			White gray, massive as	nd						10			
1	6	1				micaceous.										
.	0 15			Medium		14.5			Double 1		00		1			19
	¥ ×			Sandstone		Long cores.							o i	5 10	16.	0 20
]				1,			i i							
	2	1			1/2%	Laminated.			0		$\parallel \parallel \parallel \infty$		4			21
	2	2 22 20			111				E/E			\$ 75.3	15			22
ļ	1	22.20		t	 				99					0.8 Lu		
	=2.	3			1	Includ, blackish lignit	ic			}	1111100					23
. 1	2	9		Coarse	[<i>]}</i>	faminae.	-	Сн			- CC					24
	. [Sandstone				"		ļ.					1 15 E	
	2				ا ز						III I					
,]	2	<u> </u>			1//	Some laminated.										26
]]		17.77								35			
	5	27.20			1.4.1									1,14 44		127
	2	B	. .	Medium to	1.1.1	White gray, massive er micaceaus.	nd				∞					28
	E			Coarse].								
3	-2	1		Sandstone		Cores are long and go	od.			<u>₩</u> 29.35						29
	E		1	1 3 3 3 3	f	Landa de la caractería		1	ti i	I IAnz 71	un de la compansión de la	u ar sell need	1: 4 7	tind to the	attiched Rilli	. W

ESOL 1 ... ARQL is Nock Quility Designation. RQD= (Taisl length of cylindric cores longer than 10 cm. Joist core length x 100% ELUGEON VALUE, is l'ainfine under injection water pressure of 10kg'en' SDEPTH and ELEVATION are in meter SDIAMETER is in millimeter.

	PROJEC	r]							DEPTH	<u> </u>	ELE	VATION		٦
AVE	SITE RAGE RECOVE	CORE	. 		COORDINATE : DATE FROM		;		EXCLINATION			LI. REG	. .	
			T	T	DATE FROM	1-1	TO N ≅	15	DRILLED	<u> </u>		CGED		
DATE	рертн	ELEVATION	ROCK TYPE OR FORMATION	COLUMN SECTION	DESCRIPTION	ROCK CLASS FICATION	BIT & DIAMETER	GROUNDWATER LEVEL	CORE RECOVERY	R. Q. D & AX CORE L. 50 cm	l	PRESSURE TEON VALUE	EST so	DEPTH
20 20	51 52 53		Medium to Coarse	111	(Coarse sandstone) 31.7 m; Including black lignite fragments. 32.15 to 32.35 m; Including gray and green siltstone patches.		(D. Bit; Double)		200 200 200 200 200 200 200 200 200 200		3			333333
W.Y.	6		Sandstone	\$	Laminated. 35.1 to 35.7 m; Including softrock patches and pebbles. Very coarse and massive.	сн	99		\$ \$ \$		16 1 0.62	(0 kg		35
- <u>Ծումաննում ան</u> ի թեղջնու	9 40.60			0000	37.9 to 38.1 m; Including blackish lignitic laminae. 40.6 m; A pebble conglomerate layer; 5 cm, thick.		1				6 2 0 7	5 (C) (C)		15 July 20 1 15 11 15 11 15 11 11 15 11 11 15 11 11
الاجتراضة الكريان الكريان الكريان	.4		Coase to Very Coarse Sandstone	à	Massive coarse sandstone long cores; including granule size fragments. White gray and micaceous.	42.60	66 (M. Bit . Double				16 ()	99 Lit		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	6			0.50		47.50			(x) (x)		P 18 1 19 19 19 19 19 19	04 Lu		47
MAR. 22	9 0 50.00			0.4 0 0.4 0	Including pebbles and soft rock patches in places.	с _н 5000			- 100 - 100			Jo 118	0	49
بنسطيها سطاسط استختيها مريا														dimediateless hindred
<u>anduration dender danding</u>														
and the second second														in the second

^{*}RQD is Bock Quality Designation, RQD= (Total length of cylindric cores longer than 10 cm/l/Total core length × 190% *LUCEUN VALUE is l'ain/m under injection nater pressure of 10kg/cm/ *DEPTH and ELEVATION are in meter *DAMETER is in millimeter

		PROJEC	T	SAPT GANDA	KI PROJ	ECT					DEPTH	80 M	T	ELEVATION			
	۷.	SITE		DAMSITE C; I	EFT BAI	IK COORDINATE	:		1.		ENCLINATION	VERTICA	ı	DRILL RIG	TONE.	UD-5	
	AV.	ERAGE RECOVE	CORE I	89.4	%	DATE	FROM A	PR,2	TO AF	R.10 '82	DRILLED	by M. KIDO	?	LOGGED	by KUM	AZĄWA	
ĺ	T	25		ROCK TYPE			· · · · · · · · · · · · · · · · · · ·	8 2	હિલ	M	CORE	Samo			274 <u> </u>		
	PATE	DEPT	ĬĮ	OR	COLUMN	DESCRIPTI	ION	25	13	URDWA	RECOVERY	R. Q. D&		R PRESS		141	
ı	ì	ΩE	ELEVATION	FORMATION	SECTION			ROCK CLASS	BIT & DIAMETER	ROUNDWATES	h	LAX CORE L.	1	LUCEON V	ALUE	i g	
ł		1	- 14		0			æ =	M Ω	5	% co	्रामामामामा १० ००	10	annihmen	30 60 DELIMBIE	HILEN 3	
- [Ę	5			<u> </u>	Brownish soil with gra			116	j							٠.
-			1		Ω	Granite and quartz	ite boulde	is. 1	86								
	2	2	A	Terrace		1			50		О					2	
	a l	- 1		Deposits					gle)								
ł	-	3			—B			·	Sin		5 !					3	
		4		1.	ب ب			;	œ		3						
					0 0				×.								
- 1	ωĒ	5							99		o					5	
	APR	6			0	6.2 m; Testiary sands	tone .		6.55	d							
- 1	1	6.40	+ 1+			soft cobbles includ		6.40			0					6	-
- 1	F	7	1,100	Very Fine	9///	Greenish gray famina	ted.	ԵՐ		7.10M	50			es un c	* 4		
ļ		7.25	 	Sandstone Mudstone	33/3/1/0	7,12 to 7,25 m. Fract Greenish gray with whit		7.45		(APR.10)				H (2.12. (4)			
		8		munacau.		Gray and massive,	<u></u>		3.00	,	10.					8	
-		-		Fine Sandst.		The second second			.						I S		
	. [9			×	9.2 to 9.8 m; Includir white calcarcous s					100			Q COS	Bucor	9	
	4	9.80	**		× ×	Grand and <u>Louis</u>	.1:	1.						141			
ı	APR	10 10 12	~ ~	Coarse Sandst. Fine Sandst.	1/6//0	White gray and micace Laminated and/or pate	ous. hed.						PI :				
Ì	4	11.36	1	Medium Sandst.		Gray and massive.				1	ico						
-		- [/	White gray, massive	· · · ·			1			16	Y E			
	Ė	12		1 B	1.	and micaceous.		:	3				11111	/		122	
ŀ		13	1.0			11.4 m; High dipping	crack.	. :	Doub				10 /				
l	Ė			Coarse		Long cores and no	t so										
:	Ė	14		Sandstone		hard.			ŧ.		loc					14	
	Ė								Σ				. (
	5	15				al teta			99		m xx			, yu	13	15	
.	٠F	16		} · · · · · · · · · · · · · · · · · · ·	, , ,												
		16.50		l													
		17				Greenish gray and ma	ssive.		-		100					17	
		_		Mudstone		16.5 to 17.0 m; Slaky	/-						10				•
		18			%/%	17.6 to 18.5 m; Some	patches.				100					18	
		18.50 19	 	Siltstone &	16/10	Gray and calcarcous.							6 7				
	: [19,42 19,70		Fine Sandst.	16/6/6	Laminated and/or par	tched.			1			1				
		29 20 10	1		111	Gray and massive. Silty and patched.	. : -	СН			100		0	19	16	0 20	
1	Ē	_ []	l sagi		Gray and well lamina	ted	.					1				
		21			11/1/1	Cray tria men amino			li I		100			<i>A</i>		11121	Ξ
	-	22		1	9/11/				$ \cdot $				18 -	/III III			HOL
		22.45		Fine	1 6/1] .		1				2 4 10		#### 31	Ŧ
1, 1	9	23		Sandstone	166	Gray and massive.			H. 1	İ	noo	alika i	11.7			23	Z S
1	ď.	-			[\$-\f\-	22.7 to 23.1m { Vertic 23.5 to 23.9m { nish ci	al brow-						4.6			***************************************	00
	4	24 24 00			11/11	Siltstone.			- 10	100	100		11/11			24	00
	ŀ	24.77			11/13	Laminated.			Double				4	\$ 6	115	9 25 C	1
					11/1/2	Dark gray and lamina stone to very fine	ted silt										,,
	Ì	26 26.20			11/1/2	Laminae dip in 35° to		1	± 6	ļ .	100					26	
		- (50.20	-		7777	26.2m; Bed.slip fault cl	ay; 1 cm	:	0								
		27		Fine Sandst.	1///	Dark gray and muddi Includ, blackish lig, frag	ly.	٠.	99	1	100					27	٠.
		27.62	17.1	Med to Coarse	7.7.	Gray to white gray w							HI INO	t (ested)			4
		28.37		Sandstone		some soft rock pate	hes.			1							_
<u>'</u>		29 29 12		Mudstone	////	Dark gray with some p Some staky and weak.	atches.				10C					29	i
	ı	_		Fine Sandst.	1.181	Gray to dark gray	V .			1 .						29	-
٠	_	30	<u> </u>	rine Gariust.	14.4.17	and laminated:		L	Ш.		E POOL					30	

^{*}RQD is Rock Quality Designation, RQD=(Total length of cylindric corre longer than 10 cm)/(Total core length) x 100%
**USEDON VALUE is Unix/m under injection mater pressure of 10kg/cm'
**DEPTH and ELEVATION are in meter
**DIAMETER is in millimeter

HOLE NO. B81-18 SHEET NO. 2 OF 2

	PI	ROJEC	r			2 !							DEPTH		ELEVATION		j
A		SITE	3900	 	<u> </u>	<u> </u>	COORDINATE	. :		:			INCLINATION		DRILL. RIG	<u> </u>	
-	ŘĚ	AGE COVE	1	,	7		DATE	FROM		то	(&		DRILLED	·	LOGGED	· · · · · ·	
ja)		Ħ	EVATION	ROCK TYPE	COLUMN	1			ROCK CLASS- IFICATION	BIT & DIAMETER	ROUNDWATER	.,	CORE		WATER PRESSI	JRE TEST	H
DATE		DEPT	EVK	OR	SECTION	1000	DESCRIPT	ION	X A	AME	S.	13/37	RECOVERY	R, Q. D MAX.CORE L	LUGEON V	ALUE	EP
	L,		ш	FORMATION .	05011011		<u> </u>		8 =	2 2	8		% ca.	50 cm 50 %	6 61	S) 13 56	Ľ
	-			Paragraph is	111		29.48 m;	i Dalian			1			Name (
	1			Fina Sandst. and	11		tred along bed 31.23 m and				ĺ	- 1	G 100				317
ă,				Siltstone	1/1/2	Slip fa	ults with clay	seams.		$\ \cdot\ $					5 - 1		
APR		32.67			1911	31.9 to 3	2.43 m; Cross tion	lamina- L									JC.
. :	33				1/	White gra	y and micace		1				100				33
1	Ë.,		1	Medium	1//	Some fam	unated.		1	!	1	- {			6 <i>f</i> f		1
		34.60	. 211	Sandstone	Y::	33.45 m;	a high dippin	g crack.				1	100		1/4		4
	35			Very Fine	1777	Dark gray	and well lam	inated.	1				000		0 # 10	6 C	35
	-	35.43		Sandstone				·	- ∤			.		r soft			-
	×6			Medium	11/	White gra	y, micaceous ited.	and	1	H^{-1}			∞ (1				36
	37	36.95		Sandstone	1//		. -		1						(S. 7)		Tight.
.		37, 36		Siltstone	WAY KAN		d with fossil I		1	$\prod_{i \in I} f_i$					T POPELL		3/-
1		4.		Sandy		37,36 to Greenish	37.57 m; f·ræ graγ.	ctured.	CH	$\ \cdot \ $			2∞				39.
		38,60		Mudstone	1.24		.95 m . Patche	ed	.]]]	}	:			6		
8	32	39.07		Fine	777	Gray and			1	_[$\frac{1}{2}$				39
AP	E.	4.1		Sandstone	1//	lamina				Double		ı			0 1 5 10	i s i s	40
		40.45 40.70		Mudstone	1777	Bottom p Greenish	art; Muddy.		-	ă							Ĭ
	41			1	11/1/	40.7 to 4	1.3 m; Muddy		1								41
	Ę.,			Fine Sandst.	X x	includ	ing white spa	ts.	1 .	D 8	ĺ						
	42	42.20		Cian Pand	X X 25/2/1.	Darles	a and mall		1	-			1000		INdile leuk		42
		43.05		Fine Sandst. & Siltstone	Will.	Dark gray	y and well lam	iinated.		99			100				43
•				Muddy Fine Sandst.	1//		enish gray and	.						期間間			J. In
	44	43.95		rine Sanost	0/0/	Calcareou	us patched and	1/or	1 .	$H = I_1$	ł	- [100				44
	45	+5		Fine Sandst. :	13/11	lamina					ļ	-					1
		45. 20 45. 40			W 250	1 ractures	Hayer.		45.10								17
	46				1/2	Some lan	T						∞				46
		46.70		Fine Sandst.	Xxxxxxx		6.5 m; Fractu	red.	, c _M]				16 - 4 18		
	47				1/1/2	Weil tami Slicken si	ides elong lam	inae		$\ \ $			i i i i		. 7 1914		47
6	48	47.86			1.1.7	comm			-				100				48
APR		48.55			1.61		nd slaky.		48.55]					6/4		1
0	49	49.15	<u> </u>	Fine Sandst.			y and massive.		В			4.	300				49
¥.	50	50.00	<u> </u>		4 6	Dark gray	y and patched	. <u></u>	50.00			_ (0 6 6	16 O	50
				1111													
4				12.15				: :									
	F]					l						[-]
1					la eta				1 1	1							
:			11.7									٠.					L
۱	F									l -							
	H		11.5									.					H
}		}			-	1 1 1						ŀ					1
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	F				1956				2.73								
			,	4	1	,							******	*************		taret thirte Billitiete	3

HOLE NO. TG-1 SHEET NO. 1 OF 1

_	P	ROJEC	T	SAPT GANDA	KI PRO					DEPTH	30 M		ELEVATION		-
	-	SITE		TEST GROUT				:		INCLINATION		AL	DRILL RIG	TONE UD	-5:
Ā	VER R)	COVE	CORE RY	88, 3 %		DATE FROMDE	C.7	TO DE	c. 16 81	DRILLEO	by SAK	AT	1.0GGED	by KUMAZA	
[,,	[]	Œ	NOI	ROCK TYPE	жилоэ		CLASS- ATION	ER &	TER	CORE	1.4	WAT	TER PRESS	URE TEST	1
DAT		рертн	EVATION	OR .	1000	DESCRIPTION	OCK CLASS	Bit & Diameter	HOUNDWATER	RECOVERY	: IL.Q.D.& MAX.OORE_L		LUGEON	- 7	200
Ľ		Δ .	13	FORMATION	SECTION		ROCK FIC.	Bit	CHO1	26 cm	SU cm		10 29	30 65	, a
	Γ		}			Micaceous sitty sand.		86							
	H											446	Appliede	÷13),	14
ŀ	Ē,			Overburden		Miles value		ingle)					(Kalami		
١.	-			1	Δ - Δ	1.42	•	š				Ĭ	(Ll/alc		15
ŀ	3				A.	Including decomposed rock fragments.	. 2	9	16.00						3
12	F.	_3.50 _3.95		Med, Sandst.	Δ.	White gray and massive.	3.50	Σ		LUIN L		, n	0 b		11
DEC		3.24			lists.	Dark gray and calcareous.	C _L 4.70	38			NIF	M	eximum Con	Length	4
	5				4/4/	4.1 to 4.8 m; laminated.	4.,0			11111100	i ivi 😕				5
	Ė			Very Fine Sandstone	0/0/0	4.8 to 6.5 m; patched struct.			}		at Val	F.II			빏곀
		ĺ		and	1.101	6.5 to 7.8 m; laminated.	СН	1 1							- 6
	7		İ	Siltstone	13171	Above 7 m; Cracks are brownish				i i i		+Q			7
	L	7.80			11111	and weathered.	7.70		₹ 7.50			10			
	8	_			////	Greenish gray,			(Dec 16)						H
8	9	9.00		Mudstone	/////	massive and slaky.	C _M 9.10	.	ļ.			5		137,921	9
ü	10	9.70	1.	Fine Sandst.		Gray and massive.								4.6	
	F10				111	Gray and well laminated.	CH				V.				10
ŀ	11			Fine Sandst,	17.75	Carlot St. Carlot St.	11.10		l I	1000	2				1.0
1	F	11.35	<u> </u>	Very Fine		Dark grav.					V	£5			
	12			Sandstone	111111	Lower half; silty and laminated.	'CM			00			: / - · · · ·		12
ı	13	12.60	l —	-	ititilii	Upper 40 cm; muddy & slaky.				∞		10	71 51		13
	1					1	13.40				Y.	5 /			
2	· t			Fine Sandst.		Gray and massive	CH	- e		<u> </u>		4	-3.20 U.i.∔		14
DEC	15				1 :		15.20	Double	:	∞		0	4 11 10	16 0	15
	-	15,60		<u> </u>	111111	Lower 40 cm; silty and laminated.	CL	1 - 3			r A	2			
ŀ	16	1		Fine Sandst.		Bedding slip with clay seam.	16.10	199	1	1113 00					16:
	17	17,10		Time Daniest.	A A A	} Gray and massive. } Patched and some laminated.		1 99		100		15			17
١.	Ē.,				5.5.0	White gray and micaceous.	į	9				10			
1	-18						CH								18
=	19			Fine Sandst.	11%	Laminated.				100		5	20.88	*	19
D E					111	D Branch Co	10.00						# P		14
13	20	19.90 20.30		Siltstone	11/1/11	Well laminated and calcareous	19.90			111111100		P.			20
DEC	21	20.85	<u> </u>	Fine Sandst.	111	White gray and faminated.									21
ľ					1/4/	Cracky and including patches.	- 1					15 -			-
1	22			Fine Sandst.	<i>**</i>	21,05 m; including blackish	C _M			1,00	f1 :- :-		<i>1</i>		22
1	23	23.10	1.			lignite lamina; 0.5 cm, th	C _L				XIIII	10			23
].	F				177	Greenish gray and staky.] .					5 g	2.48 Lu		-
	24					23.9 m; bedding slip with clay;		-		100	1				24
DEC	25				1///	3 cm, thick		Double)		100		0 1	8 i ip	14 1	25
				Muddy Sandstone	///		· ,	ă	1		1				
1	26			Sanustons	///	Massive, weak and slaky.		6	ļ						26
ŀ	27				///	Part of the	26.70	Σ		\mathbb{R}_{∞}		¥.5			27
1	F				1././	Below 26.6 m; patched.		99] ::			10-1			
	28	27.90		- 	1-1-	Upper part; including some	СН						14814		26
9	29			Medium		greenish patches.	to B	- /		i i co					29
0	30			Sandstone		White gray and massive.	0000		1			Į			
0	F30	30,00	Ц			of cylindric cores longer than 18 cm//	30.00	Щ	ــــــــــــــــــــــــــــــــــــــ	Hill bod					130

HOLE NO. TG-2 SHEET NO. 1 OF 1

P	ROJEC	т	SAPT GANDA	KI PRO	ECT						DEPT	H	30	M		ELEVATION	T		
	SITE	CODY	TEST GROUT	ING SI	Е	COORDINATE	:		3 :		EXCLISAT		VER	TIC	AL	DRILL RIG	TONE 1	JD-5	;
R	RAGE ECOVE	RY I	82.3 %	(1	-	DATE	FROM (C. 21 81	DRULL	ΕÞ	b <u>у</u> А.	SAK	Al	LOGGED	Бу , КИМ	\ZA\	Α
	E	NOL	ROCK TYPE	COLUMN		S. S.		S S	BIT & DIAMETER	ROUNDWATER LEVEL	CORE	ŀ			WAT	ER PRESS	SURE TES	s T	æ
	рертн	ELEVATION	OR	SECTION	100	DESCRIPT	ION	ROCK CLASS	TAME	LEVEL	RECOVER		R. Q. AX CORI		33.	LUGEON	VALUE	٠., ١	EPI
1	-	3	FORMATION	31.6 (10.0				ğ ±	18.10	8	c	9	50			12	100000000000000000000000000000000000000	30	
				ļ		by means of si													-
	1:. '				cor	e-pariel and uc	on-cored		9			:				Appries Pre	nue		1-
2			Overburden		1 1 1				Casi							(kt/m			2
-						1 12 4			00						0	Constant	i oi Fiow		
3									Z	1 .				Ш					3
35.4	3.50			100	White	ray and lamina	ited	3.50	98										
E				1.0	1,,,,,,,,,	idy until tariffic						ı							Ü
- 5			Medium to Fine Sandst,																5
		17		17	-							17.		Ш	11:11				
6	1			17 %	1.17		1 1			1 ()		8		H					6
7	700			1		<u> </u>	:		2	(40, 71									7
-	7.90		Siltstone	1991	Dark gr	ay, calcareous	and hard.	CM	Single	(Apr. 7) 7 7.60									1
8	1		1	17/14	Dark -	ay and hard; sl	nků		σ.	Ø 8,00 (Dec.21)		į,	11/	Ш					8
9			Siltstone	19/6/	Dark gr	ay and naro; si	акү.		Σ		HI I	ij	i.V		ō		1,20		9
<u>.</u>				VYV	Catcare	ous and patche	d.		99				И					i iii	
5 E1C	10.10			1//						77.	i i i i	ď			ρ	5 10			10
3 -			Sandy	///	Some g	reenish and ma	issive.					C II			1			Ш	111
"	1		Mudstone	V///	Słaky.		- 1	11.50								1/ 1			
12	11.90 12.20		Fine Sandst.		1 1 1 1 1 1	and patched.	 		_			οij	16						12
Ē.			Fine Sandst.	13/01/	4	ninated.			up le	1		J			ō.	171-11-1			-
13	17.00		and Siltstone	13.60	Neil lan	initiateu.			8	17.			W.						13
14	13.65			17.7.7	Dark gr	ay.		1 1	ni		rc	qij				3,7,14			14
	14.90		Fine Sandst.:	11133	441 44	d faminated.	1	1	~	1 1					1	. A h to	1100	Ι,	1
) = 15 t =	. 14.50		_	7-2-2-	Gray an	ıd massive.		1	9		11111				p .			111	15
16					0,0,0		1.4					d!			1				16
=			Fine Sandst.	: :::	15 %		Ç.							树	15				
22	E.			1/0/		uding patches I some laminat	ions.	Сн			FEE CO	O.		14					17.
18	17.95 18 70	11.7		17.54	130		· * * · · · · ·								10				18
-			Fine Sandst.	77777	Fault cl Upper;	muddy	-												
	18.95		Fine Sandst.		Gray	fine to mediun	n.	1 1	1 1	1		q ř			l)				19
	19.45		1110 00111111	7.		ray and some	· · · ·	1	1. [11.	Hi,				o	, s. ib	15	Q.	20
E	1		Figs to	1. 1. 1.		rinated.									· Þ				
2!	1		Fine to Medium	1.7		•				11 0	i i i i i	q.	V.	Ш	4				21
			Sandstone	1.7				1,,,,							5	Y			-
22	1			ĿŹ		,		22.00				7#							9
2.				[44]		8 T	14.4		e)			٥Ì			17				23
-	23.40		1.5	1.77:	White	ray and lamina	ured		Doug						5 0	1810			-
3 2	24.45		1	177	1.0			CW	II .I		K	X)	VIII.						24
,	24.45 24.70		Breccia	3000		l-like breccia. White gray;]	B 74			ال			o	4 15 16		o.	25
şΕ		liber (Fine Sandst.	/	lami	nated and/or p	atched.		w						i P				
3 2	2610	_		VXXX		<u> 1</u>		26.00	"	1		α				7			26
27	,			XXX		h gray and mas ky and weakne					THE C	o i			16				27
E.	1		1	Ville	26.1 to	26.65m;	ractured	_c ,					8						Ť
20	9		Mudstone	VYY	27.4 to	27.7 m; "	Successed.	CF				×ų.				f.O.Lu			28
E		'		V//	28.8 to	29.9 m; brown	nish	1		200		Į,		剻	5				-
DEC	1	' '		1//	Below	pat 29,9 m;	tches:	2900 CH				~			IJ				29
ΨE~	30.00			1//		re muddy sand:	stone.	30.00		1		o			Ď	1 4 1 1		H	7/

Below 29.9 m;
massive muddy sandstone.

#RQD is Rock Quality Designation. RQD=1Total leigth of cylindric cores tonger than 10 cm//Total core length', 100%
#LUCEON VALUE is Main/a under injection water pressure of 10kg/cm'
#EDETH and FILEVATION are in matter

#EDETH and FILEVATION are in matter

LOG FORM-B

Ď	ROJEC		DUIPE	LO			<u> </u>	110.1		SHEET	110.		<u>-</u> _'	
	SITE	-	SAPT GAI		COORDINATE :		;		DEPTH	30 M VERTIC		DRILL RIC	70115110 5	
	RACE	CORE	84.5%		DATE FROM D	ec 18	TO D	er 27	DRILLED			LOGGED	TONE UD-5	
T	COVE		·		T	1 1	& X		†	T dy 71. O/11	-			
발.	DEPTH	ELEVATION	ROCK TYPE OR	COLUMN	DESCRIPTION	ROCK CLASSIFIC		ROUNDWATER	CORE RECOVERY	R. Q. D&	WAT	ER PRESS	URE TEST	푠
ă	DEF	CEV.	FORMATION	SECTION	DESCRIPTION	X S	BIT	UEVEL.	ALCO EST	MAX.CORE L.		LUCEON	VALUE	DEP
1	1	143	POMMITTON			ğ 9	69.10	ğ	% em	50 cm	120112	n 9	30 42 54	
ŀ	1: :				Overburden									
i i					1 1 1 1		9	٠.						1
-			Overburden				Casing)				i bi	Applied Pres	ale il	,
							li l					lvg/lan ili.		
3							Σ					Constant Ali (Utumle/m)		3.
	3.40		-	·	White gray, medium to coarse.	3.40	198			8				
-4			Sandstone		Cracks are brown		"				- A (I.D.		4
5	4.60		Concestorie		Gray, laminated	CM	=				Ma	x. Chiefteng		-
	`	10	Fine		Including sittstone laminae.	5.40	Sirole		90		P			1
6	6.25		Sandstone				<u> </u>	1.0	E0					6
00	6.60		Mudstane	1777	Greenish and silt patched.	1: 1	Double)				15	1 1 1/1		
20 7				177	Gray, hard and calcareous.	1 1	60		HI POC		÷F			14
丰;	. !		Siltstone	130	Includ, green mudstone and	ļ ·		'	B 184		ю	77"		8
] : ;:			V24	white gray silt patches. Brown cracks.	•						ZE E		
8 9	8.90	 	 	1///	—— (Bedding slip) ———		9				1/			9
532.0	1				Greenish gray, massive, not hard and latent cracks		661				oP	5.1 tu	<u>, , </u>	H
10	1	in i	Mudstone		9.1 to 9.3 m } White gray 10.0 to 10.3 m } sit patches			1	li li li co		P			EO.
<u> </u>	11.10	\		V///	10.0 to 10.3m) sitt patches Sandy (very fine sand)				bor Hilling			1 7		1.1
	1			14.6	Gray and well laminated.						16	1.1		
12			Fine		11.1 to 12.0 in: Some greenish.		<u> </u>		100			71		12
F			Sandstone		Laminae 34° dip.	СН	Double				10	/4 : 1		
F)3					12.3 to 13.0 m; Silt stone dominant	⁻ "	6		1 30 1 100	1	-: l	4 + 4 1		. 13
20	13.70	ļ		777	(gradually)		Ĭ	1.5			ы/			
2530	1			17/7	Greenish gray, massive. Apt to slake (latent crack nets)		99				1	2,6 LU		
<u>5 ا</u> ق			Sandy Mudstone		15.1 to 15.6 m, Green patches		ŀЩ		<u> </u>	X		[::\$,:: ::!P	15 I	15
-			madatorie		15.8 to 16.2 m, White gray						P			
F16	16.30	<u> </u>	. 18		patches	1		1						16
1 27	16.75	<u> </u>	Siltstone	144	Gray and laminated, "(Fault clay; 1 cm th.;40°dip)		-				15			17
			Fine to Medium		16.75 to 17.0 m and 17.4 to		Double				1			
E18			Sandstone	1 4 5	17.7 m Some greenish fine sandstone.		å		1111 100					18:
	18.40		1		White gray patches. White gray and laminated.			110			6			
X=19			Medium		Lamina; 45° dip.					1	- 1	1.1 -0		19
3 20	1		Sandstone	٠, ٠,	18.8 m. Green patched layer. Micaceous		99				0	\$ 10	- lb - 0	20
	1				19.8 to 20.2 m. Laminated		Ш				- Þ			
21	21.35	1 3	1		fine sandstone Slickensides common.			1		4/4				21
Ē.	S1 20	-	Siltstone	WW.	Dark gray; Shaly	21.40]].]	1		4	15			
F22	1		Fractured	\bigotimes	Fractured medium to coarse sandstone.			1				H		H
E23	075		Zone	$\otimes \otimes \otimes$	at 21.9 m; Lamination 70° dip.	CL.		.		VI III	10			23
	2320	<u> </u>	Fine Sandstone	 /////	Gray and laminated	D D	$\parallel \parallel$			NY .		1.2 Lu		
\$2.24	24.00	 	and Siltstone	XXX	Crossing cracks with clay.				(11)	Men	1			24
OE S	24.60		Fractured	kyyyy	Dark gray siltstone and sandst. (Greenish fault clay, 1 cm)	24.70					oU:	. <u> </u>	ii ii is q	J
- Ez-		-		V///	24.6 to 25.4 m, Deep green	CL.	_		150	1				25.
26			4: 1.5	V///	Rather weak. White gray silt patches.	· to	Double 1							26
]	1	Mudstone	<i>Y///</i>		26.60	å	:			15.7			
27	1]···		V//	Some yellowish color.			1	100					27
F]			1///	K - I	1	≥				10 /			14
28	1	1.1	1	1///	Sandy.	СН	18	1	100		l l	0.9 (0		28
	1	1		1///	White gray sandstone	1 ''	11	1			5			13
		I:		V / / / .			1) !		Establish Reve	THE PERSON NAMED IN		111111111111111111111111111111111111111		29
EC.26	29.20		Sandstone	[[[]	patches. Fine to medium.			ļ	le loc					29

ARQD is flock Quality Designation. RQD=(Total length of cylindric cores longer than 10 cm///Total core length > 100%

#LUGEON VALUE is l'ainle'm noder injection water pressure of l'Olg'en'

#DEPTH and FLEVATRON are in meter

#DEPTH and FLEVATRON are in meter

LOG FORM-B

HOLE NO.TG-4

SHEET NO. 1 OF 1

			OJE					-÷-	NDAKI P	OJECT		T				-	DEPT		20			ELEVA			100	-
1	Ųί		ITE COV		RE	\vdash	TEST GRO	2UT 79%			COORDINATE	FROM D	EC.30		AN.6		enclinati Drii, l. i		VERT		·	LOGO		TONE by KUN		
			DEPTH	Î	EVATION	1	ROCK T	-	COLUMN		DESCRIP		1 8	BIT & DIAMETER		十	CORE SECOVER	T	R. Q. I	Ī.	WAT	ER PE	ESS	URK T		Ī
Ľ	M	٠.,	Ξ <u>.</u>		ELEV		FORMAT	ION	SECTION		or other	· : : : : : : : : : : : : : : : : : : :	ROCK		GROUNE	ľ	% e	N	X.COR 50 cr	R.L.	, a 2,	LUGE	ON V	ALUE) S	0.50
	The same of the sa	-							THE WAY	0 to 1	den .3 m; Brown caceous fine th roots	ish gray sand		36 (M.B.)												1
	li di	2					Overburd	en		1.3 to	2.7 m; Yell ry fine sand 3.4 m; Pale			66(Single?		The second						yee (20)	, m. 150	,		2
	all the same	- 1	3.40 3.80				Sandston		1333.	gri	y very fine's	and to silt	3.40	999							9.6		na. mi	., e.w		3
		5	<u> </u>				Laminate Sandstone	đ		Dark gra Inc. s 4.5 m		lst. patche: cement rick)			24.90 5.30		5	0 0			P. CO Milex	D. Imire C	ora t	Po'i		5
	1	7				2.5	and Siltstone		2777	stone 5.8 to 7. line.	with white s 5 m; Hard, fi Inc. white gr racks with da	Pots. Ne to very ay patches	C _M		l ^{Jan, 6} 8:20 AM	H	ı				8	Į, Ž				6
	the state of	8	8.35					air air		7.5 to 8. siltst. fossil	36 m; Lamin 35° dip lam Jeaves.		7,50		√ 7.70 (Jan.4 9:00 AM	7					io	7				8
	Desc. 30	9	10.20				Mudstone			Inc. t Later	Greenish gra rown spots it crack nets		1,		All	-					J	42U 5	ΙQ	115	·o	9
	ubicularies.	11					Laminate Sandstoni (Silty)			10.2 to 10.5 to (c	e to very fine 10.5 m; Pate 12.1 m; Well oss lamination	hed sandst: laminated. ਅ]		Double)					Ø	X	15					1
	1		13.15				10000	· 	1811111 51 5 5	shaly patch	12.6 m; Dar Inc. some v es. 13.15 m; La	vhite	СН	66 t D.B.		4				N N	(o)	7				13
	1	14					Fine Massive Sandston	е ;	, p . p	white medi	15.85 m; Gr gray massive um sandstone white patches	fine to						X HILLIAN		N	j o	2.lii 5	ιp	15	 0	15
	مصلفته	91	16.16	,				^ -	arsini	lamis White ga	16.1 m. Dar ated and site ay micacous	and mas				1	P		4			1				16
ĺ	Jenning	- 1				:	Micaceo Sandslor		5 ⁹ 5 5 9	Inc. v 17.5 m; 17.6 to	ine sandstone vhite patches Some lamina 18.6 m; Medi reen patches	ted. um sandst.					i i s				10 /					15
ı	5	19							1////	18.6 to Bend	20.0 m; Lami ing 45° dip. • 19.75 m; 81	inated.	20.00								5 d	1,7 tu		115	ū	19
ľ	Chingan	201	20.00	†	: :				3.7.				120.00													ľ
	سيامسنغيسا	-						. :																		
l	لمصاميها									11:		· •														
	THE STREET	-]																								-
	majoring and a second													- : .		1										
	Therman	-														1										
	1				ij	8							•													

^{*}RQD is Roch Quality Designation. RQD=(Total length of cylindric cores longer than 10 cm://Total core length) x 100% **
**ELIGEON VALUE is Mainly under injection water pressure of 10kg/cm²*
***DEPTH and ELEVATION are in meter.**
**DEAMMETER is in millimeter

HOLE NO. TG-5 SHEET NO. 1 OF 1

	1	PROJEC	Г	SAPT GANDA	KI PRO	DJECT						регтн	20 M		ELEVATION		7
		SITE	605 a	TEST GROU	ING SI	E	COORDINATE	:		;		INCLINATION	VERTIC	AL	DRILL RIG	TONE UD-5	
	AVE	RAGE ECOVE	RY .	100 %	,	r	DATE	FROM J			N. 10'82	DRILLEI	by A. SA	KAI	LOGGED	by KUMAZAW	Α
1		Ξ:	ğ	ROCK TYPE	COLUMN		300		SS N	BIT & DIAMETER	GROUNDWATER LEVEL	CORE		WAT	ER PRESS	UREST	Ŧ
ĺ	DATE	DEPTH	ELEVATION	Olt	SECTION		DESCRIPT	ION	ROCK CLASS IFICATION	ZXX	LEVEL	RECOVERY	R. Q. D& MAX,CORE L		LUGEON		EPT
		<u>, 🖔 </u>	區	FORMATION	31.01101	1.5	£ 1 1 1 1 1		δ <u>π</u>		CRO	o; em	sp em	in the second	io 30	30 43 50	α
	-						90 cm; top sail			8	N						
	-	4					k brownish and us sandy.	muca-				t w KC			x		T.
		2		Overburden	Δ.	Vollow	ish gray silty fi	on rand		Single)		100			(kg/stn²)		2
	ω[. A .	wite	h decomposed i			Sir				Ŷ.	Constant Re	ne al Eldin	
	ġ.	3.40			a :	trag	ments.		3.40	99		100			Maximum Co		3
					A	White	gray with patch	ies.	CM 3.90			60	TA .	7	nax mon co	a cergui	4
				Fine Sandst.	111	11							MV I	/ "	(O.D.		
		5.40			111	} Lamii	nated.				1	NXC					5
		620		Very Fine	7.7.7.5 7.7.7.3.5) Mudd) Lamii					6.00	100					6
	1	1 320		Sandstone	377		nateo. calcareous and		Сн	-	(Jan. 10) 800 AM			15			THE STATE OF
	1	Z 7.45		Fine Sandst	1.1.1		minated.			Double		1111100			-/.1		Z
			L	Very Fine	1/2	Calcare	eous and					1 100		10	7h##		8
	Ē	1		Sandstone	1/1/2	pate	ched and/or tan	ninated.		9	ļ			5)			
	7	9 35	100		7. 1.					99		KC	No.	- 1/	3.84 LU		S.
	S K	2				Greeni	sh gray, massiy	е,	9.70			100				i is i o	10
	E		1.34	Mudstone		Sai Brow	ndy and staky.		C _M 10.70					P			
		11.20	-	Breccia	<i>[[[</i>]	<u>-</u>	 	- Elm				i i i i i i i i i i i i i i i i i i i). l		15
	5	2 11,70		Very Fine	A A A A		ish silt st. patel brownish and	nea like.	1			ioc		15	1/1.14		12
-		12.75		Sandstone	11/19		minated.		J					10	71+4		
		4		Fine Sandst.	335	1	10 cm; muddy					HΞ		1	(13
	ω <u></u>	4 <u>13.95</u>		1	7777		reous and lamin					100		34	3.04 LV		14
	5	5			////	Some	greenish and n	nuddy.	Сн					o		15 70	
		1]	Fine Sandst.		Gray a	and massive.	1	"	<u>e</u>			i in X	P			15
	-	6 15.95		ļ	200	6	alared with bro			Double)	1 -	i iox			11.		16
		16.80	<u> </u>	Fine Sandst.	7927		ches and lamin			_]			1.5			-
		111,02	-	Fractured. Fine Sandst.	****		15 cm; muddy		1	Σ	į į		1	10	/		
		8 17.79		-	mini	Gray. Upper	15 cm; muddy	 		99		141,100		1			1 <u>8</u>
١.	2	9	l	Fine Sandst,	1.65	Calca	reous and patch	hed				i i i i i co		56	2,24 LU		190
	Jan.	y 1, 4			3-14	an	d/or laminated	L. 						17			
	2 5	0 20.00		 	A /4				20.00	μ		100		0	5 10	. ιδ . : Ω'	20
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1.	1	1	.								 						
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	iE	ننبا			<u></u>	4				ـــــا		E E	mentered estre	البلائي			بت

^{*}RQD is Bock Quthey Designation. RQD=(Total length of cylindric cores longer than 10 cm··· Total core length > 100\cdots
*LUGEON VALUE is !*min'm under injection **eter pressure of 10kg/cm
**
**BDEFFH and ELEVATION are in oceter
**
ADIAMETER is in californite
**
ADIAMETER is in californite

DRILL LOG HOLE NO. TG-6 SHEET NO. 1 OF 1

				-	DUILL	TO	U .	1	OLL	NO. I	0-0	SHEET	MO.	1 01			_
		PR	OJEC	r	SAPT GANDA	KI PROJ	EGT		1 1 1		DEPTH	20 M		ELEVATION] :
			ITE		TEST GROUT	ING SIT	E COORDINATE :			1	INCLINATION	VERTICA	\L	DRILL RIG	TONE UD	-5	1
	ÄV	ER.	IGE	CORE RY	75 %		DATE FROM	MAR. 4	ТО МА	R. 5 82	DRILLED			LOCCED	KIDO B		1
	Ī	1115	Y.S. ()			e residente des com			·	-1				territore		T	ſ
	ωİ		7	BLEVATION	ROCK TYPE	COLUMN		ROCK CLASS	BIT & DIAMETER	ROUND&ATER LEVEL	CORE		WAT	ER PRESS	URE TEST	Œ	
- 1	DATE		DEPTH	×	OR	SECTION	DESCRIPTION	X S	_ ¥	CND#AT	RECOVERY	R. Q. D	1.	LUCEON	VALUE	流	[:
.				님	FORMATION .	Section		. & <u>⊬</u>	불글	CKO	g (a	Si Si	5. 1	9 30	36 tg	<u></u> ا	١.
							No core was recovered.										1
	1						Ext. 46		odiq							1117	
						1974	14.							Applied PAG [kg/cn/4			
		2				Ī .			_ <u>=</u>	l . i			6	Contr. Italia	ot Figure	2]
	ı	_				100			7,00 8,00					Contr. Pare Uiv/galiy/n		III .	1
٠ [-	-3							8							3	
ŀ		-1	0.25						69							 -	
Į		4					A Commence of the Commence of						иMа	ximum Colu	Length.	4	
	ı	5	500		1			5,00	$\prod_{i=1}^{n}$			-111112	J. N.	20 00		111 -	1
	1	1	5.00 -5.20		Fine Sandst.	AND THE RESERVE		CA1.		5 3	evin l		nd o			5	
-	ı	6	1.		Very Fine to	111	Dark gray and laminated.		11 1		100	KIII I	1			6	
	1	_ [6.60		Fine Sandst.	1		C ₂₁									
	ŧ	2				1717	Upper I in; some greenish and				F KC		11			7	
	1	-	4,		Park Burg	11/1	muddy.	7.60]			io /	1,21,0]
	1	8			Fine Sandst.	Δ	Grayish and patched str.	- 1	$\parallel \parallel$		100		-1#			8	
	ı		6.80				Reddish brown cracks.		$\parallel \parallel$				5			-	
٠ ا	4	7	9.30		Fine Sandst.	1446	Silty and laminated.	CM			a introcer	X,	Ų.			9	
_ i	MAR	10	100			1111	Greenish and massive.						o	δ 1b	1Б	10	
. 1	-	1		\	Sandy		9.3 to 10.5 m; slaky	10.50		}			i.				1
	ł				Mudstone	11/2		<u> </u>			100					11	1
	Ì	Ŀŀ	11.32			4444	Includ. brownish silt patches.										
		32				1.7	Gray and lominated,				100					12	1
	1	- 1	13		Fine	118							10	0.07 Lu		<u> </u>	
Ė	ı	:13		٠.	Sandstone	11			5		100					13	
	-	- [118			Doub			11.3	5			l -	1
_ i	-	- 1	14.00		1	/X	 	-	a			111/11	Φ.			14	
	ı	15			Fine	Δ	Gray and massive;		9		100		o .	, s i 16	15 ()	i 15	1
ļ		Π			Sandstone	Δ,	including patches.	СН	99				ģ			ľ	1
		16				Δ		1 "	"		11 noc					16	1
		_ [2.44		.			$\parallel \parallel \parallel$				τδ				
	-	17	16.90 17.10		Sittstene		Sheared	_			100			0.2 Lu		37	
		- [17.75	<u></u>	Fine Sandst.	k.	Gray and massive						10	U.Z LU		-	
:		-	18.35		Fine Sandst.	Δ Δ Δ	Dark gray and patched str.	- 1	11. 1		ti di ROO					18	1
ļ	S	19			Tracket in	1.1	White gray with lamination,		$\parallel \parallel$				5			10	1
	œ	1			Fine Sandst.	1.1.1	10 3 11 10 0 1 1 1										
	ž	20	20.00	<u> </u>		,,,,,	19.7 to 19.9 m; including a gra siltstone patch layer.	20.00	∐ [noc		O 1	5 10	15 6	20	
		_ [1	10 10 10 10	5.7		· ·	1.								
		\dashv		[· · · · ·	1	1			Ι .							# -	ļ
		-		l :	1				.							-	HOLE
ag [*]					1	• • •		:					111			-	ĮΉ
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2		Н							: "				15. 11.				1
1	10			* is					4.5		territorial to						1
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			1 - 2	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	347.43	<u> Ethetis, H.J. (1876) (188</u>		L.,	1			ii: iii			ill .	3

[#]RQD is Rock Quility Designation, 'RQD='l'Ital) length of cyliddric cores longer than 10 cm./iTotal core length > 100's

#LUCEON VALUE is 1/stal/a under injection water pressure of 101g/cm'

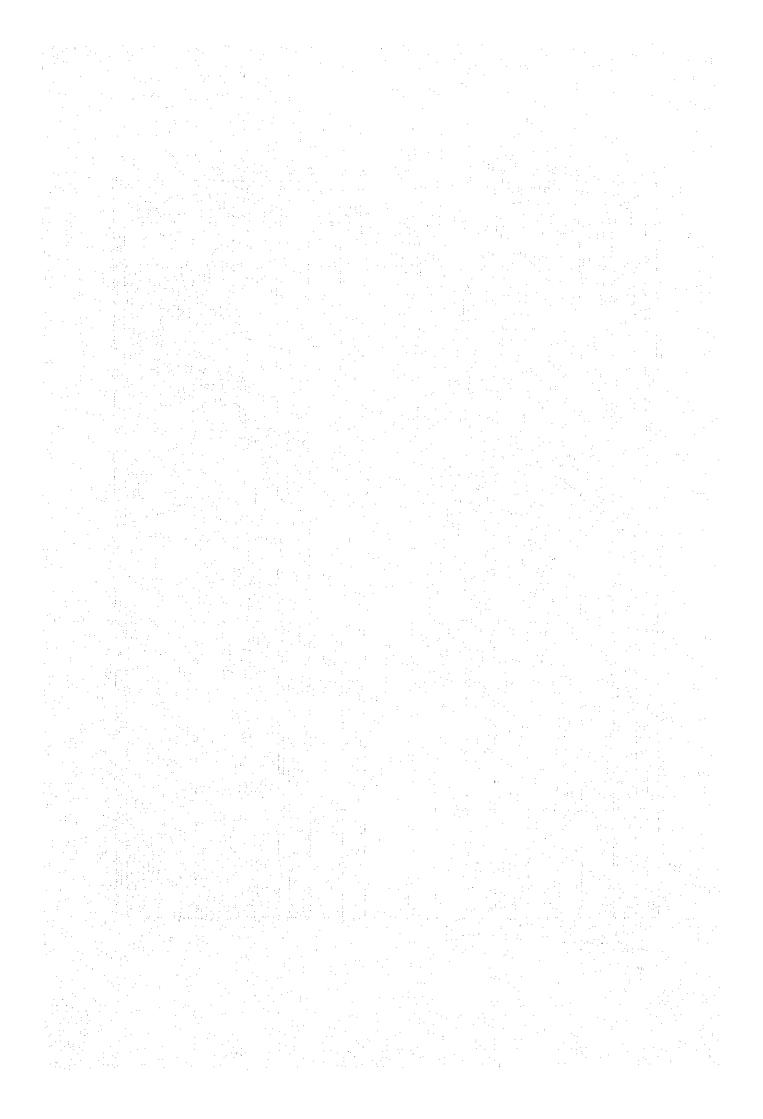
#DEPTH and RLEVATION are in meter

#DIANETER is in millimeter

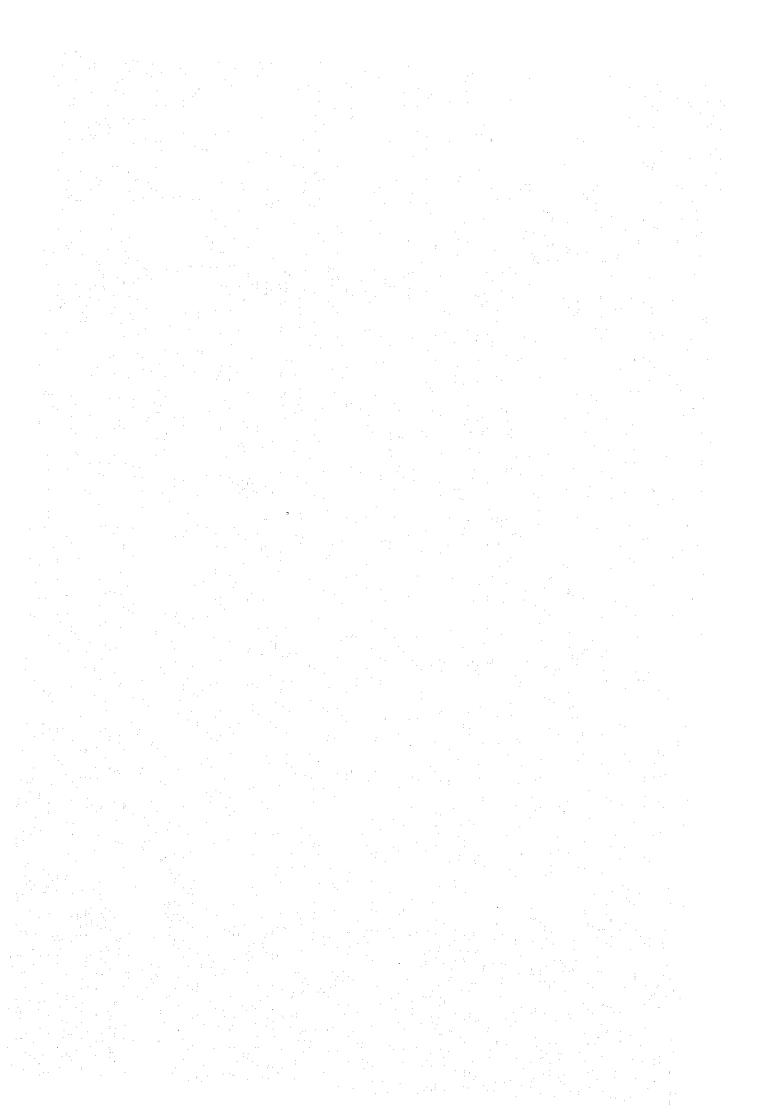
HOLE NO. TG-7 SHEET NO. 1 OF 1

ſ		PROJEC	r	SAPT GANDA	KI PRO	JECT						DEPTH	T	20 M		ELEVATION		
		SITE		TEST GROUT	ING SI	rE	COORDINATE	1	•	•		INCLINAYK	8 1	ÆRT IC	AL	DRILL RIG	TONE. UD	- 5
Ţ	AV)	RAGE RECOVE	CORE	75 %			DATE	FROM M	AR.5	то ма	R.7'82	DRILLE	n by	KUMA	L	LOGGED	KIDO by KUMA	AWA
Ī	Ţ		1	ROCK TYPE	COLUMN		:		S ×	Y. K.	TER	CORE			WAT	ER PRESS	URE TEST	
ı	4	DEPTH	ELEVATION	OR :			DESCRIPT	ION	ROCK CL.	BIT & DIAMETER	ROUNDWATER LEVEL	RECOVERY	R.	Q. IJ & CORE L 50 cm		LUGEON	. 1	DEPTH
. [1	a .	ELE	FORMATION	SECTION				S F	DIA	380U	20 000		50 cm		2.001.0tt		
· Ì	Ī.	-T				No core	Mas recovered			-	1			ÍM				
П	E	1 .		i .			necessarily.			P. S.						Applied Fre		1
-	100	-	1 .					٠.		_ m						(kg/m²)		
1	Ē	<u>-</u>		1		•	• .			Cosh,	44.5					COOST, Hate	el Flow	
		3			[1								
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1	F	4			[٠.					# 1 #	Н.			##4
ł		5 500			1 - 1	: .	<u> </u>	4	5.00			iii o				aximuni Ca	e Length	
1	Į.	5 50		Fine Sandst.	1111		ray and lamina									O 0 (%)	(c) II	
ı	Ę	6	l	l		Upper 1	10 cm; dark gra rnuddy			-		NX.						6
	E	7			1.7) <u></u>		**	1.1									
	αĖ			Fine Sandst.	1.5	Grayn	usn. ed and/or lamir	nated.										
- [Σ	8			1/4	lf:	l. brownish cra		C _M									8
		870	·		A /)								A H				
		9		Sandy	////	Greenis	h gray and ma	ssive.	•				17					19
		10,20		Mudstone	1///	9,0 to 1	10.2 m; slaky		10.20			ļα						10
	Ė	- 10.65				Gray ar	nd massive.	7	1.0.20					Mil	Ŋ.			
-	Ē	11		Fine Sandst.	65. 8.		, patched and/	or]			H. Po						щ
	1	12 ,2 20	100		11.14		II laminated.		:		1			17:11	5			
		12.20	<u> </u>	 	iiiiiii		12 m; silty. 12.3 m; mudd	v.	-	<u>@</u>				4	. (1.2 tu		
: 1	100	13.40	· .	Fine Sandst.	111	12.7 to	13.4 m; lamin	ated.	100	Double		ıα						13
	9	- 1		<u> </u>	1777				1		1				5			
	MAR	14.4 <u>5</u>	L	Fine Sandst.	1///	Muddy	and some slaky	Y		e	:	11111		iX ii	P			14
ŀ	Σ.	<u>15</u>	·	:	Δ.	Gray ar	nd massive;		C _H	~		III o		HXIII	0	5 lo	15	15
-	1	-		Fine Sandst.	Α Δ	inc	luding patches	• :		18				ii Ne	P			
ı	E	16.30 - 16.50	<u> </u>	J			<u> </u>					× ×	77	Ж	1			16
ł	Ē	7		Mudstone	philit		g slip with clay	seam.				$-\infty$			5 :::			17
1	E	-	1	Fine Sandst.		Upper 3	30 cm; muddy		1	11 1	1		1		0 0	A Vo		
1		8 17.95	 -	-				<u> </u>	-			100						18
	~	19		Fine to Med.	177		gray, laminated caceous.	and							5			
•	MAR	_		Sandstone	177	Cores a	ire fong and goo	ю.										
- }	2	20.00	1	-	1.1	ļ			20.00		<u> </u>	iiiiiiiii jo	崊		0	io	16	20
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^{**}RQD is Rock Quality Designation, RQD=(Total length of cylindric cores longer than 10 cm^{1/2} Total core length > 100°; **LIGEON VALUE is Umin'm under injection water pressure of 10\g/em' **DEPTII and ELEVATION are in meter **DIAMETER is in millimeter



RECORD OF WATER PRESSURE TEST (37 SHEETS)



	: 		LUGEON UNIT	La=Q'/L H×104			6.6								3.1							9.9			1						
	daki River)		COEFFICIENT OF	K=Q/H×C cs/sec	1.13 × 10-4	1.41 × 10 ⁻⁴	8.99 × 10 ⁻⁵		2.19 x 10 4	5.28 × 10-5	9.16 x 10-4	2.30 × 10-4	8.39 x 10-5	5.83 × 10 ⁻⁵	4:29 x 10-5	6.88 × 10-5	1.01 × 10-4	2.29 x 10 ⁻⁴	7.00 × 10 ⁻⁵	2.14 x 10 ⁻⁴	1.29 x 10 ⁻⁴	8.94 × 10 ⁻⁵									
	Sant Gan		о¦æ	oi⊞/∑m	4.11	5.13	3.27		7.97	1.92	3.33	8.38	3.05	2.12	1.56	2.5	3.68	8.32	2.55	7 79	4.68	3.25	•								
DAMSITE: RIVERBED	. 7	***************************************	CALCULATING CONST.	C min/cm-sec	2.75 × 10 ⁻⁵	2.75 x 10"5	2.75 × 10"5		2.75 × 10 ⁻⁵	2.75 x 10-5	2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵	2.75 x 10 ⁻⁵	2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵	2.75 x 10 ⁻⁵	2.75 x 10 ⁻⁵	2.75 x 10 ⁻⁵	2.75 × 10-5	2.75 x 10-5	2.75×10^{-5}	2.75 x 10 ⁻⁵					100				
DAM		i	WATER LEAKAGE	Q may min	4,440	15,800	16,600		32,500	4,000	. 3,600	25,800	15,500	15,000	15,750	15,200	15,000	17,300	 2,750	24,000	23,750	23,000	-								
ıtry	COUNTY WATER CENTER	אטונט די	WATER	Q' 4/min	4.44	15.8	16.6		32.5	4.0	3.6	25.8	15:5	15.0	15.75	15.2	15.0	17.3	2.75	24.0	23.75	23,00		4 4 4 4				11.			
LOCALITY	TM1000	GROOM	TOTAL READ Hp+Hs+Hg	H	1,080	3,080	5,080	7,080	4,080	2,080	1,080	3,080	5,080	7,080	10,080	6,080	4,080	2,080	1,080	3,080	5,080	7,080	10,080	4.5							
		1	PRESSURE GAUCE TOTAL HEAD HEIGHT HP+Hs+Hg	Hg	۱.	250	250	250	250	250	-250	250	250	250	250	250	250	250	 250	250	250	250	250			1:					
			STATIC HEAD IN HOLE	19	1_	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170	-170								
				H.	1 .	3,000	5,000	7,000	4.000	2,000	 1,000	3,000	2,000	7,000	10,000	000,9	4,000	2,000	1,000	3,000	2,000	7,000	10,000								
TECT			SUPPLIED WATER PRESSURE PRESSURE HEAD	2 10/89 d			5	1	7.	2	1		5	7	10	9	4	2	 . 1.	3	5	_	10								
SAPT GANDAKI PROJECT	. 000	1-000	HOLE S	6	2.8						2.8								 2.8												<u> </u>
SAPT G			SECTION	15 17					_		200								- 500					-							
PROJECT	Done not a	KE-HOLE No.	регтн	1 16	25.0 to 30.0						30.0 to 35.0								35.0 to 40.0												
	100		DATE	1	MAR. 10						MAR 11								MAR.11											L	

					. •		٠																									i	
ATTACHMENT-III.2			LUGEON UNIT	Lu=Q'/L'HX10*				5.6					3.1					5.0	*				3.5										
ATTACHM		Sapt Gandaki river)	COEFFICIENT OF PERMEASILITY	K=Q/H×C =/sec	1.80 x 10 ⁻⁴	1.61 × 10"4	1.01 × 10"4	7.62 × 10 ⁻⁵		1.43 x 10 ⁻⁴	1.16 × 10-4	6.49 × 10 ⁻⁵	4.83 × 10 ⁻⁵		1.08 x 10-4	1.47 × 10 ⁻⁴	9.11 × 10-5	6.77 × 10-5		8.46 × 10 ⁻⁵	1.09 x 10 ⁻⁴	6.40 × 10-5	5.38 x 10 ⁻⁵										
			O.p.	cm²/min	6.54	5.86	3 69	2.77		9.16	7.43	4.16	3.10		3.93	5 34	3.31	2.46		5.42	6.97	4.10	3.45				_						
	DE: RIVERBED	(drilled in the	CALCULATING CONST.	C min/carsec	2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵		1.56 x 10 ⁻⁵	1.56 × 10 ⁻⁵	1.56 x 10-5	1.56 × 10 ⁻⁵		2.75 × 10 ⁻⁵	2.75 × 10 ⁻⁵ .	2.75 x 10 ⁻⁵	2.75×10^{-5}		1.56 × 10 ⁻⁵	1.56 × 10 ⁻⁵	1.56 × 10 ⁻⁵	1.56 x 10 ⁻⁵										
TEST	DAMSTER	TEVEL	WATER LEAKAGE	Q CB //min	7,000	18,000	18,700	19,600		9,800	22, 800	21,100	21,900		4,200.	16,400	16,800	17,400		5,800	21,400	20,800	24,400										
SSURI	ıry	GROUND WATER LEVEL	WATER	G C/min	7	.18	18.7	19.6		. 9 . 8	22.8	21.12	21.9		4.2	16.4	16.8	- 17.4		5.8	21.4	20.8	24.4	ì									
ER PRE	LOCALITY	GROUND	TOTAL HEAD	ŧ	1,070	3,070	5,070	7,070	10,070	1,070	3,070	5,070	7,070		1,070.	3,070	5,070	7,070		1,070	3,070	5,070	7,070	10,070									
F WAT			PRESSURE CAUCE THE CHIC	H.	250	250	250	250	250	250	250	250	250		250 ·	250	250	250		250	250	250	250	250		1.							
RECORD OF WATER PRESSURE			STATIC HEAD IN HOLE	£ £	-180	-180	-180	-180	-180	-180	-180	180	-180		-180	-180	-180	-180		-180	-180	-180	-180	-180									
RE			PRESSURE	B #	2,000	3,000	5,000	7,000	10,000	1,000	3,000	5,000	7,000		1,000	3,000	5,000	7,000		1,000	3,000	5,000	2,000	10,000	:					-			
	E.		SUPPLIED WATER	P kg/gg	1	٦.	3	7	10	. 1	5	>	t-			3	2.5	-		1	3	5	7	10					2		-		
	SAPT GANDAKI PROJECT	2	RADIUS	5	2.8					2.8		:		-	2.8				-	2.8												:	
	SAPT GAND	B80-2	SECTION	3	500					1,000					200					1,000													
	PROJECT	BORE-HOLE No.	БЕРТН	E (E	25.0 to 30.0			1.7		20.0 to 30.0					35.0 to 40.0		1			30.0 to 40.0													
		<u></u>	DATE		MAR. 21					MAR.21					MAR. 22					MAR.22													

					R	RECORD (OF WAT	WATER PRESSURE TEST	SSUR	E TEST	i i i i i i i i i i i i i i i i i i i		ATTACH	ATTACHMENT-111.3	
	PROJECT	SAPT GAN	SAPI GANDAKI PROJECT	UBCT:				LOCALITY	LITY	DAMSITE:	TE: LEFT BANK			: (· .
m	BORE-HOLE No.	B80-3	3					GROUND	GROUND WATER LEVEL	EVEL	Varied from 12.9	æ	to 30.2 m		
	БЕРТЯ	SECTION	HOLE	SUPPLIEDWA	E	STATIC HEAD	PRESSURE CAUCE	1	WATER	WATER LEAKAGE	CALCULATING CONST.	O;2	COEFFICIENT OF	LUGEON UNIT	<u> </u>
DATE		Howar		PRESSURE	HEAD	IN NOLE	145	Hp+H+4H			7. ×5×1.2 1. ×5		1 I Programme I		
	B - 8	8	. 9	P kg/cm²	Hp. can	F. 9.	Hg ca	B =	Q. <th>Q cestain</th> <th></th> <th>Carl/min</th> <th>K=Q/H×C ex/sec</th> <th>La = Q'/L·H×10*</th> <th>-</th>	Q cestain		Carl/min	K=Q/H×C ex/sec	La = Q'/L·H×10*	-
MAR. 14	16.0 to 21.0	200	3,3	2	2,000	1,290	30	3,320	5.4	5,400	2.66 x 10 ⁻⁵	1.63	4.34 × 10 ⁻⁵		
				4	4,000	1,290	30	5,320	5.8	5,800	2:66 x 10=5	1.09	2.90 × 10 ⁻⁵		: -
L				ş	6,000	1,290	33	7,320	€*9	6,300	2.66 x 10-5	98.0	5.29 × 10 ⁻⁵		-
				8	8,000	1,290	30	9,320	7.0	7,000	2.66 x 10 ⁻⁵	0.75	2.00 × 10-5	1.7	
MAR.14	21.0 to 25.0	400	3.3	2	2,000	1,310	30	3,340	3.2	3,200	3.18 × 10-5	0.96	3.05 × 10-5		
			. :	4	4,000	1,310	30	5,340	3.3	3,300	3.18 x 10 ⁻⁵	0.62	1.97 × 10-5		1
			3.1	. 9	9 000	1,310	30	7,340	4.5	4,500	3.18 × 10 ⁻⁵	0.61	1.94 x 10 ⁻⁵		
				80	8,000	1,310	30	9,340	1.5	5,100	3.18 x 10-5	0.55	1.75 × 10"5	1,6	·
			-									Ţ			-
MAR, 25	25.0 to 30.0	500	3.3	1	1,000	1,360	30	2,390	2,4	2,400	2.66 × 10 ⁻⁵	1.00	2.66 × 10 ⁻⁵		
				3	3,000	1,360	20	4,390	2.8	2,800	2.66 × 10 ⁻⁵	0.64	1.70 x 10 ⁻⁵		
				5	5,000	1,360	30	6,390	3.5	3,500	2.66 x 10-5	0.55	1.46 x 10-5	 	<u>.</u>
					7,000	1,360	30	8,390	5.2	5,200	2.66 x 10 ⁻⁵	0.62	1.65 x 10 ⁻⁵	1.5"	: '
				9	9	3,360	30	7,390	3.1	3,100	2.66 × 10 ⁻⁵	0.42	1.12 x 10-5		<u>.</u>
	1 :	-		2	2,000	1,360	30	3,390	1.7	1,700	2.66 × 10-5	0.50	1.33 × 10 ⁻⁵		
															15.
MAR.17	30.0 to 35.0	200	3.3	1	1,000	1,550	30	2,580	.48	48,000	2.66 x 10 ⁻⁵	18.60	4.95 x 10 ⁻⁴		
				1.4	1,400	υ25.1	30	2,980	58.	58,000	2.66 x 10 ⁻⁵	19.46	5.18 × 10-4	83	·:
															<u>.</u>
MAR. 17	35.0 to 40.0	200	3.3	0.	0	7,860	×	1,890	>64.	>64,000	2.66 x 10 ⁻⁵	>33.86	>9.01 x 10-4		
MAR.18	40.0 to 45.0	500	3.3	0	٥	3,020	30	3.050	>64	>64,000	2.66 x 10 ⁻⁵	>20.98	>5.58 × 10 ⁻⁴		
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ATTACHMENC-III,4			EUCEON UNIT	Los Q'/L·H×104	S		6.0						13.08							69.0	7 44			A Landania	1 1 A		0.53			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0.31			
ATTAC			COEFFICIENT OF PERMEABILITY	K=Q/H×C m/sec	1.81 × 10 ⁻⁵	7.62 x 10-5	+_01 × 11.1	9.24 × 10-5	1.03 × 10 ⁻⁴		1.14 × 10 ⁻⁴	1.22 × 10 4	1.36 × 10-4	1.03 × 10-4	5.30 × 10-5		1.18 × 30 5	8.33 × 10 ⁻⁶	8.63 × 10 ⁻⁶	7.54 × 10-6	2.43 x 10 ⁻⁶	ō	1	1.30 × 10-5	9.21 2.10	7.46 × 10 ⁻⁶	5.89 × 10-6	6.15 2 10-6	6.52 × 10 ⁻⁶		2.71 × 10-6	2.69 × 10 ⁻⁶	3.69 x 10 ⁻⁶	4.22 × 10 ⁻⁶	5.40 × 10 ⁻⁶	
			Office	cm²/min	89.0	1.74	4.17	3.48	3.86		4.27	4.60	5.30	3.85	8		0.45	0.31	0.32		60.0	0		. 67.0	0.35	0.28	0.22	0.23	77.0		0.30	0.10	71.0	0.16	0.30	
	DAM: B-SITE LEFT BANK		CALCULATING CONST.	C min/carsec	2.66 × 10-5						2.66 × 10-5						2.66 × 10 5							2.66 × 10-5						7 7 8 8 1	2,66 x 10 ⁻⁵					
TEST	DAM: B-SIT	EVEL	WATER LEAKAGE	Q cat/min	006	7,500	18000	6800	5100		10300	20300	32700	17000	0087		2100	17.00	21.00	2700	. 500	0		1700	1900	2100	28	1500	0011		38	8	3100	1100	800	
SSURE	ITY	GROUND WATER LEVEL	WATER	Q' C'min	6.0	6.7	2.8	8.6	5.1		10.3	20.3	32.7	17	60		1.1	3,4	2.1	2.4	0.5	o		1.7	1.9	2,1	2,1	1.5	1,1		0.3	0.5	1.1	1.1	8.0	
RECORD OF WATER PRESSURE TEST	LOCALITY	GROUND	TOTAL READ	н	1320	2820	4320	2820	1320		2/10	0177	0179	0174	2/10		2470	0277	07.79	84.70	5470	3470		37.90	51.90	7490	0676	9490	0677	Na Pr	2940	0767	0762	:07/69	3940	
F WAT			PRESSURE CAUCE TOTAL HEAD HEIGHT HP+Hs+Hg	Hg om	0/						70						22							22	~~-						02		į.			
CORD			STATIC HEAD Y	**	250			1			1340						1400		,					1420							870			1		
RE			ED WATER PRESSURE SURE HEAD	Hp g	1000	2500	0007	2500	1000		1000	3000	5000	3000	1000		1000	3000	2000	2000	0007	2000		2000	0007	0009	8000	5000	3000		2000	0007	7000	0009	3000	
** ** ** **	JECT		SUPPLIED WAT	P kg/cm²		2.5	17	2.5	1		1	9	5	3	1	٠.	-1		2	4	7	22		2	7	9	8	r	3	14	2	4	7	9	3	
	- H	(E)	HOLE	8	3.3						3.3						3.3					-		3.3						3	3.3					
	SAPT G	B81 - 3	SECTION	1							500						58							58					2		500					
	PROJECT	BORE-HOLE No.	рертн	E E	8				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		20 to 25	[45] [24]					25 to 30							30 to 35.		ř					35 to 40	*				
	ľ	8	DATE		7.83.	_					PEB.5						9	ـــٰـــا						PEB.7							PEB.7					

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ATTACHMENT-III,5	-	1	LUGEON UNIT	Lu Q'/L·H×10*				1,3						1.18																				
ATTACH			COEFFICIENT OF PERMEABILITY	K=0/H×C-m/sec	5.36 × 10-6	8,01 × 10 ⁻⁵	3.04 × 10-5	1.33 × 10 ⁻⁵	1.83 × 10 ⁻⁵	1.47 × 10 ⁻⁵	1.49 × 10 ⁻⁵	1.54 × 10 ⁻⁵	1.41 × 10 ⁻⁵	1.42 x 10-5	1.66 × 10-5	1.51 × 10-5																		
			OΙΞ		0,20	0.30	0.39	0.50	0.69	0.35	0.56	0.58	0.53	0.53	0.62	0.72	100							 	****		:							
	DAM: B-SITE LEFT BANK		CALCULATING CONST.	C min/cm.sec	2.66 × 10-5						2.66 x 10 ⁻⁵																							
TEST	DAM: B-SI	EVEL	WATER LEAKAGE	Q cm3/min	009	1800	3500	5500	9260	2200	1,700		0087	5900	2000	2900	# 1 m																	
SSURI	YTI	GROUND WATER LEVEL	WATER	Q' C/min	9.0	1.8	3.5	5.5	5.5	2.2	1.7	3.5	4.8	5.9	5.0	2.9						: ::											1 ()	
R PRE	LOCALITY	GROUND	FOTAL HEAD	Н	2960	5980	8980	10580	7930	3980	3030	6030	9030	11030	8030	7030												- :						
F WATE		- -	PRESSURE CAUGE TOTAL HEAD	Hg		-				-	7.0													:		1 .								
RECORD OF WATER PRESSURE TEST			STATIC HEAD P	£	910						960			1 1 1 1 1 1 1 1																				
RE			PRESSURE HEAD	£ 4	3000	9006	9000	10000	7000	3000	2000	5000	8000	10000	7000	3000																		
	JECT		SUPPLIED WATER PRESSURE	P 1/2/CH ²	. 02	15.	100	30		6	2	5	8	ဥ	7	6		-		- :-			-											-
	SAPT GANDAKI PROJECT	(%)	HOLE RADIUS	8	3.3						3.3								1		2					-			-					
	SAPT CA	B81 - 2	SECTION	8							200				_																			
	PROJECT	BORE-HOLE No.	ОЕРТН	E	40 to 45						45 to 50																							
		8	DATE	1	FEB.9						FEB 10																							

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	1 - <u></u> 										_										 · · · · ·				-				-						زست	
ATTACHYENT-III.6			LUGEON UNIT		La=0'/L-Rx10*		C.7.					2.33						2.45					1.28							1.83						
ATTACHE			COEFFICIENT OF	FERMEABILLII	X=Q/H×C ca/sec	5.65 × 10 ⁻⁶	7.84 × 10-6	2.82 x 10 ⁻⁶	10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may 10 may	1.49 × 10 ⁻⁵	1.54 × 10-5	2.86 x 10 ⁻⁵	2.34 x 20-5	8.51 × 10-6		2.51 × 10-6	2.61 × 10 ⁻⁵	3.07 × 10 ⁻⁵	2.42 × 10 ⁻⁵	2.13 × 10 ⁻⁵	-	8.53 × 10 ⁻⁶	1.57 × 10 ⁻⁵	1.47 × 10 ⁻⁵	9.30 × 10-6		3.85 × 10 ⁻⁵	4.01 × 10-5	3.12 × 10 ⁻⁵	2.29 × 10-5	2.27 × 10 ⁻⁵	2.72 × 20 ⁻⁵				
			00		cat/min	91.0	0.22	90.0		95.0	88	1.08				0.32	0.58	1.15	0.91	8.0		0.32	0.59	0.55	0.35		1.45	1.51	1.17	0.86	0.85	1.02				
	DAYSITE B: RIGHT BANK		CALCULATING CONST.	シャンウンナラマナン	C min/me-sec	3.53 × 10 ⁻⁵				2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵									
TEST	DAKSITE	SVEL	WATER LEAKAGE		Q cu3/min	280	58	001		302	330	3500	2000	007		007	2700	7,900	2500	1000	0	1100	3200	1900	S.		21.00	5200	9779	97.00	3800	2500				
SSURE	<u>È</u>	GROUND WATER LEVEL	WATER		Q. (/min	0.2	0.5	0.1		0.7	1.3	3.5	2.0	7.0	- 1	0.4	2.7	4.9	2.5	1:0	0	1.1	3.2	1.9	0.5		2.1	5.2	6.4	6,4	3.8	2.5				
RECORD OF WATER PRESSURE TEST	LOCALITY	GROUND	TOTAL HEAD	Rp+Rs+Hg	.δ ±	1250	2250	1250		1250	2250	3250	2250	1250		1.250	2750	4250	2750	1250	05T	3430	54.30	31.30	1430	1	1450	34.50	54.50	7450	0577	24.50	2	-2,		
F WAT			PRESSURE GAUGE TOTAL HEAD	HEI CHT	18 H	-10	10.0			-10						-10			-		-10						-10									
CORD O			STATIC HEAD	IN HOLE	H2	260.	1 :			260			-			250		12.			077					:	097							l		
RE			JRE		R)	1000	2000	1000		1000	2000	3000	2000	1000		1000	2500	7000	2500	1000	1000	3000	9009	3000	1000		1000	3000	9005	2000	0007	300	- 1			
	JECT		SUPPLIED WATER PRESSI	PRESSURE HEAD	P kg/cm1	7	8	et		1	2	3	2			Ţ	2.5	4	2.5	1	1	3	5	~	1			3	5	7	4,	2				
	SAPI GANDAKI PROJECI	(τ)	HOLE		8	3.3				3.3						3.3					3.3						er er					4				
	SAPT GA	B81 - 3	SECTION			350				500						500					500			1.3.			200					1, 1, 1, 10		: 		
	PROJECT	BORE-HOLE No.	ДЕРТИ		m — m	7,5 to 11				10 to 15						15 to 20					20 to 25						25 20 30									
		22		DATE		MAR.11)	MAR.12						MAR 12					MAR.13						W48 14									

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VI-111.7			LUGEON UNIT	Le=Q'/L-H×10*				2.3							2.07	. \						7.66							1.62						: :
ATTACHMENT-111.7			COEPFICIENT OF FERMEABILITY	X=Q/H×C ca/acc	5 43 × 10 ⁻⁵	4.12×10^{-5}	3.13 × 10 ⁻⁵	2.90 × 10 ⁻⁵	3.51 × 10 ⁻⁵	5.17 × 10 ⁻⁵		2,62 x 10 ⁻²	2.38 × 10 ⁻⁵	2.35 x 10-5	2.44 × 10-5	2.72×10^{-5}	3.97 x 10 ⁻⁵	10 10 10 10 10 10 10 10 10 10 10 10 10 1	5.71 × 10 ⁻⁵	5.33×10^{-5}	5.44 × 10 ⁻⁵	5.44 × 10-5	5.23 × 10-5	5.21 × 10 ⁻⁵		3.42 × 10 ⁻⁵	2.86 x 10 ⁻⁵	2.37 × 10 ⁻⁵	1.89 x 10 ⁻⁵	2.46 × 10 ⁻⁵	5-01 × 60.4		2		
: . :			OFE	co*/min	2.04	1.55	1.18	1.09	1.32	1, 94		86.0	0.89	0.38	0.92	1.02	1.49		2.04	2.00	2 04	2.05	1.97	1 96		1.28	7.07	0.89	0.71	0.63	1.54				
			CALCULATING CONST.		2							2.66 × 10 ⁻⁵							2,66 x 10 ⁻⁵							2,56 × 10 ⁻⁵									
TEST		LEVEL	WATER LEAKAGE	Q CS#/m)n	2009	0069	7600	9200	7200	6700		3100	7,600	7200	9300	7300	4700		6900	12800	19200	23300	16500	8600		77,00	0069	84.00	8100	7800	6800				
SSURI	JTY	GROUND WATER I	WATER	Q' (/min	5.0	6.9	7.6	9.5	7.2.	6.7		3.1	9.4	7.2	9.3	7.3	4.7		6.9	12,8	19.2	83.3	16.5	8.6		7.7	6.9	4.8	8.1	7.8	8.8				
ER PRE	LOCALITY	GROUND	TOTAL HEAD Rp+Hs+Hg	H B	24.50	44.50	61,50	8450	5450	3450		3150	51,50	8150	10150	71.50	3150		3390	6390	9390	11390	8390	4390		34.25	64.25	94.25	114.25	84.25	14,25				
RECORD OF WATER PRESSURE			PRESSURE CAUCE HEI CHT	Hg 9	위							-10							-10						:	-10				•					
CORD			STATIC HEAD IN HOLE	H.	<u>_</u> ا							1169	1.0			:			1400				,	-		1435				1 1 1					
RE	:		ER PRESSURE HEAD	H ₃		0007	0009	8000	2000	3000		2000	0007	7000	9000	909	3000		2000	5000	8000	10000	2000	3000		2000	2000	8000	10000	2000	3000		:		
	JECT		SUPPLIED WATER PRESSURE PRESSURE MEAD	P kg/m3	. ~	,	9	ω	2	3		2	17	c -	6		3		2	}	40	10	7	3	100	2	5	το.	10	7	3				
: :	ANDAKI PROJECT		HOLE	δ								3.3							3.3							3.3								4 T	
	SAPT GANDA	B81 - 3	SECTION LENGTH	L 8	L							200		:					500		-					200					1 7				
	PROJECT	BORE-HOLE No.	DEPTH	8	30 to 35							35 to 40							40 to 45							45 to 50									
1		A	DATE	_	MAR. 14					: ·		MAR.1.5							MAR.16							MAR.17									

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ATTACHMENT-III.8			LUGEON UNIT	10-47/1-HX10	159.3	10.4		1	6 7			: .			2,8				e e			16.1						2.3	 [14]					
ATTAC			COEFFICIENT OF PERMEABILITY	K#Q/HXC =/sec	1.47 × 10-3	1.14 × 10-4		1.22 × 10 ⁻⁴	1. 66 × 10-4	1.15 × 10-4	5-01 x 95 4		5.91 × 10 ⁻⁵	6.94 × 10 ⁻⁵	3.54 × 10-5	4.0 × 10 ⁻⁵	6.83 × 10 ⁻⁵	1.01 × 10 ⁻⁴		1.24 × 10-4	1.97 × 10 ⁻⁴	2.01 × 10-4	2.12 x 10 ⁻⁴	3.30 × 10 ⁻⁴	5.69 × 10 ⁻⁵	4.87 × 10 ⁻⁵	3.58 × 10 ⁻⁵	2.80 × 10-5	4,02 x 10 ⁻⁵	5.86 × 10 ⁻⁵			4	
			оtа	cm1/min		 82		3.07	4.12	2.88	35.		2.22	2,61	1.33	1.50		3.81		7.66	_	7.57	7.96	12.41	2.14	1.83	1.35	1.05	1.51	2.20			-	
	A-SITE RICHT BANK		CALCULATING CONST.	C min/cm-sec	3.98 × 10-5	2.66 × 10 ⁻⁵		3.98 × 10 ⁻⁵					2.66 × 10 ⁻⁵							2.66 × 10 ⁻⁵					2.66 × 10 5									
TEST	DAM: A-SI	LEVEL	WATER LEAKAGE	Q cm3/msn	47800	5200		6800	13,600	0079	1,00		2800	\$900	2000	9400	5800	.087		9200	24,700	70300	26,500	16500	3200	007/9	24:00		9800	5500				
SSURE	JTY	GROUND WATER L	WATER	0. 1/min	.7.8	5.5		6.3	3	6.4	-		2.6	5.9	7,0	6.4	5.8	8.7		6.2	2.4.2	7.07	26.5	16.5	3.2	7.9	7.6	4.9	6.8	5.5				
ER PRE	LOCALITY	GROUND	TOTAL HEAD Rp+Hs+Hg	5 22	1290	1215		2215	3215	221.5	12,5		1260	2260	5260	4260	2260	1260		1330	3330	5330	3330	1330	 1495	3495	54.95	7495	44.95	24.95		:		
RECORD OF WATER PRESSURE TEST			PRESSURE GAUGE	Hg	30	30		30	- 1				30							30					30									
CORD C			STATIC HEAD IN HOLE	£	260	185		185					230							300					465			1 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1 mm 1 m						
RE			ERPRESSURE	H _p	1000	1000		2000	3000	2000	1000		1000	3000	5000	0007	2000	1000		1000	3000	5000	3000	1000	3000	3000	5000	7000	0001	2000				
	ECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P M/cm²	7	7		2	3	3	Н		ī	2	2	7	cz	1		1	6	ŕ	.9	1		η.	5	7	-4	2				
	SAPT CANDAKI PROJECT	(1) 7	HOLE	5	9.3	3.3		3.3					3.3		5. . :					3.3		,			3.3									
	SAPT C	B81 - /	SECTION	.1 .1	38	200		300					500							500					500						::			
	PROJECT	RORE-HOLE No.	DEPTR	i s	وا	10 to 15	. !	12 to 15					15 to 20							20 to 25					25 to 30									
		[8]	DATE		NOV.26	NOV.27		NOV:27					Nov. 29							NOV.30					DEC.1									

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ATTACHMENT-111.9				LUCEON UNIT	T=6/T-8×10,		a see that		2.3							70.0												And the second			1 1 1		 	
ATTAC				COEFFICIENT OF PERMEABILITY	K=Q/H×C @/sec	4.86 x 10 ⁻²	3.51 × 10-5	2.86 × 10-5	2.53 × 10 ⁻⁵	3.22 × 10 ⁻⁵ -	4.54 × 10-5		5.21 × 10-5	4. 23 × 10 ⁻⁵	6.11×10^{-5}	1.33 × 10 ⁻⁴	6.82 × 10-5	62 x 20-5																
· :				ota:	om²/min	1.83	2.32	-	0.95	1.2			1.96	1.59	2:30		2.56	1.74		_														
	A-SITE RICHT BANK			CALCUEATING CONST.	C min/cm/sec	2.66 × 10 ⁻⁵						1	2.66 × 10"5																					
TEST	DAM: A-SI	EVEL		WATER LEAKAGE	Q cm ³ /min		7200	8000	0006	7800	2600	400	7.700	7000	1,7000	7,000	16400	0065	3 -															
SSURE	ITY	GROUND WATER LEVEL		WATER	Q' / /min	6.3	7.2	8.0	0.5	7.8	7.6		4.7	7.0	17.0	0.47	16.4	5.9			-					-			-					
RECORD OF WATER PRESSURE TEST	LOCALITY	GROUND		TOTAL READ HP+Hs+Hg	.E	34.50	5450	74.50	94.50	64.50	05477		24,00	0077	2400	0076	0079	3400								and a section				- - - -			:	
F WAT		: : 		PRESSURE CAUGE TOTAL HEAD HEIGHT HP+Hs+Hg	8 II	30							30																					
CORD				STATIC HEAD IN HOLE	5 E	1420					:		370		-1.						:													
RE			1.0	ER PRESSURE HEAD	H ₂		0007	0009	8000	5000	3000		2000	4,000	2000	0006	0009	3000													1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	LECT.			SUPPLIED WATER PRESSURE PRESSURE HEAD	P 101/012	2		9	0	2	60		2	77	7	6	9	3													-			
	SAPT GANDAKI PROJECT	(6)		HOLE	5	3.3							3.3																1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	SAPT G	BBI		SECTION	5,	95							200				1 1 1 1												1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	PROJECT	BORE-HOLE No.		ОЕРТН	6	30 to 35							35 to 40																					
		<u>&</u>		DATE		DEC. 2							DEC.3																L		3			

		i	r	Υ						 			—- ₁	~~~		7				,	-			T												
ATTACHMENT-111.10			LUCEON UNIT	Lew Q'/L-Hx10			0.4						1.04					0.64							1.69						10.78					
ATTACE			COEFFICIENT OF PERMEABILITY	V=Q/HXC @/sec			4. 22 × 10 ⁻⁶						1.38 × 10 ⁻⁵				5.90 × 10-6	7.03 × 10-6	6.56 × 10-6			2-01 x 07-T	1.73 × 10-5	1,73 × 10 ⁻⁵	1.85 × 10 ⁻²	1.80 × 10 ⁻⁵	1.61 × 10 ⁻⁵	1.45 × 10 ⁻⁴	1.38 × 10-4	1.32 × 10-4	1.22 × 10-4	1.29 × 10 ⁻⁴	1.01 x 10-4			;; ;
: F			on≖	CE ² /min	0	0	0.16	0	0	0	0	0	0.52	0		0	0.22	0.26	0.25	0		0.53	0.65	0,65	0,70	89.0	19.0	5.15	5.19	86.4	4.58	4.86	3,78	1		٠.
	B; LEFT BANK		CALCULATING CONST.	C min/cm sec	2.66 x 10 ⁻⁵					2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵								
TEST 3	DAMSITE B, EVEL		WATER LEAKAGE	Q cm³/min	. 0	0	909	0	0	0	0	0	1300	0	- 44	. 0	906	1600	1000	0		1300	2900	7500	5900	3700	2100	18600	28100	36900	43100	31200	16700		Sec. 1	
SSUR	COCALITY DAGROUND WATER LEVEL			Q' (/min	0	0	9,0	0	0	0	Ö.	0	1.3	0		0	0.6	1.6	1.0	0		1.3	2.9	4,2	5.9	3.7	2.1	18.6	28.1	36.9	43.1	31.2	16.7			
WATER PRESSURE TEST	GROUND WA		TOTAL HEAD	5	1785	2785	3785	2785	1785	 2055	3555	4055	3555	1055		2055	4055	6055	4055	2055		2465	59177	6465	8465	5465	3465	34.15	54.15	74.15	5146	6115	4,15	:		
	,		PRESSURE GALGE TOTAL HEAD HEIGHT HP+He+He	He o	75					75						75		:				75						75	1 21							
RECORD OF			STATIC HEAD IN HOLE	Hs	720					980						086						1390		14				1340				1.0				
RE			ER PRESSURE HEAD	Hp GH	1000	3002	3000	2000	1000	 1000	2500	0007	2500	1000	1	0001	3000	2009	3000	1,000		1000	3000	2000	000	0007	2000	2000	7000	0009	8000	5000	3000			
	PROJECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P kg/cs²		13	3	2	٦ -	T	2,5	1, 1,	2.5	1		1	3.	5	3	н	-	rl	3	٠	7	4	2	. 2		9	8	5				
	1 4		HOLE	8	3.3					 3.3						:3.3						3.3						3.3								
	SAPT GANDAKI		SECTION	1	L					530						500				: 1		500						200				4 4 4				
	PROJECT .		DEPTH	II E	10 to 15					15 to 20						20 to 25						25 to 30						30 to 35				yani si an				
	&	i .	DATE		F. E. 14.					33B 1.5						FEB 15						FEB.16	1					FEB.17	N. Berlin, St. State of						:	

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ATTACHMENT-III.11			LUCEON UNIT	L= Q'/L-H×19*			-	0.89							नंदर्							1.18											-		
ALTA			COEFFICIENT OF PERMEABILITY	K=Q/H×C on/sec	7.79 × 10 ⁻⁰	1.05 x 10 ⁻⁵	1.02 × 10 ⁻²	1.06 × 10 ⁻⁵	1.17 × 10 ⁻⁵	1.63 × 10 ⁻⁵		1.21 × 10 ⁻⁵	1.31 × 10 ⁻⁵	1.35 × 1C ⁻⁵	1.37 × 10 ⁻²	1.61 × 10 ⁻⁵	2.15 × 10-5			1.00 × 10 ⁻⁵	1.42 × 10 ⁻⁵	1.38 × 10 ⁻⁵	1.46 × 10 ⁻⁵	6.07 × 10-6		-									
			οl≖	Carl/min	0.29	0.39	96.0	07.0	77.0	0.61		97.0	67.0	0.51	0.51	0,61	0.81		0	0.38	0.53	0.52	0.55	0.33	-						-				
			CALCULATING CONST. $\frac{2.3}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \log \frac{L}{L}$	<u> L:</u>	2.06.5							2.66 × 10 ⁻⁵							2,66 × 10 ⁻⁵																
TEST		EVEL	WATER LEAKAGE	O cas/min	8	3000	3100	0007	3100	2500		1,400	3000	7,600	5700	0067	3300		0	24,00	5000	9666	.0097	1000											
SSUR	LITY	GROUND WATER LEVEL	100	"im/ / .0	6.0	2.0	3.1	0.7	3.1	2,5		7.1	3.0	9.4	5.7	6 7	3.3		0	2.4	5.0	5.9	9.7	1.0					-						
ER PRE	LOCALITY	GROUND	TOTAL HEAD	8	Ι.	5075	8075	10075	7075	4075		3075	6075	9075	11075	8075	4075		3385	6385	9385	11385	8385	4385								1 1 1 1 1 1			
F WAT				e z	1							75		:					75					10.00					7					1. 12	
RECORD OF WATER PRESSURE TEST			STATIC HEAD PRESSURE GAUGE	- F	۱۵						-	1000	- 4			_			1310					:			 -		4 4	:					
RE				1	١.	0007	2007	9006	9009	3000		2000	5000	8000	10000	2000	3000		3000	5000	8000	10000	7000	3000											
			SUPPLIED WATER PRESSURE PRESSURE HEAD	P kg/gg/	1	7	7	6	9	3		2	. 5	8	10	٤	3	1,000	2	5	8	10	.7	m					2 · · · · · · · · · · · · · · · · · · ·			THE RESERVE OF THE PERSON OF T			
		5 (2)	HOLE RADIUS	ē	3.3			7 1 1 1 1 1			3	3.3							3.3		7.0														
		380 -	SECTION	8	500							200							500									1							
	PROJECT	BORE-HOLE No.	DEPTH	1 2	35 to 40							40 to 45							45 to 50																
) A	DATE		FEB. 19							PEB-30							FEB. 22															4	

ATTACHMENT-III.12		LUGEON UNIT	Lead/L-Hx10			13.48				T			0.63						6.8	. 0						2.78							
ATTACEN		COEFFICIENT OF PERMEABILITY	K=Q/H×C @/sec	5.20 × 10-6	1.12 × 1c ⁻⁴	1.27 × 10-4	1.13 × 107	9.55 × 10 ⁻⁰	9	5.21 × 10	6.30 × 10	5.27 × 10.	6.46 × 30°°	4.82 × 10°°	7.85 × 10-6	9.16 × 10 ⁻⁵	1-97 × 10 ⁻⁵	2.84 × 10 ⁻⁵	7.19 x 10	7.49 × 10 ⁻⁵	5.72 × 10 ⁻⁵		1.37 × 10 ⁻²	2.24 × 30 ⁻⁵	5-01 x 76.1	1.92 x 10 ⁻⁵	2.11 × 10-5	2.47 × 10 ⁻⁵					
		OΊΞ		0.20	4.23	12.77	77.57	98.0		0, 0	0 24	8	77.0	0.18	0.30	0.34	0.74	1.07	2.70	2.82	2,15		0.52	0.84	0.74	0.72	0.79	0.93					
	C; LEFT BANK	CALCULATING CONST.	C min/carsec	2.66 × 10 ⁻⁵					1	2,66 × 10						2.66 × 10 ⁻⁵				1.			2,66 × 10-2										
TEST	DAMSITE C. EVEL	WATER LEAKAGE	Ocea/min	009	27700	33700	21500	1100		009	1200	1700	2200	2700	1200	14,00	. 200	3600	27200	19900	10900		2100	5100	6700	8000	. 9079	7.700					
SSURE	LOCALITY DA GROUND WATER LEVEL		Q' C/mis	9.0	22.4	33.7	2.5	1.1		0	1.2	7.7	2.2	1.1	1.2	1.4	4.5	8.6	27.2	19.9	10.9		2.1	5.1	6.7	8.0	6.4	4.7					100
WATER PRESSURE TEST	LOCALITY GROUND WA	TOTAL HEAD	H.	3065	5065	7065	5065	3065		3065	5065	7065	9065	6065	7065	. 590"	5909	8065	30001	7065	5065		\$90%	6065	3065	39011	8065	5065					
F WATE		ESSURE CAUCE HEIGHT	Hg	25						25						 25						- 1-	25						 1 11/2	-			
RECORD OF		STATIC HEAD PRESSURE CAUCE IN HOLE HEIGHT	Нз. е	20/10						20/10						20/10							201/10										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R		ER PRESSURE HEAD	Hp.	1000	3000	5000	3000	1000		1000	88	2000	7000	0007	2000	2000	0007	6000	8000	5000	3000		2000	00017	2000	0006	9009	3000		**************************************			:
	JECF	SUPPLIED WATE PRESSURE	P 1/24/cm²	1		5	3,	1			3	2	7	4	6.5	2	7	9	₩	5	~		5	77	- 7	6	9	3					
	SAPT CANDAKI PEDJECT BS1 - 7 (1)		. E	3.3												3.3							3.3							Transfer of the	-		
	SAPT GAN BB1 - 7	SECTION HOLE LENGTH RADIUS	E 1	200						20						500							200										
	PROJECT BORE-HOLE No.	DEPTH	60	20 to 25						25 to 30						30 to 35							35 to 40		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		The second second			and the second s			
	%	DATE		12.27						FEB . 28						MAR. 1							. VAR. 2									L	
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ATTACHMENT-III.13			1000000		07 C 1 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				6.0						7.28			30 dia														.i			
ATTAC			COEFFICIENT OF	PERMEABILITY	Part of Chief	3.27 × 10.0	7.53 × 10.0	1.06 × 10 ⁻⁵	9.92 × 10	6.16 x 10 ⁻⁶	4.30 × 10 ⁻⁰	3.27×10^{-6}	2.64 × 10 ⁻⁵	3.91×10^{-5}	8.03 × 1075	9.74 × 10 ⁻²	1.10×10^{-4}																		
			٥	: .: L		0.12	0 88	07.0	0.37	0.23	91.0	0.12	0.99	1,47	3.02	3.66	4.15		111				1 1 1 1 7		1								,		
		-20.4 m.	CALCULATING CONST	2.3 × 1/2 × 1/3 × 2/2 ×	C min/cr.sec	2,66 x 1077					1 × × ×	2,66 × 10 ⁻⁵									g.,							7				: .			
TEST			ŀ	- 7. L.	O g /min	8	2000	7000	4500	2100	800	8	0002	14800	364:00	33200	21000										:								
SSURE	ľΤΥ	GROUND WATER LEVEL		WATER LEARAGE	nim',	5 0	2.0	0.7	4.5	2.1	0.8	0.5	7.0	14.8	36.4	33.2	27.0			7		 													
WATER PRESSURE TEST	LOCALITY	GROUND	TOTAL HEAD	Hp+Ks+Hg	E	1065	7065	10065	12065	3906	5065	1065	7065	10065	1,2065	3065	5065				 														
F WAT			TO HEAD, PRESSURE GAIXOR TOTAL HEAD	наснт	E E	52						25									-		-		.		-	 						-	
CORD OF			STATIC HEAD	IN HOLE	E	5010						 20110																14 to 17 to 18					•		
RECO			SUPPLIED WATER PRESSURE STAT	нелр	8 £	2002	5000	8000	10000	7000	3000	2000	2000	8000	10000	2007	3000																		
			SUPPLIED WAT	PRESSURE	P kg/gg	۲۷	٠,	æ	01	ć	3	72	5	ω	10	7	6						200					The second second							
		(2)			8	3.3						3.3						11			-									7.					
		B81 - 7	SECTION	4	1	š						95					: - 1 : - 1			1 2			100												
	PROJECT	BORE-HOLE No.			E	40 to 45						45 to 50																							
) 121		∞		DATE	\int	MAR.2						MAR.3										. 9													

ATTACHMENT-III.14			LUCEON UNIT	La=Q'/L·Bxlgf		1.0					7						33					7.2							7.6			10 May 10		30.4	
ATTAC			COEFFICIENT OF PERMEABILLTY	X=Q/B×Cox/sec	3.99 × 10-6	1.14 × 10-5	9.96 × 10 0	5-00	7 X X TY	1.82 x 30-7	1,36 × 10 ′	1,37 × 10 ⁻²	1.75 × 10-5		2,39 × 10 ⁻⁵	3.19 × 10 ⁻⁵	3.99 × 10 ⁻⁵	3,10 × 10-5	2.19 × 10 ⁻⁵	 2,13 × 10 ⁻²	3.47 × 10 ⁻²	8.91 × 10 ⁻⁵	6.94 × 10 ⁻⁵	5.80 × 10 ⁻⁵		5.06 × 10 ⁻⁵	240 2 10-5	6.50 × 10 ⁻⁵	9,37 × 10 ⁻⁵	7.05 × 10 ⁻⁵	5-01 ~ 10-5		4.15 x 10-4	3.04 × 10-4	
			ОÆ	цш/ ; ФЭ	57.0	0.43	0.37	000	0 0	69.0	0.51	0.51	0.67	:	8	1.30	1.50	1.16	0.82	0.80	1.30	3.35	2.61	2,18		1.90	2.78	2.44	3.52	2,65	0000		15.62	17.11	
	DAMSITE A; RICHT BANK		CALCULATING CONST.	C min/cm-sec	2.66 × 10 ⁻⁵			5-4- 77 4	7 20 X 70						2,66 x 10 ⁻⁵					2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵			: 1				2.66 × 10 ⁻⁵		
TEST	DAMSITE	VEL	EAKACE	Q cas/main	200	1000	500	1100	3	2600	178	1200	200		1200	3700	6500	3300	1100	2001	0077	19000	8800	3000		2900	9800	13500	26500	12000	2600		20,450	00807	
SURE	ĹĬ	WATER LE	WATER LEAKAGE	Q' //min	0.2	0	5.0			91	7:7	1.2	6.0		2.1	3.4	6.5	3.3	1,1	1.1	7.77	18.0	8.8	3.0		2.9	8.6	13.5	26.5	12.0	7 7		24.6	8.04	
WATER PRESSURE	LOCALITY	GROUND WATER LEVEL	PRESSURE CAUGE TOTAL HEAD HEIGHT Hp+Hs+Hg	8	1335	2335	1335	2005	550	2335	3335	2335	1335	* :	1335	2835	7335	2835	1335	1375	3375	5375	3275	1375		1525	3525	5525	7525	4525	25.25		1575	3575	
1 .			RESSURE CAUCE HEICHT	H. 3	25			26	C						33					25						25							25		
ECORD OF			STATIC HEAD F	đ đ	310			0.5	317						310					350						500						4	-450		
REC			\$43 · · · ·	R) 8	1000	2000	1000	\ \frac{\lambda}{\chi}	3	3000	2000	2000	1000		1000	2500	0007	2500	2000	1000	3000	5000	3000	1000		1000	3000	5000	980	00017	5000		3000	0007	
	JECT		SUPPLIED WATER PRESSUR PRESSURE HEAD]±=0/\$n d		27	~1		1	2	8	C.	c		1	2.5	.,7	2,5	٦,	- -	6	2	m			-	8	5	7	7	2		2	74	
	SAPT GANDAKI PROJECT	(1)	HOLE S	5	3.3			,	1		1				3.3					3.3		1			\ .								3.3		
	SAPT G	B81 - 8	SECTION	5 7	28			003	3						500					8						200							200		
	PROJECT	BORE-HOLE No.	рертн	- 6	5 - 10			91.00	CT - MI						15 - 20					25 - 25						25 - 30						The second secon	30 - 35		-
		[Ā]	DATE		NOV.16			10,000	OT . TO			: "			NOV.17					NOV.18						90 YOU	5.7						NOV. 21		

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ATTACHMENT-III.15			LUCEON UNIT	La=Q'/L-H×10*				2.22						-														
ATTAC			COEFFICIENT OF PERMEABILITY	K=Q/HXC @/sec	2-01 x 60.7	4.32 x 10 ⁻⁵	3.64 * 10-5	3.10 × 10 ⁻⁵	3.63 × 10 ⁻⁵ .	4.96 × 10 ⁻⁵																		
			ο l æ	mim²/⊞in	2.67	1.62	1.37	1.17	1.36	1.86													3.44					
			CALCULATING CONST.	C min/cm.sec	2.66 × 10 ⁻⁵																							
E TEST		LEVEL	WATER LEAKAGE	Q cm3/min		5800	9000	10000	7600	. 4800								2.2										
SSUR	УLI	GROUND WATER LEVEL	WATER	0. C/min	č*†	5.8	6.0	0.01	7.6	4.8					:		1. 1.											
er pre	LOCALITY	CROUND	TOTAL HEAD	H	1	3575	6575	8575	5575	2575									100									
RECORD OF WATER PRESSURE TEST			STATIC HEAD PRESSURE GAUGE TOTAL HEAD IN HOLE. HEAT	H.g. ge																								
CORD (Hs g												- 												
RI			SUPPLIED WATER PRESSURE PRESSURE HEAD	1 .	2000	0007	2000	0006	0009	3000												 					:	
			SUPPLIED WAT	P cg/cm²	2	7	- 4	0	9	٤															- (1)	14.54		
		8 (2)	HOLE	5	3.3																							
		381 8	SECTION	5																					7			
	PROJECT	BORE-HOLE No.	рертн	8	35 to 40																							
		 	DATE		NOV 22								-					14.4						٠.	1.7			

	ATTACEMENT-III.16			LUGEON UNIT	La=Q'/L'HX10*	A STATE OF THE STA		7.4		The second second				4.7				4		5.9							5.8							3.2		
	ATTACE			PERMEABILITY	K=Q/H×C. =/sec	9.72 × 10 ⁻⁵ -	9.03 × 10 ⁻⁵	8.18 × 10 ⁻⁵	8.66 × 10 ⁻⁵	9.57 × 10-5	4.62 × 10 ⁻⁵	4.88 × 10 ⁻⁵	5.73 × 10 ⁻⁵	5.35 × 10 ⁻⁵	5.65 × 10 ⁻⁵	4.38 × 10-5	5.10 × 20 ⁻⁵	4.78 × 10 ⁻⁵	6.67 × 10 ⁻⁵	6.94 × 10.2	7.35 × 10 ⁻⁵	7.27 × 10 ⁻⁵	6.53 × 10-2	8.89 × 10 ⁻⁵	8.01 × 10-8	7.85 × 10 ⁻⁵	6.97 × 10 ⁻⁵	7.79 × 10 ⁻⁵	8.60 × 10 ⁻⁵	9.05 × 10 ⁻⁵	1.24 × 10-4	9.23 × 10 ⁻⁵	9.09 × 10 ⁻⁵	6.99 × 10 ⁻⁵	3.76 × 10-5	1.15 * 1074
				οŧ≖	alm/6=0	3.95	3.67	3.32	3.52	3.89	1.74	1.84	2,15	2.0T	2.13	1.84	1.92	1.80	2,51	2,61	2.76	2.73	2.46	3.17	2.86	2.80	2.49	2,78	3.07	3.23	4.64	3.47	3,42	3.75	3.67	18.7
		A. IEFT BANK	Table Authorities	$\frac{2}{2\pi} \times \frac{1}{80} \times \frac{1}{108} = \frac{2}{108}$	C min/cmrsec	2.46 × 10-5		The second second			2.66 × 10-5							2.66 × 10 ⁻⁵						2.80 × 10 2							2.66 × 10">					
	PRESSURE TEST	DANSITY LEVEL	Г	WATER LEAKAGE	Q cas ³ /min	0059	0086	12200	- 94:00	6500	2900	7600	7900	.0076	7800	0067	3300	380	2300	14800	12900	7300	0017	5300	10500	15900	19100	13000	6200	24,00	12400	16200	22800	28800	20800	ייטאַצר
	SSUR	E	يا ۾	:	.Q' (/min	9.9.	9.8	12.2	7.6	6.5	2.9	6 7	7.9	7 6	7.8	6.7	3.2		5.2	14.8	12.9	7.3	7.7	5.3	10.5	15.9	19.1	13	8.2	5.4	12.4	2 91	22.8	38,8	30.8	ď
٠		GROUND WA	eran iruwu	Hp+Ha+Hg	8	1670	2670	3670	2670	1670	1670	2670	3670	0/97	3670	2670	1670	1670	3670	5670	4670	2570		2,670	3670	5670	7670	0/97	2670	1670	2670	0.670	6670	7670	5670	2470
	OF WATER	1.1		N HOLE HESSURE GAUGE	H,	.07					. 07							07	. !					07	1.						017					
	RD RD			IN HOLE	8	630					630							630	19 144 14	1	1			630							630					
	REC		001100000	HEAD	₩p	1000	2000	3000	2000	1000	1000	2000	3000	0007	3000	2000	7000	1000	3000	- 2005	0007	3000	1000	1000	3000	5000	2002	0007	2000	1000	2000	0007	9009	7000	5000	200
		נטב	97.7% CO. 1000	PRESSURE HEAD	P kg/cm²	in the second Conse	82	~	2	1	1	2	3	7	3	2	1	1	3	5		2	-	7	3	5	7	1	2	1	2	4			5	ď
		SAPT CANDAKT PROJECT BEL - 9 (1)		RADIUS 1	8	3.3					3.3						1	3.3						3.3		:					3.3					
		SAPT C41 B81 - 9		LENGTH	Ē	550					200							200			40 - 1 2 3 3			0.77		1					2005			. 9	and the second	
		PROJECT BORE-HOLF No.		ОЕРТИ	H	9.5 - 15					15 = 20	1						20 - 25						25 - 29.7	7 m		1 11 11 11 11 11				3035					
		BOR	-	DATE	[NET	oc1.26					ocr.31		1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.					ocr.31	Sec. 19.					NOV.1	1				100		NOV.2	3				

ATTACHUENT-XII.17		OMST. G COEFFICIENT OF LUCEON UNIT	macc. cm/min K=Q/HX Confect La=Q/L: HX10*	4.79	3.55	-			4.25 1:13 x 10 4														
WATER PRESSURE TEST	LOCALITY GROUND WATER LEVEL	L HEAD WATER LEAKAGE 23×5×1·0g上	Q' C/min Q con ³ /min	12.8 12800 2.6	16.6 16600	27.6	30.3	24.2		8.6													
RECORD OF WATER		RESSURE STATIC READ PRESSURE CAUGE TOTAL HEAD READ HEAFHR	1	07 089																			
	381 – 9 (2)	SECTION HOLE SUPPLIEDWATER PRESSURE LENGTH RADIUS PRESSURE HEAD	P kg/on²	3.3 2	7		7.5																
The second secon	PROJECT BORE-HOLE No.	DATE DEPTH SE	1 SS	MOV. 3 35 2 10																	and the second of the second o		

															-																-					
ATTACHMENT-III.18			LUGEON UNIT	Le=Q'/L'H×IM			3.4						2.2						6.6							11.0			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				12.2			
ATTACH			COEFFICIENT OF PERMEABILITY	K=Q/HXCos/sec	5.13 × 10 ⁻⁵	2-01 × 10.4	4.12 × 10 ⁻⁵	2_01 × 16.7	5.13 × 10 ⁻⁵		5.00 × 10-3	3.99 × 10 ⁻²	2.74 × 10-2	3.43 × 10"5	3.80 × 10 ⁻⁵		3.80 × 10 ⁻⁵	2.87 x 10 ⁻⁵	1.26 × 10 "	4.63 × 10 ⁻⁷			5-91 × 16-5	5.21 × 10 ⁻⁵	9.34 × 10 ⁻⁵	1.39 × 10 ⁻² 1	8.72 × 10-4	6.92 × 10 ⁻⁶		01 × 01.7	3.11 × 10 ⁻⁵	4.84 × 10 ⁻⁵	1.53 × 10 ⁻⁴	1.11 × 10-1	1.89 × 10 ⁻⁷	
			o/≭	Cu2/Enin	1.93	1.52	1.55	1.62	1.93		2.03	1.50	1.03	1.29	1.43	l	2.43	1.08	4.73	1.74	ı		2,22	7.96	3.51	5,22	3.28	0.26		1.54	1.17	1.82	5.77	4.17	0.77	
	LET BANK		CALCULATING CONST.	C min/on-sec	2.66 x 10 ⁻⁵						2.66 x 10 ⁻⁵					2.66 × 10 ⁻⁵		: .					2.66 × 10 ⁻⁵							2.66 x 10 ⁻⁵						
E TEST	DAMSITE B:	LEVEL	WATER LEAKAGE	Q cat3/min		0077	0089	- 0047	2700		2700	5000	5500	7300	1900	0	7,900	2800	34800	7600	0		2/100	8700	22600	00077	17800	200		3900	5300	13700	55000	27200	2500	-
SSUR	LITY	GROUND WATER		Q' //min	2.7	7*7	8.9	4.7	2.7		2.7	5.0	5.5	4-3	3.9	0	8.7	5.8	34.8	2.6	0		5.4	8.7	22.6	0.47	17.8	6.0	8 x 2 4	3.9	5.3	13.7	55.0	27.2	2.5	
WATER PRESSURE TEST	LOCALITY	GROUNI	TOTAL READ Hp+Hs+Hg	6	0071	2900	00171	2900	17,00		1330	3330	5330	3330	1330	1360	3360	5360	7360	7360	2360		24.30	44.30	9779	6430	5430	3730		2530	4530	7530	9530	6530	3530	
F WAT			PRESSURE CAUCI HEICHT	Y. G.	50						50				1.	50							25							50					10	·
RECORD OF			STATIC HEAD PRESSURE GAUGE IN HOLE REGHT	#. 8	350			1.1			380					 370							380							087		11.				
R			ER PRESSURE HEAD	H ₂	1000	2500	0007	2500	1000		1000	3000	5000	3000	3000	1000.	3000	5000	2000	0007	2000		3000	0007	0009	9000	2002	3000		2000	0007	7000	900	0009	3000	
	UBCIL		SUPPLIED WATER PRESSURE PRESSURE HEAD	1 14 (mg	1	2.5	77	2.5	1		1	. 3	5	3	1	1	3	5	7	7	CV		22	7	9	œ		3		22	7	7	6	9	3	
	SAPT CANDAKI PROJECT	2 (1)	HOLE	8	1 00						3.3					3.3							3.3							3.3						
	SAPT CA	B81 - 12	SECTION	1	ŝ						500					 500							500							905						
	PROJECT	BORE-HOLE No.	DEPTH	E 15	15-to 20						20 to 25	The second second			The second second	25 to 30							30 to 35							34.9 to 39.9		a decrease and the second seco				
*		P	DATE		ST. NAV.					:	JAN.19					3.4N 20							JAN. 21			11 11 11				JAN. 22						
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AITACEMENT-III.19			LUGEON UNIT	Lo=Q'/L.HX10*				2,1							1.1							1.3							1.3						
ATTACE			COEFFICIENT OF PERMEABILITY	K=Q/H×C ca/sec	4.71 × 10 ⁻⁵	2.90 × 10 ⁻⁵	2.15 × 10 ⁻⁵	2.69 × 10 ⁻⁵	2.85 × 10 ⁻⁵	4.12 × 10 ⁻⁵		2-05 × 30-7	3.03 × 10 ⁻⁵	1.89 × 10 ⁻⁵	7.77 × 10_5	2.29 × 10 ⁻⁵	4.76 × 10 ⁻⁵		4.39 × 10 ⁻⁵	2.87 × 10 ⁻²	2.86 × 10 ⁻⁵	1.65 × 10-5	2.10 × 10 ⁻⁵	3.78 × 10 ⁻⁵		4.39 × 10 ⁻⁵	2.93 × 10 ⁻⁵	2.02 x 10 ⁻⁵	1.65 x 10 ⁻⁵	2.07 × 10 ⁻⁵	3.48 × 10-5		The second second		
·	:		οįπ	cm2/min	1.77	1.09	0.81	1.01	1.07	1,55		1.83	1,1	0.n	0.54	98.0	1.79		1.65	1.08	0.70	0.62	0.79	1.42	1	1.65	1.10	0.76	0.62	0.78	1.31				
: .	; LEFT BANK		CALCULATING CONST.	C min/@.sec	2.66 x 10 ⁻⁵							2.66 × 10-5							2.66 x 10 ⁻⁵							2.66 × 10 ⁻⁵									
TEST	DAMSITE B:	TEVEL	WATER LEAKAGE	Q == /m:n	0077	0009	0069	10600	8000	2700		1,500	6200	9009	2600	97.00	6200		7,500	6200	9700	0099	0019	5300		0077	6200	9600	9900	9009	7800				
SSURI	ITY	WATER 1	WATER	Q' 7 /min	7.7	6.0	6.9	10.6	8.0	7.5		5.4	6.2	6.0	5.6	7.9	6.2		4.5	6.2	6.1	9.9	6.1	5.3		4.4	6.2	9.9	9.9	6.0	8.4				- - - -
er pre	LOCALITY	GROUND WATER	TOTAL HEAD Ro+Be+Hg	E	27.50	24.90	84.90	104.90	74,90	34.90		24.60	2460	84.60	707'90	74.60	3460		2730	5730	8730	10730	7730	3730		2660	2660	3660	10660	7660	3660				
F WAT			RESSURE CAUCE	Hg. Ca	55							93							03							20		::							
RECORD OF WATER PRESSURE TEST			STATIC HEAD PRESSURE GAUGE IN HOLE REIGHT	H. S.	077							017							089							919									
RE				E.p	2000	5000	8000	1000	7000	3000		3000	5000	8000	10000	2000	3000		2000	2000	8000	10000	2000	3000		2000	2000	8000	10000	7000	3000	10 10 10 10			
	JECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P 14/01	8	5	80	70	7	3		2	5	80	ដ		m		2	5	62	10		3		5	7.	8	10		3				
	SAPT GANDAKI PROJECT	- 12 (2)	RADIUS	5	3.3							3.3							3.3							3.3		Ž.			*.				
	SAPT	_ 181 -	 SECTION	\$.1	500							500							500							500								-	
	PROJECT	BORE-HOLE No.	рертн	£	40 to 45							45 to 50							50 to 55							55 to 60							100		
		Ă :	DATE		JAN. 23				11.		1	75.NAL							JAN. 25							JAN. 28	10 10 10 10 10								

ATTACEMENT-III.20			LUGEON UNIT	P=4/L-BxIng	119.5							0.05			al comment				0						0.05						0.15				
ATTAC			COEPHCIENT OF PERMEABILITY	K=Q/HXCon/sec							2.75 × 10 ⁻⁶	6.87 × 10-7	1.10 x 10 6						0						7.41 × 10					1.76 x 10.6	2.21 × 10 6	×	1.27 × 10 6		
			S;⊞	cm2/min	61,97				0	0	0.10	0.025	0.0	0		0	0	0	- 0	0	0		0	0	0.025	0	0	1	0	0.069	0.087	780.0	0.050	0	
	B, RIVERBED		CALCULATING CONST	C min/cmrsec	2.54 x 10 ⁻⁵				~ 2.75 × 10 ⁻⁵							2.60 × 10 ⁻⁵						2.96 × 10 ⁻⁵							2.54 × 10 ⁻⁵						
TEST	DAMSITE	EVEL	WATER LEAKAGE	Q cm²/min	65700				. 0	0	909	200	200	. 0		0	0	. 0	0	0	0	0	٥	0	250	0	0		0	350	700	850	350	. 0	
SSURI	LOCALITY	WATER I	WATER	Q' 4/min	65.7				0	0	9.0	0.2	0:2	0.0		0	0	. 0	0	0	0	 0	D	•	0.25	0	0		0	0.35	0.7	. \$8.0	0.35	0	
WATER PRESSURE TEST	LOCAL	GROUND	TOTAL HEAD	H	1060				2060	4060	0909	9060	5060	3060		2060	0907	7060	0906	6060	3060	2060	9060	8060	10060	7060	3060		2060	5060	8060	10060	.7060	3060	
OF WAT			STATIC HEAD PRESSURE GAUGE IN HOLE HEIGHT	N N	. 1				650							650						-650						11 14	650	11				4.2	
RECORD (H.					-290							-590						 -590							-590						
RI			SUPPLIED WATER PRESSURE PRESSURE HEAD		1000		packer-leaked.)		2000	4000		8000	5000	3000		2000	4000	7000	0006	9009	3000	2000	2000	8000	10000	7000	3000	1,20	2000	2000	8000	10000	2000	3000	
	энолест			_	-		(A packer-		2	7	9	8	5	6		2		7	6	9	en L	2	5	8	10	. 7	8		2	Ŋ	8	10	7.		
	ANDAKI PR		HOLE	E .	2,8				2.8							2.8						2.8							2.8						
	SAPT CANDAKI	381-13	SECTION	1,] . "		500		500	1						535						455							550			:			
	PROJECT	BORE-HOLE No.	DEPTH	1 8	25		25 to 30		30 to 35							35 to 40.35						40 co 44.55							44.5 to 50						
		<u>B</u>	DATE		APR. 6		APR. 7		APR.8			24				APR.9		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				APR.9							APR. 10		•				
1					- 1	1		. 36		12.00		- 			-				1				1 1 1						· ·				-		
						41 42 43 44 47						* * *							•					4.	•										

17.21			LUGEON UNIT		Last /L'Hxlp*		9.0				0.1					2.8						3.6						22.2							6.5	_		1 417
ATTACHMENT-III.21			1.5	Ы.	_1.			کـو		ر م-ر			-31	2.2	<u>-</u> -5		7-5	5-5		5-5	5-2		5-2	5-5		7-0	4-0)-4	7		5-6	2-2	5-0		5	5	
ATT			COEPFICIENT OF		K=Q/HXC da/nec_	9.09 × 10	7.35×10^{-6}	9.09 × 10-6		2.22×10^{-6}	1.21 × 10 ⁻⁶	0		3.77×10^{-5}	3.39 × 10-5	3.49 x 10 ⁻⁵	3.02 × 10 ⁻²	1 77 x 10		5.05 × 10 ⁻⁵	4.20 × 10 5	4.00 × 10 ⁻⁵	5.01 × 10.3	3.57 × 10 ⁻⁵		3.59 × 10	3.02 x 10-4	2.66 × 10 ⁻⁴	2.86 = 10 4	2.59 × 10 ⁻⁴		7.67×10^{-5}	7.89 × 10 ⁻⁵	7.35×10^{-5}	7.51 × 10	7.59 × 10 ⁻⁵	8.81 × 10 ⁻⁵	
			O)z		aim/eo	0.34	0.28	0.34		0.083	0.045	0		1.42	1.27	1.32	1.14	0.67		1.90	1.58	1.50	1.52	1.34		13.52	11.36	10.0	10.73	9.7%) - 1 2	2.88	2,97	2.76	2,82	2.85	3.31	
	1: LEFT BANK		CALCULATING CONST.	12	_	2.66 × 10				2.66 x 10 ⁻⁵				2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵		: - - - -				
TEST	DAMSITE	EVEL	WATER LEAKAGE		Q cm/min	80,	009	007		001	100	0		1700	2800	0027	2500	800		3400	5200	7200	5000	24.00		20800	40200	554.00	38000	15000		3000	12100	16800	22800	14,500	10200	10 g
SSURE	JTY	GROUND WATER LEVEL	WATER		Q. //min	7.0	9.0	7.0		0.1	0.1	0		1.7	2.8	4.2	2.5	9.0		3.4	5.2	7.2	5.0	7.7		8	70.5	55.14	38.	15		9	12.1	16.8	22.8	14.5	10.2	
R PRE	LOCALITY	GROUND	TOTAL HEAD	MP+HR+dH	E	1170	21.70	17.00		1200	2200	1200		1,200	2200	3200	2200	1200		1790	3290	4790	3290	1790		1540	3540	2540	3540	1540		3080	7,080	0809	8080	5080	3080	1.7
F WAT			PRESSURE CAUGE	in a	H	g				20				8						20						82						S						
RECORD OF WATER PRESSURE TEST		-	STATIC READ PR		ē Ē	150	:			180		-								770						520				1 .		1060						
REC					H,	1000	2000	0001		1000	2000	1000		1000	2000	3000	2000	1000		1000	2500	0001	2500	1000		1000	3000	5000	3000	1000		1000	3000	800	7000	0007	2000	
	55			PRESSURE	P 22/03	1	23	-1		1	23	н		ı	25	3	23	1		1	2.5	4	2.5	1		1		}	3			a-H	3.	5	7	77	2	
	DAKT PROJECT	(1)	HOLE SUI	-	8	3.3				3.3	-			3.3						3.3						3.3			2.1			3,3						
	SAPT CANDAX	381 - 14	SECTION		8	500			1	58			11.00	500						500						85		: : : :		 	2 * 2 * 2 * 3 *	8		4. 2. 2. 1.				
	PROJECT	BORE-HOLE No.	DEPTH		8	2.5 - 7.5				5.00 - 10.00				10:00 - 15:00						15.00 - 20.00						20.00 - 25.00	1					25.00 - 30.00						
		Ω.		<u> </u>		DEC. 28	w ₁			DEC: 39	<u> </u>		 	DEC.29						DEC. 30						OF. 32	L		L			DEC. 31						
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					<u> </u>												. :							:		:				:			:		-
		LUGEON UNIT	Long/L-Sx10				0.2							0.6							0.02							0.0)(
		COEFFICIENT OF PERMEABILITY	K=Q/H×C @/sec	1.82 × 10 ⁻⁶	2.16 × 20°6	1.54 × 10 ⁻⁶	2.09 × 10 ⁻⁶	2.70 × 10-6	2.71 × 10-6		2.56 × 10 ⁻⁶	7.68 × 10 °	4.26 × 10 ⁻⁶	6.57 × 10 ⁻⁵	7.85 * 10-6	9.01 × 10.6				Less than	1 × 10-6	(impermeable					Less than	1 × 10-6	(impermeable)						
		O/3	(m/z/m)	390.0	0.081	0.058	0.078	0.101	0.102		960.0	0.18	0.16	0.25	0.29	0.34		0.034	0.017	0.01	0.009	0.017	0,025				-					100			-
		CALCULATING CONST.	1 0	2.6							2.66 × 10-5							2,66 × 10 ⁻⁵							2.66 × 10 ⁻⁵										,
LOCALITY	EVEL	WATER LEAKAGE	O 081/min	2002	700	007	700	909	007		300	006	1300	2500	2100	1400		100	130	100	87	100	300		100	100	0	0	ō	0				-	
ITY	GROUND WATER LEVEL	WATER	0. 4 /min	0.2	7.0	0.4	0.7	0.6	0.4		0,3	6.0	1.3	2.5	2.1	2.4	2	0,1	0.1	0.1	1.0	0.1	0.1		0.1	0.1	0	0	0	0					
LOCALITY	GROUND	TOTAL MEAD	. E]_	0267	0269	8920	5920	3920		31.20	51.20	81.20	101.20	7.20	41.20		2970	5970	8970	10970	265	3970		2680	5880	8880	10880	5880	3880					
		PRESSURE GAVOE TOTAL NEAD HEGHT	1	L							g							30							83		1 1 1				47.47.77				
		STATIC HEAD F	E E	L							130		1	100				950							860										
		PRESSURE			0007	0009	8000	5000	3000		2000	0007	2002	9000	6200	3000		2000	2000	8000	10000	5000	3000		2002	2000	8000	10000	5000	3000					
		SUPPLIED WATER	P 144/082	.~	-3	9	8		3	100	2	1	4	6	9	3		2	5	80	10	,	6		2	5	8	10	5	3		es es es es es estados			-
	14 (2)	HOLE	4-	2 3					, i.e		3.3							3.3							3.3										
	581 - 14	SECTION	1								200							500	Part of						500				A COMPANY TO SERVE		1000				
PROJECT	BORE-HOLE No.	рертн		35.00							35.00 - 40.00							00.00 - 45.00					a secondari		45.00 - 50.00				American Services			The second control of the control of	The second second		
	[M]	DATE		TAN 3		31 g					J.MN. 2						and the fa	JAN. 3						l v	JAN.4			Y	and a street of the			* * * * * * * * * * * * * * * * * * *			

	ATTACHMENT-III.23			
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The state of the s		RECORD OF WATER PRESSURE TEST		
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PROJECT SAPT GANDAKY PROJECT BORE-HOLE No: B81-15 (1)

LOCALITY DANSITE 3; RIVERBED GROUND WATER LEVEL

SECTION	SECTION HOLE	я тон		TER PRESSURE		STATIC HEAD	PRESSURE	TOTAL HEAD	ni t men	A COMPANY	CALCULATING CONST.	œ	COEFFICIENT OF	district (NOLOGY 1
DEFIN LENGTH RADIUS PRESSURE HEAD	LENGTH RADIUS PRESSURE HEAD	RADIUS PRESSURE HEAD	PRESSURE HEAD	HEAD	IN HOLE		REIGHT FROM	Hp+He+Hg	WAIEK	LEARAGE	23×3×1×210g	iz:	PERMEABILITY	TOO NOTED
n - n Ho ca	L car r car P kg/cm² Hp car Hs ca	ir can P. kg/cm² Hp cas Hs ca	P kg/cm² Hp cm Hs cz	Hp & Hs ca	8	1 1	Hs. G	¥	Q' ,2 /min	Q cm ³ /min	C min/enrsec	cm²/min	K=Q/H×C m/sec	Lu=Q/L-Hx10*
3.3	3.3	3.3	1	1000	:		110	1110	14.2	14200	2.66 × 10 ⁻⁵	12.79	3.40 × 1074	
2.5	2.5	. 3	. 3	2500		٠,		2610	27.4	27400		10.50	2.79 × 10-4	
0007 7	7			0007				4110	35.4	35400		8.61	2.29 × 10-4	17.7
2.5. 2500	2.5			2500				2610	24.1	24100		9.23	2.46 × 10 ⁻⁴	
0001	1 1 1000	1000	0001	1000				1110	12.7	12700		11.44	3.04 × 10 ⁻⁴	
PR.7 20 to 25 500 3.3 (A packer leaked.)	3.3		(A packer leaked.)	caked.)		t								
25.to 30 500 3.3 (A packer saked.)	.500 3.3 (A packer	(A packer	packer	esked.)										
30 to 35 500 3.3	3.3	. 2		2000			110	2110	0	0	2.66 × 10 ⁻⁵	0		
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4	4		4000				4110	0.1	100		0.024	6.39 x 10 ⁻⁷	
0009	4	4	4	0009				6110	9.0	600		0.098	2.61 × 10-6-	
8 8 9000				- 0008		ļļ		8110	1,35	1350		0.166	4.42 × 10-6	0.34
\$ 5000	/ 14	/ 14	/ 14	5000		- 1		5110	0.5	. 500		0.098	2,61 x 10 ⁻⁵	
				3000				3110	0	0		0		
									-					
35.65 to 40.65 500 3.3 2 2000	500 3.3 2	2		2000		i	110	2110	0.05	50	2.66 × 10 ⁻⁵	0.024	6-39 × 10 ⁷	
4 4000	نــند	نــند	نــند	0007				4110	0.2	200		0.049	1-30 × 10-6	
7 7000-		7 7000	7 7000	7000				7110	-	1100	-	0.155	4-12 × 10-6	
0006 6				0006				9110	1.75	1750		0.192	5.11 × 10-6	0.39
9 9				6000				6110	0.75	750		0.123	3.27 × 10-6	
3 3 3000				3000				3110	0	o		0		
							•	-						
40.3 to 45.3 500 3.3 2 2000	3.3	2	-	2000			110	2110	0.15	150	2.66 × 10 ⁻⁵	0.071	1.89 × 10-6	
1000 St. 100	2 2 2	2 2 2	2 2 2	2000				5110	0.65	650		0.127	3.38 x.10 ⁻⁶	
0008 8				8000				8110	1.15	1150		0.142	3.78 x. 10-6	
00001 10000	04	10		100001				10110	1.6	1600		0.158	4.20 × 10 ⁻⁶	0.32
0002	<i>1811</i>	<i>1811</i>	<i>1811</i>	2000				7110	0.85	850		0.120	3.19×10-6	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				0006				3110	0.1	100		0.032	8.51 × 10-7	
									}					
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ATTACHMENT-III.24			LUCRON UNIT	Lo=0//L/8×10*				0.55						:															
ATTAGI			COEFFICIENT OF		1	4.26 x 10 ⁻⁶	6.65 × 10 ⁻⁶	7.24 x 10-6	.4.31 × 10.6	8.51 × 10-7															V				
			о́з	17/20	0.047	0.16	0.25	0.272	0.162	0.032																			
	DAMSITE B; RIVERBED		CALCULATING CONST.		~																								
E TEST		LEVEL	WATER LEAKAGE	*!#/e## 0		800	2000	2750	1150	100	* * * * * * * * * * * * * * * * * * * *							4											
SSUR	ITY	GROUND WATER LEVEL	WATER	0. 4 /min	0.1	0.8	2.0	2.75	1,15	0.1	::														: :			-	
ER PRE	LOCALITY	GROUND	TOTAL READ		1.	5110	8110	10110	7110	3110																	1		
RECORD OF WATER PRESSURE			PRESSIRE TOTAL HEAD	3							1000		,																
CORD (STATIC HEAD IN HOLE	H.			4.0														114								
RI			FER PRESSURE	1	2000	5000	8000	10000	7000	3000					.:														
	PROJECT		SUPPLIEDWAT			5	ю	01		£						2				1.00	P:								
			HOLE		3.3																			*					
	SAPT GANDAKI	381-15 (2)	SECTION	-				1 2 2 2					-:	2.5.4.2.2.2												- 4 - 4 - 5 - 6			
	PROJECT	BORE-HOLE No.	рертн		_																				The second secon				
		"	44.0		APR. 9					4																			=

- <u>- </u>		: '					~ -	-				-				 	- 4					 2.				:									
ATTACHMENT-III.25			THEFON HAFT		Lu=Q'/L·HX10"			4.91					10.2					6.88							12.5	:						2.46			1
ATTAC			COEFFICIENT OF	PERMEABILITY	K=Q/H×C ox/sec.	3.96 × 10 ⁻⁵	5.06 × 10 ⁻⁵	6.16 × 10 ⁻⁵	6.95 × 10 ⁻⁵	3.46 × 10 ⁻⁵	5.64 × 10 ⁻⁵	1.10 × 10 ⁻⁵	1.15 × 10-4	9.68 × 10 ⁻⁵	7.05 x 10 ⁻⁶	5.13 × 10 ⁻⁵	3.22 × 10-5	7.77 × 10 ⁻⁵		7.66 x 10 ⁻⁵	7.00 × 10 ⁻⁵	6.17 x 10-5	5.27 × 10 ⁻⁵	1.13 x 10-4	1.44 × 10 ⁻⁴	1:25 × 10 ⁻⁴	9-07 × 10-6		3.86 x 10 ⁻⁵	2.63 × 10 ⁻²	3.43 × 10 ⁻⁵	2.93 × 10 5.	3.25 × 10 ⁻⁵	3.67 × 10 ⁻²	
			ol	Н	ar/min	2.18	2.78	3.39	3.82	1.90	2.12	4.15	4.32	3.64	0.265	1.93	1.21	2.92		2.88	2.63	2.32	1.98	4.23	5.43	4.68	3.41		1.45	0.987	1.29	1,10	1.22	1.38	
	C, RICHT BANK		CALCULATING CONST.	2.3 × 60 × 10g 1	C min/dmisec	1.82 x 10 ⁵					2.66 × 10 ⁻⁵					2.66 × 10 5						2.66 × 10 ⁻⁵							2.65 × 10 ⁻⁵						
TEST	DAMSITE	TEAET	WATER LEAKAGE	10 A	O ce ³ /min	3550	8700	15700	11950	3100	4000	16150	25450	14150	500	3650	4700	17200		14100	7600	7100	10050	29900	43800	28400	13850		4450	5000	10400	11050	8600	\$600	* . **.
PRESSURE	LTY	GROUND WATER I	WATER		Q' //min	3.55	8.7	15.7	11.95	3.1	0.7	16.15	25.45	14.15	0.5	3.65	4.7	17.2)	14.1	7.6	7.1	10.05	29.9	43.8	28.4	13.85		4.45	5.0	4.01	11.05	8.6	5.6	
er pre	LOCALITY	GROUND	TOTAL HEAD	Hp+Hs+Hg	Н	1630	3130	7630	3130	1630	1890	3890	5890	3890	1890	1890	3890	5890	be applied	4890	2890	3065	5065	7065	8065	5909	4065		3065	5065	8065	10065	7065	4065	
OF WATER			PRESSURE GAUGE	HEIGHT	Hg G	. 0		1			0					0			re could not			0							. 0	2.1					
RECORD 0			STATIC HEAD	IN HOLE	H.s. cas	930					890					068			(The pressure			1065		1					1065						
RE				HEAD	Hp	1000	2500	0005	2500	1000	1000	3000	2000	3000	1000	1000	3000	5000	7000	4000	2000	2000	0007	9009	7000	5000	3000	The second second	2000	,0005	7000	- 0006	0009	3000	
	recr		SUPPLIED WATER PRESSURE	PRESSURE	P kg/cm²	1	2.5		2.5	1	+	3	3	3	1.	1	3	. 5	7	7	2	2	4	vo	7.5.5		۳.	at the second	2		7	6	9	3	
	NDAKI PROJECT	(E)	HOLE	RADIUS	8	3-3					3.3.					3.3	100					3.3						1.5	3-3	100			:		
	SAPT GANDAKI	381-16 (1)	SECTION	LENGTH	.1	800					200	27.24				500			11.77			500	1 1 1 1						200		10 A				
	PROJECT	BORE-HOLE No.	DEGGA	U	6 - B	ैं			1 1		20 to 25					25 to 30						30 co 35							35 to 40						
		 		DATE		MAR. 26					MAR. 27		100		SAR Sub- Ref.	MAR. 28						MAR. 29					1	11	MAR. 30	2 . 2 . 2 .					

																						-						-	
	s.'						. :				4.												. •						
ATTACHMENT-III.26			LUGEON UNIT	L.=0'/L.H×10*			6.44							16.75															
ATTACH			COEPFICIENT OF PERMEABILITY	K=Q/HXC @/sec	1.13 × 10 ⁻⁵	4.12 × 10 ⁻⁵	7.56 × 10 ⁻⁵		7.16 × 10 ⁻⁵	8.73 × 10 ⁻⁵		2.65 × 10	2.09 × 10 ⁻⁴	1.89 × 10 ⁻⁴	2.06 × 10 ⁻⁴	2.37 × 10 ⁻⁴										:			
			o/a:	on ² /min	0.424	1.55	2.84	7	2.69	3.30		9.97	7.84	7.11	7.74	8.89													
	C: RIGHT BANK		CALCULATING CONST.	C min/cm/sec	2.66 × 10 ⁻⁵							2.66 × 10 ⁻⁵										:							
TEST	DAMSITE C:	EVEL	WATER LEAKAGE	Q os1/min	1300	9400	25750	2.0	21700	13400		33200	49600	62800	64500	38500													
SURI	ΤÝ	WATER I	WATER	0' / /8:0	5.5	9.4	25.75)	21.7	13.4		33.2	9.67	62.8	64.5	38.5													
WATER PRESSURE TEST	LOCALITY	GROUND WATER LEVEL	TOTAL HEAD	8 a:	3065	6065	9065	be applied.	8065	4065		3330	6330	8830	8330	4330												~	
OF WATE			PRESSURE CAUGE TOTAL HEAD HEIGHT HP+Hs+Mg	£ 2	1			re could not				0		- :															
RECORD O			STATIC HEAD P	E.	ا ا			(The pressure				1330												-					
RE			ER PRESSURE HEAD	E of	2000	2000	8000	10000		3000		2000	5000	7500	7000	3000													
	ECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P kg/gg ²	2	2	-	10	1	3		2	5	7.5	1	3											 		
	DAKI PROJ	5).	HOLE RADIUS	6	33							3.3						3		_			 						
	SAPI GANDAKI PROJECT	B81-16 (2)	SECTION LENGTH F	1								200																	
	PROJECT	BORE-HOLE No.	DEPTH	5	40 to 45							DS 02 57															100		
		~	DATE		MAR. 30						,	MAR. 31						-	: -										

Profide Prof					: . : .	10	J Ward	TE WAT	न्यव यह	Campi	TOTAL			ATTACE	ATTACEMENT-III.27	
Dec Dec							2400	174711	777 1 777	2000	TOOT					
Dec. 10 1 1 1 1 1 1 1 1	PR	OJECT	SAPT GA	- 54	oveci				LOCAL	,ITY	DAMSIT	E B; RICHT BANK				•
Security Security	BORE	HOLE No.	B81-17	(1)					GROUND	WATER L	EVEL					
Decry Section Column C																ـــــــــــــــــــــــــــــــــــــ
				ы	SUPPLIEDWAT	er Pressure	STATIC HEAD	PRESSURE CAUCE	TOTAL HEAD	WATER	LEAKAGE	CALCULATING CONST.	Ola	COEFFICIENT OF	LUCEON UNIT	- سنين ني
1, 2, 2, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	37			KADIUS	PRESSURE	HEAD	IN HOLE	NE CKI	Hp+Hs-Ng			デー×60×亡10gデ		LITTIGETWITT	:	
1,0 1,1 1,0			T	6	P kg/cm²			Hg		Q. 6 /min.	Q cm³/min		om²/min	K=Q/HXC cs/sec	Lu=Q /L·H×10*	_
1.0 1.0	1) to 15	200		1	1000	009	07-	1560	9.0	009	-2	. 0,38	5_01 × 20-1		
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			:.		2	2000			2560	2.0	2000		0.78	2.08-x 10 ⁻⁵		
15 to 20 10 10 10 10 10 10 10	125				n	3000			3560	3.6	3600		1.01	2.69 x 10 ⁻⁵	2.5	
15 to 2 20 1 1000 15					2	2000			2560	8.	1800		0.70	1.87 × 10 ⁻⁵		
15 to 20 300 3.3 1 1000 620 -4.0 1580 0.6 600 2.66 x 10 ⁻⁵ 0.57 1.53 x 10 ⁻⁵ 1.5	l sa				-	0001			1560		200		0.32	8.53 × 10 ⁻⁶		
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,										1						
2, 5 2, 50		5 to 20	200		-	1000	620	07-	1580	6.0	906	2.66 x 10 ⁻⁵	0.57	×		
20					2.5	2500			3080	9.0	9009		0.19	5.18 x 10-6		
200 11.7 1700 0.55 1.47 x 10 ⁻⁵ 200 1 1000 1500 1500 0.5 1.47 x 10 ⁻⁵ 1.28 x 10 ⁻⁵ 200 cc 23 5 1 1000 20 40 1580 0.6 600 2.66 x 10 ⁻⁵ 0.53 1.27 x 10 ⁻⁵ 200 cc 23 5 3 3000 20 150 1.0 0.56 0.51 0.10 1.22 x 10 ⁻⁵ 20 cc 23 5 5 5 500 5.50 1.1 1100 0.56 0.51 0.17 0.10 0.51 0.17 0.10 0.51 0.17 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.10 0.11 0.11 0.10 0.11 0.11 0.10 0.11 0.11 0.10 0.11	141				*	0007			4580	2.4	2400		0.52	1.34 x 10-5	1.2	
20 to 23 500 1 1000 620 -6.9 800 0.5 1.52 x 10 ⁻⁵ 1.52 x 10 ⁻⁵ 20 to 23 3.3 1 1000 620 -6.0 600 2.66 x 10 ⁻⁵ 0.53 1.11 x 100 20 to 23 3 3000 3580 1.11 x 100 0.36 9.14 x 10 ⁻⁶ 23 co 30 3 5000 5 580 1.11 x 100 0.31 8.17 x 10 ⁻⁶ 25 co 30 1 100 5 500 0.55 1.11 x 100 0.31 8.17 x 10 ⁻⁶ 25 co 30 2 1 100 1 100 0.50 0.51 80 0.51 80 0.51 80 0.31 8.17 x 10 ⁻⁶ 25 co 30 3 200 6 20 6 20 0.55 80 0.51 80 0.32 8.42 x 10 ⁻⁶ 25 co 30 3 3000 6 20 6 20 6 60 0.55 80 0.53 8.42 x 10 ⁻⁶ 25 co 30 3 3000 6 20 6 20 6 60 0.50 8.26 x 10 ⁻⁶ 0.52 8.42 x 10 ⁻⁶ 25 co 30 2 2 2000 2 2 2000 2 2 200 2 2 200 0.52 8.26 x 10 ⁻⁶ 0.53 8.25 x 10 ⁻⁶ <th></th> <td></td> <td></td> <td></td> <td>2.5</td> <td>2500</td> <td></td> <td></td> <td>3080</td> <td>1.7</td> <td>1700</td> <td></td> <td>0.55</td> <td>1.47 × 10⁻⁵</td> <td></td> <td></td>					2.5	2500			3080	1.7	1700		0.55	1.47 × 10 ⁻⁵		
20 to 25 550 3.3 1 1000 620 -40 1580 0.6 600 2.66 x 10 ⁻⁵ 0.38 1.01 x 10 ⁻⁵ 3 3 5000 3580 1.1 1100 0.35 9.17 x 10 ⁻⁶ 25 to 30 3 5000 3580 1.1 1100 0.35 9.42 x 10 ⁻⁶ 25 to 30 5 000 1580 0.5 500 0.31 8.17 x 10 ⁻⁶ 25 to 30 5 3000 627 -40 1580 0.5 5.66 x 10 ⁻⁵ 0.32 8.42 x 10 ⁻⁶ 25 to 30 5 5000 627 -40 1580 0.5 5.66 x 10 ⁻⁵ 0.32 8.42 x 10 ⁻⁶ 25 to 300 5 5000 5 5000 4.0 4.0 4.0 4.0 6.0 0.55 1.18 x 10 ⁻⁷ 30 to 35 5 500 7 500 2.2 2.0 0.5 0.5 1.18 x 10 ⁻⁷ 30 to 35 5 500 7 500 2.2 2.0 0.5 0.5 1.1 x 10 x 10 ⁻⁷ 30 to 35					1	1000			1580	6.0	906		0.57	×		
20 co 23 5.00 6.20 6.00 6.66 × 10 ⁻⁵ 6.03 1.01 × 10 ⁻⁵ 20 co 23 3 000 536 1.1 1100 0.31 8.17 × 10 ⁻⁵ 21 co 30 3 000 3 500 1580 1.1 1100 0.31 8.17 × 10 ⁻⁵ 22 co 30 3 000 1 1500 0.3 500 0.3 8.42 × 10 ⁻⁵ 22 co 30 3.2 1 1000 622 -40 1580 0.5 500 0.32 8.42 × 10 ⁻⁵ 22 co 3 3000 3.3 1 1000 622 -40 1580 0.5 500 0.32 8.42 × 10 ⁻⁵ 22 co 3 3000 622 -40 1.6 1.6 0.0 0.32 8.42 × 10 ⁻⁵ 22 co 3 3000 52 5000 2.5 2.0 0.5 0.5 1.18 × 10 ⁻⁵ 30 co 3 500 5 500 2.6 0.0 0.5 1.18 × 10 ⁻⁵ 30 co 3 5 5 500 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																
3 3000 3 3000 3580 1.1 1100 0.36 9.1% × 10° 3 5 5 5 5 5 5 5 5 5		0 to 25	200	3.3	-	0001	620		1580	9.0	009	2.66 x 10-5	0.38	×.		
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			11:		6	3000			3580	1.1	1100	1 4 7	0.31	8.17.x.10 ⁻⁶		
3 3000 3180 11 1100 0.51 3180 1.1 1100 0.51 317 × 10 ⁻² 1.55 1.55 1.5 1.50 0.5 1.5	i.			1 3 11 12		2000			5580	2.0	2000		0.36	9.54 × 10 ⁻⁶	0.8	
25 to 30 5.00 0.55 500 0.65 7.20 1.60 0.22 8.42 x 10 ⁻⁶ 25 to 30 3.5 to 30 3.5 to 30 2.66 x 10 ⁻⁷ 0.32 8.42 x 10 ⁻⁶ 8.42 x 10 ⁻⁶ 25 to 30 3.5 to 30 4.20 1.6 to 60 0.45 1.19 x 10 ⁻⁶ 1.18 x 10 ⁻⁶ 25 to 30 3.5 to 30 3.50 2.5 to 200 0.45 1.19 x 10 ⁻⁶ 1.18 x 10 ⁻⁶ 30 to 35 500 3.5 to 200 765 -40 2.5 to 200 0.5 to 200 0.5 to 200 0.5 to 200 0.25 1.18 x 10 ⁻⁶ 1.20 x 10 ⁻⁶						3000			3580	1.1	1100		0.31	8.17 × 10-6		
25, to 30 500 3.3 1 1000 620° -40 1580 0.5 500 2.66 × 10 ⁻⁵ 0.32 8.42 × 10 ⁻⁶ 25, to 30 3500 3580 1.6 1600 0.65 1.18 × 10 ⁻⁵ 2 5000 3500 2.9 2.9 2.9 0.52 1.18 × 10 ⁻⁵ 30 to 35 500 4.00 4.00 4.00 0.05 1.40 × 10 ⁻⁵ 30 to 35 500 2.2 2000 2.580 0.6 600 0.53 1.40 × 10 ⁻⁵ 30 to 35 500 3.2 2000 -76 27.2 1.4 1400 2.66 × 10 ⁻⁵ 0.53 6.19 × 10 ⁻⁵ 30 to 35 50 2.0 27.2 2.0 4725 1.4 1400 2.66 × 10 ⁻⁵ 0.49 1.37 × 10 ⁻⁵ 30 to 35 500 6 600 0.5 2.0 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0.49 0	2					1000			1580	0.5	200		0.32	8.42 × 10-6		
25, to 30 5.0 5.56 × 10 ⁻⁵ 5.0 2.66 × 10 ⁻⁵ 0.32 8.42 × 10 ⁻⁶ 25, to 30 3 3000 620 1.6 1600 2.66 × 10 ⁻⁵ 0.35 1.19 × 10 ⁻⁵ 3 3000 5 5000 5580 2.9 2.9 0.52 1.19 × 10 ⁻⁵ 4 4 4000 7580 4.0 4000 0.53 1.40 × 10 ⁻⁵ 5 2000 2 2000 2.3 2300 0.5 1.34 × 10 ⁻⁵ 30 to 35 50 to 3 2 2000 755 1.4 1400 0.50 1.34 × 10 ⁻⁵ 30 to 35 50 to 35 2 2000 755 -40 27.5 1.4 1400 2.66 × 10 ⁻⁵ 0.51 1.34 × 10 ⁻⁵ 30 to 35 5 2 2000 755 -40 27.5 1.4 1400 2.2 0.51 1.37 × 10 ⁻⁵ 30 to 30 5 6 600 0.5 600 0.25 0.25 <th></th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- :</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.11</td>										- :						1.11
35 (1) 35 (2) 1.6 (6) 1.0 (6) 1.19 × 10 ⁻⁵ 45 (2) 5 (300) 5 (300) 2.9 2.9 1.38 × 10 ⁻⁵ 4 (2) 4 (1) 4 (1) 4 (1) 4 (1) 1.40 × 10 ⁻⁵ 30 (2) 2 (2) 2 (2) 2 (2) 2 (2) 1.34 × 10 ⁻⁵ 30 (2) 3 (2) 2 (2) 2 (2) 2 (2) 1.34 × 10 ⁻⁵ 30 (2) 3 (2) 2 (2) 2 (2) 2 (2) 1.34 × 10 ⁻⁵ 30 (2) 3 (2) 2 (2) 2 (2) 2 (2) 2 (2) 1.34 × 10 ⁻⁵ 30 (2) 3 (2) 2 (2) 2 (2) 2 (2) 2 (2) 1.34 × 10 ⁻⁵ 30 (2) 3 (2) 4 (2) 4 (2) 4 (2) 1.50 2 (2) 1.31 × 10 ⁻⁵ 30 (2) 4 (2) 4 (2) 4 (2) 4 (2) 1.31 × 10 ⁻⁵ 1.31 × 10 ⁻⁵ 30 (2) 4 (2) 4 (2) 4 (2) 4 (2) 4 (2) 1.31 × 10 ⁻⁵ 1.31 × 10 ⁻⁵ 30 (2) 4 (2)	l	5, to 30	200		1	1000	620	07-	1580	0.5	500	2.66 x 10 ⁻⁵	0.32	8.42 × 10-6		.17
55 60 5 500 5 500 5 500 1.38 × 10 ⁻² 1.38 × 10 ⁻² 4 200 4 200 4.0 4.0 4.0 0.53 1.40 × 10 ⁻² 1.40 × 10 ⁻² 1.40 × 10 ⁻² 5 c 200 2 2 200 7580 2.3 2.30 0.5 1.44 × 10 ⁻² 1.44 × 10 ⁻² 1.44 × 10 ⁻² 1.44 × 10 ⁻² 1.24 × 10 ⁻² <					. 3	3000			3580	1.6	1600		0.45	1.19 × 10 ⁻⁵		
30 to 35 75 g0 4.0 4.00 0.53 1.40 x 10 ⁻⁷ 1.40 x 10 ⁻⁷ 30 to 35 2 2000 2.3 2.30 2.3 2.30 0.50 1.34 x 10 ⁻⁷ 30 to 35 500 3.3 2 2000 765 -40 27.25 1.4 1400 2.66 x 10 ⁻⁷ 0.51 1.37 x 10 ⁻⁷ 30 to 35 500 3.3 2 2000 765 -40 27.25 1.5 1.50 0.51 1.37 x 10 ⁻⁷ 30 to 35 500 3.5 6 600 67.25 3.3 3300 0.49 1.31 x 10 ⁻⁷ 30 to 4 6 600 67.25 4.3 4300 0.49 1.31 x 10 ⁻⁷ 4 4000 8 8000 87.25 4.3 4300 0.49 1.31 x 10 ⁻⁷ 5 5000 5 500 0.50 0.54 1.43 x 10 ⁻⁷ 0.54 1.43 x 10 ⁻⁷			200		5	2000			5580	2.9	2900		0.52	1.38 × 10 ⁻⁵		-
4 4 000 4 560 2.3 2300 0.50 0.134 × 10 ⁻⁵ 30 to 35 500 3.3 2 2000 765 -40 2725 1.4 1400 2.66 × 10 ⁻⁵ 6.19 × 10 ⁻⁵ 30 to 35 500 3.3 2 2000 765 -40 2725 1.4 1400 2.66 × 10 ⁻⁵ 6.19 × 10 ⁻⁵ 6 600 765 -40 4725 1.5 1500 0.32 8.45 × 10 ⁻⁵ 7 6 6000 6725 3.3 3300 0.49 1.31 × 10 ⁻⁵ 8 8000 8725 4.3 4300 0.49 1.31 × 10 ⁻⁵ 8 8000 8725 1.5 1.6 0.49 1.31 × 10 ⁻⁵ 8 8000 8725 2.0 2000 0.26 6.97 × 10 ⁻⁶ 8 8000 8725 2.0 2000 0.56 1.43 × 10 ⁻⁷ 9 9 9 9 1.43 × 10 ⁻⁷ 1.43 × 10 ⁻⁷ </td <th></th> <td>and the second</td> <td></td> <td></td> <td></td> <td>2000</td> <td></td> <td></td> <td>7580</td> <td>0.4</td> <td> 4000</td> <td></td> <td>0.53</td> <td>1.40 x 10⁻⁵</td> <td>1.14</td> <td></td>		and the second				2000			7580	0.4	4000		0.53	1.40 x 10 ⁻⁵	1.14	
30 to 35 5000 3.3 2.000 7.65 -4.0 27.25 1.4 1400 2.66 × 10^5 0.51 1.37 × 10^5 30 to 35 500 3.3 200 7.65 -4.0 27.25 1.4 1400 2.66 × 10^5 0.51 1.37 × 10^5 6 6000 6725 3.3 3300 0.49 1.31 × 10^5 1.27 × 10^5 8 8000 8725 4.3 4300 0.49 1.31 × 10^5 5 8000 5725 1.5 1.6 0.49 1.31 × 10^5 8 8000 8725 4.3 4300 0.49 1.31 × 10^5 9 5 8000 5725 2.0 2000 0.26 0.75		100			7	0007			4580	2.3	2300		0.50	×		250
30 to 35 500 7.6 -40 2725 1.4 1400 2.66 × 10^5 0.51 1.37 × 10^5 8 color 4 4000 4725 1.5 1500 0.32 8.45 × 10^5					2	2000			2580	9.0	009		0.23	×		: 5
30 to 35 500 765 -40 2725 1.4 1400 2.66 × 10^5 0.51 1.37 × 10^5 4 4000 4725 1.5 1500 0.32 8.45 × 10^5 8.45 × 10^5 1.23 × 10^5														A STATE OF S		
4 4000 4725 1:5 1500 0.32 8.45 × 10 ⁻⁵ 6 6000 6725 3.3 3300 0.49 1.31 × 10 ⁻⁵ 8 8000 8725 4.3 4300 0.49 1.31 × 10 ⁻⁵ 5 5000 5725 1.5 150 0.26 6.97 × 10 ⁻⁶ 8 3000 3725 2.0 2000 0.56 1.43 × 10 ⁻⁶	6.7	0 to 35	200	3.3	2	2000	765	-740	. 2725	1.4	1400	2.66.x 10-5	0.51	1.37 × 10 ⁻⁵		
6 6000 6725 3.3 3300 0.49 1.31 x 10 ⁻⁵ 8 8000 8725 4.3 4200 0.49 1.31 x 10 ⁻⁵ 5 5000 5725 1.15 1500 0.26 6.97 x 10 ⁻⁶ 3 3000 37755 2.0 2000 0.54 1.43 x 10 ⁻⁵					7,	0007			4725	1.5	1500		0.32	8.45 × 10 ⁻⁵		:
8 8000 8725 4.3 4300 0.49 1.31 x 10 ⁻⁵ 5 5000 5725 1.5 1500 0.26 6.97 x 10 ⁻⁶ 3 3000 3725 2.0 2000 0.54 1.43 x 10 ⁻⁵					9	0009			6725	3.3	3300		67.0	1.31 × 10 ⁻⁵		77.
5 5725 1.5 1500 0.26 6.97 x 3 3000 3725 2.0 2000 0.54 11.43 x	17.4		3		8	8000			8725	4.3	4300		0.49	1.31 x 10 ⁻⁵	1,08	
3 3000 0.54 11.43 x					\$	2000			5725	1.5	1500		0.26	×		
					3	3000		. 1	3725	2.0	2000		0.54	×		
	-												:	Y		

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ATTACHERY-111.28		LUGEON UNIT	Lu=q'/L-R×10*			0.62							88						2.04											
ATTAGE		COEPFICIENT OF PERMEABILITY	K#Q/HXC on/sec	1.42 × 10"5.	6-81 × 10-6	7.59 x 10 ⁻⁶	8.60 × 10-6	1.26 × 10 ⁻⁵		2.14 × 10 ⁻⁵	2.10 x 10 5	2.11 × 10 °	1.98 × 10	. ×.	1.99 x 10 2	2.14 × 10 ⁻⁵	2.31 × 10 ⁻⁵	2.26 × 10 ⁻⁵	2.15 × 10 ⁻⁵	2.16 × 10 ⁻⁵	2.32 × 10 ⁻⁵	 **************************************								
		G4x	cat/min	0.53	0.26	0.29	0.32	0.47		0.80	0.79	0.79	0.75	0.75	0.75.	0.80	0.87	0.85	0.81	0.81	0.87					-				
8. RICHT BANK		CALCULATING CONST	C min/carsec	2.66 × 10 ⁻⁵					- 1	2.66 x 10 ⁻⁵						2,66 × 10 ⁻⁵		-												
TEST DAMETER B.	EVEL	WATER LEAKAGE	Q cm ³ /min	1500	2000	2800	2200	1800		3700	- 6000	0078	0076	7200	4200	3700	9600	9000	10200	7800	70067									
SSURE	GROUND WATER LEVEL	WATER	Q' / /min	5)	2.0	2.8.	2.2	- 8		3.7	6.0	3	76	7.2	4.2	3.7	6.6	0.6	10.2	8.2	6.9				-	 		1		
ORD OF WATER PRESSURE TEST	GROUND	TOTAL HEAD	В	2810	7810	9810	6810	3810		46.10	7610	10610	12610	9610	5610	 7610	7610	10610	12610	9610	5610									
F WAT		PRESSURE CAUCE THE CAU	Hg 6	-40						07-						-40														
CORD		STATIC HEAD F	H.	850						2650			1			2650				-				-						
REC			# #	2000	7000	0006	6000	3000		2000	2000	0008	100001	2000	3000	2000	2000	. 0008	10000	7000	3000								- }	
13 <u>8</u>		SUPPLIED WATER PRESSURE PRESSURE HEAD	P /6//81	2 ,	, ,	6	9	~		2	2	80	2	7	3	2	5	80	10	7	3		- ,							
SAPT. CANDAKT. PROJECT	(2)	HOLE	5							3.3				1		3.3									7	 	100			
SAR	281-17 (2)	SECTION	J. 0	200						200						. 00\$														
PROJECT	BORE-HOLE No.	DEPTH	. 自 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	35 to 40						40 to 45						45 to 50											1		The San County	
	m	DATE		MAR. 21						MAR. 22						MAR. 22														
																										-				

			,			<u> </u>				-							 -												 					-	_
				LUGEON UNIT	La = Q /L-H×10*			3.2						3.68					2.54							3.6						0.98			
				COEFFICIENT OF PERMEABILITY	K=Q/H×C m/sec	100	2.87 × 10 ⁻⁵	3.86 × 10 ⁻⁵	4.04 × 10-5	2.13 × 10 ⁻⁵		1.85 × 10 ⁻⁵	3.96 x 10"5	4.20 × 10"5.	4,15 × 10 ⁻⁵	3.78 × 10 ⁻⁵	 1.45 × 10 ⁻⁵	2.51 × 10-5	2.98 x 10 ⁻⁵	2.85 × 10 ⁻⁵	2.26 × 10 ⁻⁵		5.91 × 10.2	5.00 x 10-5	4.84 × 10 ⁻⁵	4.50 × 10 ⁻⁵	4.26 × 10 ⁻⁵	2.93 × 10 ⁻⁵	1.54 × 10-6	4.63 × 10 ⁻⁶	1.21 × 10 ⁻⁵	1.22 x 10 ⁻⁵	1.15 × 10 ⁻⁵	2.95 × 10 ⁻⁶	
÷.				Olz	cm²/min	0	1:08	1.45	1.52	0.802		0.697	1.49	1.58	1.56	1.42	0.545	0.945	1.12	1.07	0.848		2.22	1.88	1.82	1.69	1.60	1.10	0.058	0.174	0.455	657.0	0.432	0.111	
	C; LEFT BANK			CALCULATING CONST. $\frac{2.3}{2\pi} \times \frac{1}{60} \times \frac{1}{L} \log \frac{L}{L}$	C Bin/carsec	2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵					2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						2.66 × 10 ⁻⁵						
TESI	DAMSITE	EVEL		WATER LEAKAGE	Q cm3/min	0	2500	4800	3500	1050	1 25 5	1150	4700	7350	4900	2350	006	3450	6350	3900	1,400		5550	8450	11850	14400	8800	3850	150.	800	3450	4400	2850	400	
SORE	ITY	GROUND WATER LEVEL		WATER	Q' 4/min	0	2.5	4.8	3.5	1.05		1,15	4.7	7.35	6.4	2:35	6.0	3.45	6.35	3.9	1.4		5.55	8.45	11.85	14.4	8.8	3.85	0.15	0.8	3.45	4.4	2.85	0.4	
K rke	LOCALITY	GROUND		FOTAL HEAD HP+Hs+Hg	8 8	1310	2310	3310	2310	1310		1650	3150	7650	. 3150	1650	1650	3650	2650	3650	1650		2500	7200	9059	8500	5500	3500	2590	4590	7590	9590	6290	3590	
RECORD OF WATER PRESSURE TEST				STATIC HEAD PRESSURE CAUCE TOTAL HEAD IN HOLE HEIGHT HP+HH+HK	F.	. 0						0					0					:	0		- 1				0						
COKU				STATIC HEAD IN HOLE	Hs G	310						.059					650						200	:					290	1.5					
				SUPPLIED WATER PRESSURE PRESSURE HEAD	Hp GF	1000	2000	3000	2000	1000		1000	2500	7000	2500	1000	1000	3000	2000	3000	1000		2000	0007	0009	8000	2000	3000	2000	7000	2000	0006	9009	3000	
1	ECT			SUPPLIED WAT	P kg/cm²	1	2	3	2	1			2.5	7	.2.5	-	_	6	S	e			2	7	9	8		3	2	7	7	6	9	3	
•	SAPT GANDAKI PROJECT	(1)		HOLE	Ē	3.3				9 200		3.3				-	 3.3						3.3						3.3				:::		
	SAPT GA	881-18 (1)		SECTION	5	200						200		:			200	: 1			. :		200						200						
	PROJECT	BORE-HOLE No.		БЕРТН	6 1	10 co 15						15 to 20					20 to 25				- 1 		30 to 35						35 to 40						
1		Ä		DATE		APR.5						APR.6			7		APR.7						APR.8	1 3.					APR.8			7.7			

		1:15		-				-	<u></u>				7		Τ	·	 	 	 		 			 			ومنسام				٦
	ATTACHENT-III.30		LUGEON UNIT	Lang/L-HX10*				1.88																							
	ATTAC		COEFFICIENT OF PERMEABILITY	K=Q/B×C =/sec	2,18 × 10 ⁻⁵	1.99 × 10 ⁻⁵	2,73 × 10.3	2.34 × 10 3	3.12 × 10 ⁻⁵	3,72							4			- 1 - 1		-									
			o/æ	min/200	9 : 1	0.748	-+	_	十	+	+							 	 		 									-	. 1
	C: LEFT BANK		CALCULATING CONST.	C Bin/on-sec	2.66 × 10 ⁻⁵																										
	TEST DAMSITE C:	VEL		Q can'min	2200	4250	8900	9400	0006						-																
	SSURE	GROUND WATER LEVEL	WATER LEAKAGE	Q' (/min	2.2	4.25	8.9	7.6	0.6																		7	: 4			
	R PRESSI	CROUND	OTAL HEAD	8	2680	2680	8680	10680	7680	2000																					
	OF WATER PRESSURE TEST LOCALITY DAMSEI	1.1	ESSURE CAUCE T	H _g	1:													 													
	RECORD 01		TATIC HEAD PR	8	089																										:
	REC		PRESSURE S.	Нр	1.	2000	8000	10000	7000	200						-		-							,					1	
	Į-		SUPPLIED WATER PRESSURE STATIC HEAD PRESSURE CAUCE TOTAL HEAD PRESSURE CAUCE TOTAL HEAD PRESSURE CAUCE TOTAL HEAD	P tu/cm²	7.3		1			1																1. (1) (1) (2) (3)					
	SAPT GANDAKI PROJECT		HOLE SUI		3.3					+	1				_											3 7	100	14		1	
	SAPT GAND	B81-18 (2)	SECTION LENGTH R	8	200																						100				
	PROJECT	ટ્રે	рертн	j j	2.4																										
		8	DATE		APR. 10		1															5. S.									
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·	ATTACHMENT-III.31				LUGEON UNIT	Lu=Q'/L.HX10*		137.9				3.2				: .	26.9					2.5						1.4								
	ATTA			CORPERCIENT OF	PERMEABILITY	K=Q/HXC cz/sec	1.19 × 10-3	1.22 × 10 2	1.30 × 10 ⁻³		6.63 × 10 ⁻⁵	3.66 × 10 ⁻⁵	6.63 × 10 ⁻⁵		5.20 × 10 ⁻⁴ .	3.34 × 10-4	3.14 × 10-4	3.02 × 10-4	3.49 × 10 ⁻⁴	8.64 × 10 ⁻⁵	3.65 × 10 ⁻⁵	3.08 × 10 ⁻⁵	3.33 × 10 ⁻⁵	9.03 × 10 ⁻⁵		00 × 10	2.82 × 10 ⁻²	1.81 × 107	3.10 × 10 ⁻⁵	1.00 × 10-4						
				0	rj:::	cm²/min	6.44	0.94	7.87		2,49	1.38	5.49		19.54	12,56	11.79	11.37	13.11	3.25	2.37	1.16	1.25	3.39		3.76	1.06	0.68	1.17	3.76						
		n site		CALCULATING CONST.	2.3×1×210g	C min/cm-sec	2.66 × 10 ⁻⁵				2,66 × 10 ⁻⁵				2.66 × 10 ⁻⁵					2.66 × 10 ⁻⁵					y	2.66 × 10										
	E TEST	TEST CROUT	LEVEL		WATER LEAKAGE	Q cm ³ /min	73000	86200	79200		3500	0007	3500		29800	38000	20700	34,400	20000	00777	0097	9300	0027	89,1		00877	0007	0097	0077	0087						
1	PRESSURE	ITY	GROUND WATER LEVEL			Q' 4 /min	73	86.2	79.2	:	3.5	7.0	3.5		29.8	38.0	7.05	34.4	20	4.4	5.6	6.2	4.2	4.6		4,8	0.7	4.6	4.7	8.4				:		
.		LOCALITY	GROUND	TOTAL HEAD	Hp+Hs+Hg	H	1625	1875	1625		1405	2905	14.05		1525	3025	4275	3025	1525	1355	3355	5355	3355	1355		1275	3775	6775	3775	1275						
· · · · · · · · · · · · · · · · · · ·	OF WATER		· .	SUPERIOR CAIRCE	HEIGHT Hp+Hs+Hg	Hg G	25				.25				33					25						25										
	RECORD O			STATIC BEAD	IN HOLE	Hu G	009				380				38					330	-					250										
	RE			RPRESSURE	HEAD	Нр	1,000	1250	1000	2500	1000	2500	1000		1000	2500	3750	2500	1000	1000	3000	5000	3000	1000		1000	3500	6500	3500	1000			- 1			
		TOCT		SUPPLIED WATER PRESSURE	PRESSURE	P kg/cm²		1,25	-			2.5	-		П	2.5	3.75	2.5	ī	H		5	3	-	1	1	3.5	6.5	3.5	1						
		SAPT CANDAKI PROJECT			RADIUS	60	3.3				3.3				3.3					3.3						33										
		SAPT CA	TG - 1		LENGTH	L cm	500				28				200					50	:					22								-		
		PROJECT	BORE-HOLE No.		DEPTH	2 - 5	5 - 10				10 - 15				.5 - 20					20 - 25						25 - 30										1.3
			<u>#</u>		DATE		DEC 9				DEC. 10				DEC 11					DEC.14			. (DEC. 16		si.								
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SECT SECTIONAL MOLE					,			S		,	A STATE OF THE STA		ATIAG	ATTACHGENY-IXI, 32	
Security Mole Security March Security	UECT	o Teas	AND AKT PRO	O.TROT	RE	CORD C	F WAT	ER PRE	SSURE	TEST	# STre				
Signature March	HOLE No.	10 - 2						GROUND	WATER L	EVEL					
1.00 1.00			25 12 27	SUPPLIED WAT		STATIC HEAD I	PRESSURE CAUGE RELORT	TOTAL HEAD HP+Hs+Hg	WATER	LEAKAGE	CALCULATING CONST.	ota	COEPTICIENT OF PERMEABILITY	LUGEON UNIT	
510 500 3.26 x 10 ⁻³ 570 105 90 2.66 x 10 ⁻³ 6.09 x 10 ⁻³ 1015 500 3.3 1 1000 25 1310 3.0 2.66 x 10 ⁻³ 2.2 6.09 x 10 ⁻³ 1.2 1520 500 3.3 1 1000 10 25 1310 3.0 2.66 x 10 ⁻³ 2.2 6.09 x 10 ⁻³ 1.2 1.2 <td< th=""><th></th><th></th><th>1</th><th>P kg/cm</th><th>11:1</th><th></th><th>1.1</th><th>E X</th><th>Q' (/min</th><th>Q cm³/min</th><th>1: </th><th>1 1</th><th></th><th>Lu = Q'/L. H×10*</th><th></th></td<>			1	P kg/cm	11:1		1.1	E X	Q' (/min	Q cm ³ /min	1:	1 1		Lu = Q'/L. H×10*	
1520, 500 3.3 1 1000 225 53 1300 3.6 1.6 1.650 2.66 x 10 ⁻⁵ 2.29 6.09 x 10 ⁻⁵ 1.20 1.20 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.3	ot -	200	3.3	0.25			25		8	. 00006	-	~		720	
1.100 25 1.100 25 1.100 25 1.100 25 1.100 2.5 1.100 2.5 1.100 2.5 1.100 2.5 1.100 2.5 1.100 2.5															
15 2500 1310 3.48 1800 1.046 1.050 1.046 1.050 1.046 1.050 1.046 1.050 1.0	10 - 15	905	3.3	1	1000	285	25	1310	3.0	3000	2.66 × 10 ⁻⁵	2.29	6.09 × 10 ⁻⁵		
1520 500 5.3 i. 1000 310 25 1335 3.0 2000 2.66 x 10 ⁻⁷ 2.5 5.96 x 10 ⁻⁷ 3.0 2000 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 200 2.66 x 10 ⁻⁷ 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2				2,5	2500			2810	9 1	4600		1.64	4.35 × 10 ⁻⁵	3.7	
15 - 20	1 E			н	1000			1310	3,8	3800		2.90	7.72 × 10 ⁻⁵	1	- 1
15 - 20				11											
25. 350 225 1.0 600 1.0	- 11	900	3.3	Н	1000	310	25	1335	3.0	3000	2.66 × 10 ⁻⁵	2.25	5.98 × 10 ⁻⁵		
\$5 - 25 25 25 25 25 25 25 2			10 10 10 10 10 10 10 10 10 10 10 10 10 1	2.5	2500			2835	9.4	0007		1.41	3.75 x 30-5		
20. 550 2550 2550 1355 3.60 1.148 3.94 x 10 ² 20. 55 500 3.3 1 1000 300 25 1255 2.4 2000 2.05 x 10 ² 1.32 3.95 x 10 ² 20. 55 5 5000 30 25 1255 3.4 2000 0.76 2.03 x 10 ² 25. 50 5 5000 30 25 3.2 3.20 0.76 2.03 x 10 ² 25. 70 5 5000 325 4.4 4.00 0.76 2.03 x 10 ² 25. 70 5 5000 325 3.4 4.00 0.76 2.03 x 10 ² 25. 70 5 300 25 1.25 3.50 1.17 x 10 ² 25. 70 5 350 3.6 5.6 5.60 1.17 x 10 ² 25. 70 350 3.5 3.2 3.20 3.05 3.05 x 10 ² 1 1 1000 25 1.25 3.00 1.07 x				3.75	3750			4085	2.8	2800		0.69	1.82 × 10 ⁻⁵	1.5	
1 1000 23 14 2400 25 1255 2.4 2400 2.56 × 10 ² 1.22 2.50 × 10 ² 2				2.5	2500			2835	4.2	4200		1.48	3.94 × 10-5		
20. 25 500 3.3 1 1000 800 25 1825 2.4 200 2.66 × 10 ⁻⁵ 1.29 2.66 × 10 ⁻⁵ 1.29 2.68 × 10 ⁻⁵ 1.29 2.68 × 10 ⁻⁵ 2.68 × 10				J	1000	-		1335	3.6	3600		2,70	7.17 × 10 ⁻⁵		
20 - 25 500 3.3 1 1000 800 25 1.2 24.0 2.66 x 10 ⁻⁵ 1.32 3.50 x 10 ⁻⁵ 1 3 3000 32 3.2 3.2 3.20 0.06 2.66 x 10 ⁻⁵ 0.06 2.33 x 10 ⁻⁵ 1 3 3000 3 4.4 4.00 3.00 0.07 2.50 x 10 ⁻⁵ 25-30 500 3.3 1 1000 4.0 4.0 4.00 2.66 x 10 ⁻⁵ 2.61 x 10 ⁻⁵ 25-30 500 3.3 1 1000 4.0 4.0 4.00 2.66 x 10 ⁻⁵ 2.61 x 10 ⁻⁵ 25-30 500 2.5 5.0 5.0 2.65 x 10 ⁻⁵ 2.0 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ </td <td></td> <td>_</td> <td>:</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4 5 11</td> <td></td> <td></td> <td></td>		_	:		-							4 5 11			
5 5000 3825 5.2 5300 0.16 2.23 x 10 ⁻⁵ 1 3000 3825 4.1 4000 0.76 2.01 x 10 ⁻⁵ 25 x 30 1 3000 3825 3.1 400 0.76 2.01 x 10 ⁻⁵ 25 x 30 50 30 1.825 3.0 300 0.65 2.66 x 10 ⁻⁵ 2.05 x 10 ⁻⁵ 25 x 30 50 2.2 1.25 5.0 0.00 2.66 x 10 ⁻⁵ 2.66 x 10 ⁻⁵ 2.66 x 10 ⁻⁵ 2.00 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 25 x 30 3.5 5.60 3.56 x 10 ⁻⁵ 2.67 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1.17 x 10 ⁻⁵ 1 1.000 1.125 5.6 5.60 0.75 2.00 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ 1.07 x 10 ⁻⁵ <		500	3.3	1	1000	800	25	1825	2.4	27,00	2.66 x 10-5	1,32	3.50×10^{-5}		
55 5000 5825 4,14 44.00 0.76 2,00 x ± 0.5 25 - 30 3000 3825 3.4 34.00 0.69 2.56 x ± 0.5 25 - 30 50 300 1.64 4.00 0.69 2.56 x ± 0.5 25 - 30 50 3.5 3.5 3.50 3.60 3.65 x ± 0.5 2.00 x ± 0.5 25 - 30 50 5.6 5.60 2.66 x ± 0.5 2.60 x ± 0.5 2.00 x ± 0.7 3.5 5500 3925 5.2 5500 0.75 2.00 x ± 0.7 2.00 x ± 0.7 3.5 5500 3925 4.12 4.20 0.75 2.00 x ± 0.7 2.00 x ± 0.				6	3000			3825	3,2	3200		78.0	2.23 × 10 ⁻⁵		
3 3000 1 1,62 2,46 × 10 ⁻⁵ 1 1,000 1,62 3,00 3,000 1,64 1,57 × 10 ⁻⁵ 25 30 300 300 3,0				5	5000			5825	4.4	0077		0.76	2.01 × 10-5	1.3	
25 - 30 500 3.0 3.0 3.0 3.0 3.6 4.0 4.00 2.6 x.10 ⁻⁵ 2.81 7.10 x 10 ⁻⁵ 25 - 30 50 2.5 3.0 2.6 x.10 ⁻⁵ 2.81 7.10 x 10 ⁻⁵ 25 - 30 3.5 3.50 3.92 5.6 5.0 2.66 x 10 ⁻⁵ 2.81 7.10 x 10 ⁻⁵ 3.5 3.50 3.5 3.50 0.75 2.00 x 10 ⁻⁵ 2.00 x 10 ⁻⁵ 3.5 3.50 3.50 0.75 2.00 x 10 ⁻⁵ 2.00 x 10 ⁻⁵ 1 1.000 1.025 3.6 3.6 2.67 7.09 x 10 ⁻⁵ 1 1.000 1.025 3.6 3.6 2.67 7.09 x 10 ⁻⁵		1 1 1		3	3000			3825	3.4	3400		0.89	2,36 × 10 ⁻⁵		
25 - 30 500 3.3 1 1000 400 25 - 10 4.00 2.66 x 10 ⁻⁵ 2.91 7.17 x 10 ⁻⁵ 8.5 3.5 3500 6.5 5500 2.66 x 10 ⁻⁵ 2.91 7.17 x 10 ⁻⁵ 9.5 5500 6.5 6500 0.77 2.00 x 10 ⁻⁵ 3.00 x 10 ⁻⁵ 1 1.000 1.020 1.025 3.8 3800 0.75 2.67 7.09 x 10 ⁻⁵ 1 1.000 1.020 1.025 3.8 3800 2.67 7.09 x 10 ⁻⁵				1	1000			1825	3.0	3000		1.64	4.37 × 10 ⁻⁵		
25 - 36 500 3.3 1. 1000 400 25 14.5 4.0 4000 2.66 x.10 ⁻⁵ 2.81 7.47 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.10 ⁻⁵ 2.81 x.1															
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	25 - 30	200	3.3	т.	1000	007	25	14.25	0,4	4000	2.66 x 10 5	2.81	7.47 × 10-5		
6.5 6500 6925 5.2 5200 0.75 2.00 x.10 ⁻⁵ 3.				3.5	3500			3925	5.6	2600		1.43	3.80 x 10-7		
1.07 1.07 1.07 1.07 1.07 1.07 1.07 1.07			2.4	6.5	9200			6925	5,2	5200		0.75	2.00 × 20 ⁻⁵	7.6	
11/25 3.6 3300 2.67		-		3.5	3500			3925	2.4	7500		1.07	2.85 × 10"5		
		:		1	1000			1425	3.8	3800		2,67	7.09 × 10 ⁻⁵		
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ATTACHMENT-111.33	,		LUGEON UNIT	Le=Q'/L-R×10*		5.3			2.6				1.1						1,2					6.0										
ATTACH	-		COEFFICIENT OF PERMEABILITY	K=Q/H×C on/sec	2-01 × 16-7	4.54 × 10 ⁻⁵	4.91 × 10-5	7.15×10^{-5}	3.16 × 10 ⁻⁵ .	6.71 × 10 ⁻⁵	0	1.51 × 10 ⁻⁵	1.36 x 10 ⁻⁵	1.51 × 10 ⁻⁵ -	D		3.64 x 10-2	1.93 × 20"5	1.50 × 10 ⁻⁵	1.77 × 10 ⁻⁵	3.64 × 10 ⁻⁵	 4.68 x 10-5	1.16 × 10 ⁻⁵	1.16 × 10 ⁻⁵	1.79 × 10 ⁻⁵	4.29 × 10 ⁻⁵							-	
	.		oήπ	om²/min	2.85	1.71	1.85	2.69	1:19	2.52	0	0.57	0.51	0.57	0		1.37	0.72	95.0	99.0	1.37	 1.76	77.0	0.44	0.67	1.62		7						
	T. SITE		CALCULATING CONST.	C min/cursec	2.66 × 10 ⁻⁵			2.66 x 20-5			2.66 × 10 ⁻⁵						2.66 × 10-5					2.66 × 10 ⁻⁵												
TEST	TEST CROUT SITE	EVEL	WATER LEAKAGE	Q c=³/min	3000	3200	3000	3200	3200	3000	0	1,500	2000	1,500	O.		1800	2400	3000	2200	1800	24.00	27,00	3000	2600	2200	ALTERNATION OF							
SSURI	È	WATER I	WATER	0. //min	3.0	3.2	3.0	3.2	3.2	3.0	0	1.5	2.0.	1.5	0		1.8	2.4	3.0	2.2	3.8	2.4	2.4	3.0	2.6	2.2								
RECORD OF WATER PRESSURE TEST	LOCALITY	GROUND WATER LEVEL	FOTAL HEAD Hp+Hs+Hg	3		1875	1625	1190	2690	1190	1150	2650	3500	2650	1150		1315.	3315	5315	331.5	1315	1365	3865	6865	3865	1365								
F WATI			PRESSURE CAUGE TOTAL HEAD HEGHT HO+Hs+Hg	H				25			25						25					25												
CORD O			STATIC READ P	¥8	L			165			125						31.5					340												
RE			WATER PRESSURE	6	8	1250	0001	1000	2500	3000	1000	2500	3750	2500	1000		1000	3000	2000	3000	1000	1000	3500	6500	3500	0001								
	TCT		SUPPLIED WATE	P kg/cm²	1.	1.25	ī	1	2.5	1	1	2.5	3.75	2.5			1	3	2	3		H	3.5	6.5	3.5	J T								
:	SAPI GANDAKI PROJECT		HOLE	8	3.3			3.3			3.3						3.3					3.3								-				
	SAPT CAN	TG = 3	SECTION	1	58		116	500			500						8					200					i nenga							
-	PROJECT	BORE-HOLE No.	рертн 8	E	٥			10 - 15			15 - 20			W. 110			20 - 25					25 - 30						and the section of						
	"	BO	DATE		DEC 21			DEC . 23		N 2 18 9	DEC. 24						DEC: 25					DEC. 25		7 7 1			A 1555 A	may be so we	# 		1.2			
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ATTACHENT-III.34			LUGEON UNIT	Lu×Q'/L.H×10*		7.7				2,5				1.7												- S				
ATTACHM			COEFFICIENT OF PERMEABILITY	K=Q/H×C ca/sec	4.34 × 10 ⁻⁵	4.69 × 10-5.	3.91 × 10 ⁻⁵		3.73 × 10 ⁻⁵	3,15 × 10 ⁻⁵	3.73 × 10 ⁻⁵	5.77 × 10 ⁻⁵	2.86 × 10 ⁻⁵	2-01 × 11.2	2.86 × 10 ⁻⁵	5.57 × 10 ⁻⁵														
			o(x	œ²/min	1.63	1.76	1.47	1	1.40	1.18	1.40	2.17	1.08	0.79	1.08	2.09		141 141												
- Water	or site		CALCULATING CONST.	C min/cm-sec	2.66 × 10 ⁻⁵				2.66 × 20-5			2.66 × 10													:				-	
E TEST	TEST CHOUT SITE	EVEL	WATER LEAKAGE	Q card/min	3000	2600	1800		.1300	3300	1800	3800	3000	3200	3000	2700														
SSURI	ТТУ	WATER I	WATER	Q. C/min	2.0	2.6	1.8		2.8	3.3	1.8	 2.8	3.0	3.2	3.0	2.7	 	20.00				:				-				
RECORD OF WATER PRESSURE TEST	LOCALITY	GROUND WATER LEVEL	TOTAL HEAD	8 ±	1225	1475	1225		1285	2785	1285	1.290	2790	0707	2790	1290												-		
F WAT			PRESSURE CAUCE TOTAL HEAD HEIGHT HE-HA-HA-	H.	1				.25			25	-																	
CORD C			STATIC HEAD IN HOLE	E.	L				250			265	1,2												1 .					
RE			WATER PRESSURE	B ox	Q	1250	1000		DOCE	2500	7,000	1000	2500	3750	2500	0000						- :								
	LOSCI.		SUPPLIED WATI	200/37 d	1	2.25	1		1	2.5	-1	ı	s.	3.75	2.5	1				:				1.						
	SAPP GANDAKT PROJECT		HOLE	8	3.3				3.3	. A.T.		3.3																	_	
	5 445		SECTION	8	005				.200			ŝ	1,1						1) 1.4						1 2 2 2 2					
	PROJECT	<u>e</u>	рертн	l S					10 - 15			15 - 20																		
]# <u> </u>	DATE		DEC. 31				J.AN. 4			JAN 6																		

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ATTACHMENT-III.35			LUGEON UNIT	Lu = Q'/L. H×10'		78.€				3.04					2.24																		
ATTACI			COEFFICIENT OF PERMEABILITY	K=Q/H×C ca/sec	4.64 × 10 ⁻⁵	4.39 × 10 ⁻⁵	5.08 × 10 ⁻⁵		5.22 × 10 ⁻⁵	3.58 × 10"5	4.82 x 10 ⁻⁵		6.28 × 10 ⁻⁵	3.35 × 10 ⁻⁵	2.72 × 10 ⁻⁵	3.35 × 10 ⁻⁵	6.28 x 10 ⁻⁵						·	-									
			OΙΞ	at/ain	1.74	1.65	1.91		1.96	1.35	1.81		2.36	1,26	1.02	1.26	2.36																
	or size		CALCULATING CONST.	ı	2,6				2.66 × 10 ⁻⁵				2.66 × 10 ⁻⁵																				
TEST	TEST GROUT SITE	EVEL	WATER LEAKAGE	Q min	21.00	24,00	2300		2600	3800	24.00		3200	3600	4200	3600	3200																
SSURE	ĬĮ.	GROUND WATER LEVEL	WATER	Q. //min	2.1	2.4	2.3		2.6	3.8	2.4		3.2	3.6	4.2	3,6	3.2														:	 	
R PRE	LOCALITY	GROUND	TOTAL HEAD	I		3455	1,205		1325	2825	1325		1355	2855	4105	2855	1355							7:	-								
RECORD OF WATER PRESSURE TEST	:		RESSURE GAUCE HEIGHT	8	ľ				25				25					.:															
CORD 0			STATIC HEAD PRESSURE GAUCE IN HOLE HEIGHT	£ 8					300				330																				
RE				H ₀	l o	1250	1000		1000	2500	1000		1000	2500	3750	2500	1000	-								· · ·				-			
	TECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P 14/62		1.25	1	i	1	2.5	1		7	2.5	3.75	2.5	e I																
	SAPT CANDAKI PROJECT		HOLE S	- 8	3.3				3.3		 	1.5	3.3				- 1		-	-								 				 	
	SAPT G	TC - 5	SECTION	C					500				500					-															
	PROJECT	BORE-HOLE No.	DEPTH	1 6			:		31 - OI				15 - 20														1 1	-4					
	· · ·	 	DATE		7	L			JAN 8				JAN 10									L									L		

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ATTACHMENT-111.36			LUGEON UNIT	L=0'/L-8×10*		1.2				0.07						0.2										1							
ATTACH			COEFFICIENT OF PERMEABILITY	X=Q/H×Con/sec	1.53 × 10 ⁻⁶	1.16 × 10-5	1.53 × 10 ⁻⁶	1	9.72 × 10-7	7.01 × 11.7	9.72 × 10-7		N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		8.21 × 10-7	2.24 × 10-6	8.21 x 10-7									1 1 1							
	* : .		oni≖.	X Min X		_	0.057	 0	0.036	0.027	0.036	0		0	0.031	0.084		0													1		
			LE NST	zec.	- 1		: ·	 -Ç	-		-										 	_					-		1	_		-	
	PING SITE		CALCULATING CONST.	C min/co-sea	2.66 × 10 ⁻⁵	-		2.65 × 10 ⁻⁵						2.66 × 10-5																			
TEST	TEST CROUTING	ver	1	Q cm3/min	100	1300	130	 0	100	100	100	٥		0	100	207	100	0												-			
SURE	TY	GROUND WATER LEVEL	WATER LEAKAGE	Q. (/min	0.1	1.2	0.1	0	0.1	0.1	0.1	0		0	0 3	7.0	0.1	0											* 4				
R PRE	LOCALITY	GROUND	TOTAL HEAD	8	1740	2740	1740	1740	27.10	3740	2740	1740		1740	3240	07,240	3240	1740															
RECORD OF WATER PRESSURE TEST		:	PRESSURE CAUCE TOTAL HEAD HEIGHT HEIGH	H _e	1			30.					. :	30								_											
CORD C			STATIC HEAD IN HOUE	Hs g	1			710						710																j.			
RE			ER PRESSURE HEAD	E GH	1000	2000	1000	1000	2000	3000	2000	1000		1000	2500	7000	2500	000															
	JECT		SUPPLIED WATER PRESSURE PRESSURE HEAD	P leg/cm²	es	CZ.	Ţ	1	2	3	.2	7		1	2.5	, a	2.5	1 1 1															
	AND AKT PROJECT		HOLE	5	3.3			3.3	4					3.3									7 1 2 1	Þ									
	SAPT GANDA	30 - 6	SECTION	B				200						200														1 2 2 2 2	A 1775-1				
	PROJECT	BORE-HOLE No.	оветн	8 I 8	.0		Water State	10 to 15						15 to 20				7 7 7 7 Th											The second secon				
		≆	DATE		5. HV			W. 5						YAR 5																			

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	attachment-lil.37		LUGEON UNIT	La=Q'/L-H×10*			0.2				1		0.1																
	AITACH		COEFFICIENT OF PERMEABILITY	K=Q/H×Ccm/sec		9.71 × 10-7	2.13 × 10-6	9.72 % 10_'	1				1.12 × 10-6	Į	1	1.7													
			olx	cm²/min	0	0.036	0.090	0.036	0			9	0,042	0	0														
		TEST GROUTING SITE	CALCULATING CONST.	C min/cm Sec	2.66 × 10 ⁻⁵					*	2.65 × 10																		
. }	PRESSURE TEST	[4]	WATER LEAKAGE	Q cm3/mi	0	2001	300	001	0		0	0	98	0	0														
	SSUR	WATER		Q' (/min	Ö	0,1	0.3	0.1	٥		0	0	0.2	0	0:]] [] [1						
		CROUND WATER I	TOTAL HEAD Hp+Hs+Hg	H OF	12.7	271,0	3740	2740	1740		1740	3240	07/7	3240	1740														
	OF WATER		PRESSURE GAUGE HEIGHT	Hg on	li				-		8									 !									
	RECORD C		STATIC HEAD PRESSURE GAUGE IN HOLE HEIGHT	Hs cm	710						71.0																		
	RE		ER PRESSURE HEAD	₽	1000	2000	3000	88	1000		1000	2500	0007	2500	1000			-									-		
:		JECT	SUPPLIED WATER PRESSURE PRESSURE HEAD	P kg/cm²	1	2	3	CV.	-1			2.5	7	2.5	1	<u> </u>	 	-		-	-	-		} -				-	
		SAPT GANDAKI PROJECT TO - 7	HOLE RADIUS	5	3.3						3.3	1		:					-										-
	s *	SAPT GA	SECTION	j.	Į į						8																	-	
		PROJECT BORE-HOLE No.	DEPTH	8 H	57						15 to 20			.1															
-		#	DATE		MAR.5						MAR. 7																		

