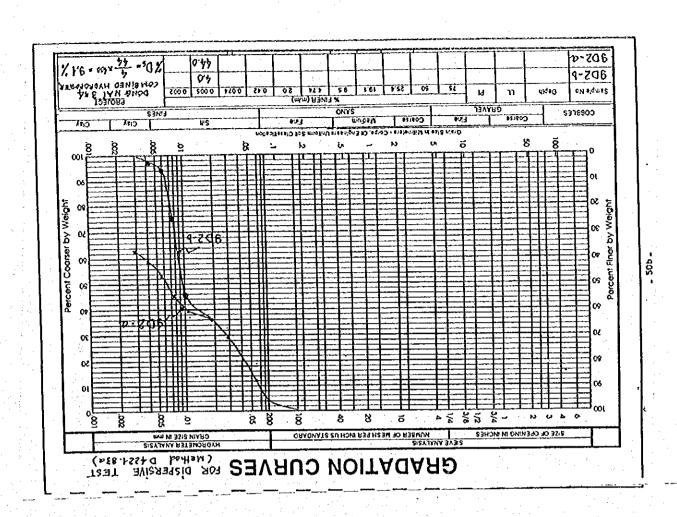
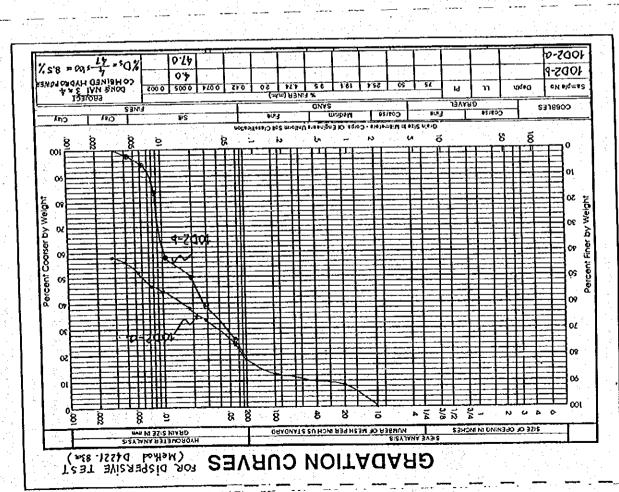
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PHÂN TÍCH THÀNH PHẨN HAT		Måu s6 (Test N°):	Ty trong (Sp. Gravity):	ı xe (Hydn	Số hiệu chính mặt cong	(Menicus correction)	Phân tích Cỷ trọng kế	(Hydrometer analysis)	The data knot then phase then 1.1 km $<$ M $^{-1}$ U $^{-$	Nº 200	ter < N° 2	\$\$    1	analysis)	0.0	u	달 양	욯	Š	reading	ה ליש היים היים היים היים היים היים היים היים	2 6		2 6	2	9	ន	-1.5			,	× 8 × 8	¥ 6	ž.	m m	1				Checked		RICH	;
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H H	GRAIN SIZE ANALYSIS	Ì			1		P=-		TL dat kno then phan tien 11 kg < w 10 kwo of dry soil partical for hydromethr < h	Tt. dất icho trich phân tích TT kế < Nº 200	(Wt of dry soil partical for hydrometer $< N^{\circ}$	TL dift knotoan phin cho phin tich TT ke	(Wt of dry soil total for hydrometer analysis)	. nth		35	chiet Go	Temp.	П	ε	٠]:	٠,	١٠	۲	1	; ?	1,5				a.						in Grams	SEE				
HÄN	ZE A	TOW OF	Ž	8	36,6				o trica s	trich Chi	y soil pa	o nector	y soil to	SS HC chất phân lần	(Dispersing correction)	Nhiệt	8	Temp.	ļ	ادا	2	7	٤	3/5	۶	ş   5	22			calculate	er, Finer	ŧ	er, Finer		r. Finer		nalysis	E 535				
TH.	SAIN S	METH	DONG NAI 384 COMBINED RYCHUPOWER						7. date 3. date 3. date	4 4 5	(Wt of dr	T. 651 XI	(Wt of dr	SKHC	(Disper	ion.	_	Ě	į	1	S)	~	۸.	2 8	3 5	2 2	240			Formula calculation	Partial per. Finer		Partial per, Finer		Total per, Finer		omilined	netter ana Nº 200 s	ted	· .		
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Z			38.4	or we	n hạt	.: 92			0	°		_	(pau	Total	-			Г		7	1	1	1	1	1	1							83				edwes.	26 45 4 2 4 4 4	<u>.</u>			
T C	<b>.</b>		SONG SONG	Wt of dry	anh phá	r grain si	20 TE	Sis:			ν. 4	% trên sang	(% retained)	Partial																							y₩tof	n los soi e	Ì			
			Cong trinh (Project):	TL dat kno-uot phan tich (Wt of dry or wet soil)	Do am dat uct phan tich thanh phán hạt	(Moisture content of soil for grain size) :	Phin tích sàng	(Sieve analysis)	₽.	(Total WI sample)	(W) of coarse soil retained N° 4)	ŗ	trên sáng	ž	retained) 0																		2.5				Ws = Total overdry Wt of sample used confined analysis in grams	We = Overdry Wt of soil used for hydrometer analysis in glams				
1			Công trình (Project) : Mà tả mẫn (Descripti	150-6	it uct p	conten			Tổng TL đất kho TN	(Total Wi sample)	arse so	٤		1	(hado		ŝ	2	25.4	19.1	9.52	6.35	4.75	_	20	1.19	Ş (2	9	8	120	0.15	0.11	20.0	5	ž		Ws -	%c	Tested			Š
			ang trìn A ta ma	dat in	d find	Acisture		. :	ống TL	ota: w	8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	CS SANO	(Sieve size)	(Sieve	£	١,	1.	5.		3/4	3/9	ي 2	¥ ×	ď	C .	9LN	9E.N	N.	8	N 70	25.2	χ. 23.60	.N.200	P.	Total Wit	도	Note:					
<u> </u>		 	<u>8</u> §	<u> </u>	<u> </u>		Ь.	•••	E.	<u> </u>	<u>:                                    </u>	L	_	۲		±ا	<u>ا</u>	۰	L	۰	لىا		<u>.                                    </u>		• 1	-13	_ <b>_</b>	10			1 <u>'</u> -	1	•	۰		_					:	_



			902	152H		017 = 11.0 010		, yy		42.95 0	+		1	•	So MC mat cond Co. 1.0	8		Š	Ę	e :	× d	37.5			26.0	23.5	20.02	17.5	0.0028 16.5 38.5			Fig. 19 Automotive 155H	and the land to th	HC24 andersonation 152H	ומג האמוסחופינפו וסגוז								
PHÂN TÍCH THÀNH PHẦN HAT			Måu số (Test Nº ) :	Ty trong (Sp. Gravity)	Ty trong ke (Hydrometer N' )	Số hiệu chính mặt cong	(Menicus correction)	Phan tích tỷ trọng kể	(Hydrometer analysis)	N° 10	ter < N° 10)	N 200	(W) of day soit particle for ity ordered a second	3 1 XE		1.2	3	2 6	3 8	reading	A.R.+C.	39.0	32.0	29.0	27.5	25.0	21.5	19.0	280	1		:	× 201 × 201		œ <sup>®</sup>	;	<u> </u>	ě	<u>.</u>	 	Checked	:	:
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(H.P.	GRAIN SIZE ANALYSIS	(METHOD ASTM D4ZZ)	1							TL dist kho trich phin tich TT ke < Nº 10	(W) of dry soil partical for hydrometer < N°	rt dat and trich phan tich TT ke < N° 200		Ti dat khôtoàn phân cho phân tion 11 ke	(Wt of dry soil total for inycrometer analysis)	The Carry		8	Tems		ε	1.5	1,5	1.5	1.5	1.5	1.5	1.5	2						٧,	. !	Ė		in grams	SWELL			
HÀ	SIZE A	EV GO	DONG NAI 384 COMBINED HYDROPOWER		8	39.7 %				the trich	ry soil p	96 TiCh	2 2	chotoan p	os c	SO HC chai phan tan	(Oispersing currection)	ž į	8 .	<u>.</u>	ပ္	22	22	23	ĸ	E	22	21	2,2			Formula_calculation_	Partial per, Finer		Partial per, Finer		total per, Finer		analysis	itysis in	200		
H	Z IN	E SE	NEO MY			:.					(Wt of d	71. 0813	اڠ	<u> </u>	š				5	į		0.5	2	S	ä	g	8	≅	ş			Spring	Parta		Partial		<u>8</u>		pauline	neter and	200		-
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S. S.			UA: 38			an hat	size) :		:	L	. :		$\rfloor$	% trên sang	ained)	Tota										$oxed{\perp}$		L					_	_	4.2				dwes,	used to	- S		
P.H.			0000	ĺ	Mode	Ag Worth	r orain	1	, Sis				ç Z	% trer	(% retained)	Partial																							y Wto	5 5	E S		,
\			: ::	Me ta mau (Description):	TL dat kho-uot phan tich (Wt of dry or wet soif) :	Do am dát ươt phân tích thành phân hat	(Moisture content of soil for grain size) :	Ohto teh sano	(Sieve analysis)	N. V	E	I'L hat the tren sang Nº 4	(Wt of coarse soil retained Nº 4)	٦	trên sáng	š	retained) g																		1.8				Total overdry Wit of sample used comfined analysis in grams	We - Overdry Wt of soil used for hydrometer analysis in grams	W Overdry Wt of sample on N° 10 of N° 200 serve		
		٠	. 4 90	20 Ces	10-0t	ige out g	e conte		1.	TANG TI AS'S RING TIN	dwes 1	ho trên	S asies	gang		(Sieve	(uado	76.2	50.8	38.1	;	5			?	30	3 =	Ä	0.59	0.42	0.30	0.21	0.15	0.11	0.07	Pan	Total WT	D	<b>,</b>	, e = (	≱	Tested	
			Cana trinh (Project) :	Meta	T dat k	00 am	Moistur			Type II	(Total Wt sample)	1. hat 1	(Wt of c	ន	(Sieve size)	(Sieve	£	· 3·	ž,	1.5	-]:	5/5	or i	' ;	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	5	2 2	N. 20	£30	05.N.	N,20	N270	00 L.N.	N*140	.N.200	_	ğ	Æ	1				
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	Måu só (Test N°):	Tỷ trọng (Sp. Gravity):	kê (Hydr	Số hiệu chính mặt cong	(Menicus correction)	Phan tích tý trong ké	(Hydrometer analysis)	N 10	partical for hydrometer < Nº 10)	N° 200	(Wt of dry soil partical for hydrometer $< N^{\circ} 200$ )	ž.	analysis)	0			3 8	3	0.0.0		9		26.0	21.5			00	Ç.			:	¥ 8 3			717	: }	:			i	Checked	,	BICH	
	A≟u só (	y trọng	y trong	S nieu c	Menicus	Pan Ck	Hydron.	12 12 12 13 14	ydromet	¥ <u>1</u>	ydrome	hân tích	отере	j G		8 1	4	2	200	-	8		200	ž	စ္	S	2	Ş.				일 * 당	5	* 3 ≥	,	٠ •				:				
Z Z		. •	٠.			ľ		TL dat kno trich phan tich TT kie < Nº 10	rtical for h	TL dat kno trich phan tich TT ko < N° 200	rical for h	TL dat knotoan phan cho phan tich TT ke	(Wt of dry soil total for hydrometer analysis)	E S	ſ	35	3	ć.	ğ.	E	3	2	1.5		1.5	1.5	1.5	1.5			- 1	<u>.</u>		ζ.	c	Ė		in graims	grams		-			
(METHOD ASTM DAZZ	CONG NAI 334 COMBINED HYDROPOWER		60 0	79.7%				trich ;	ry Soil pa	hô trích p	ry soil pa	d naoton	iny soll tot	Số HC chất phân tấn	(Dispersing correction)	ta de	8	d L	į	,	2	22	23	12	22	22	22	27			Formula calculation	Partial per, Fines		Partial per, Finer		Total per, Finer		analysis	alysis in	sieve		٠.		:
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:	N SNO		Vt of dry	anh ph	grains		. Keitel				% <b>4</b>	% trên sáng	(% retained)	Partial Total						ļ								<u> </u>										۲۷≪وا	105 30	of Sam			\$	
			Ti distributor phân tich (Wt of dry or wet soil) :	ne am die uct ohan tich thanh phan hat	(Moisture content of soli for grain size) :	1	Vina is then many.	T.	·	A Old a de	it hat no cen selly in a court of coarse soil retained N° 4)	F	iren sang		retained) g																			1.8				Ws = Total overdry Wt of sample used comfined analysis in grams	We - Overdry Wt of soil used for hydrometer analysis in grams	W; = Overdry Wt of sample on N° 10 or N° 200 sleve	-			
	Principle (Bright)	Mo is mau (Description)	ho-uct of	15t uct of	conten			IT Adv die iT ander	DAT KIN	(Total wit sample)	nar den so	Sakha Sakha		Sleve	open)	76.2	50.8	38.1	23.4	19.1	9.52	6.35	_	-1 -2	2.0	╌	8	-	-	0.30	0.21	0.15	0 0.11	0.07	Pan	Total Wt	in ¢	Ws =	We .	w, = 0	Textor			₹
	3		4 150	a way	Woistun			F 77	i duoi	100	Whole	Š	(Sleve	(Sleve	ž	6	2	51	-	3/6	3/6	ş	N.	_	2	N°16	ž	Š	2	ş	2	100 N	N*140	N. 200		101	.5	90 90 90			-, .;	÷ . *		
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PHÂN TÍCH THÀNH PHẦN HẠT GRAIN SIZE ANALYSIS (METHOD ASTM D422)



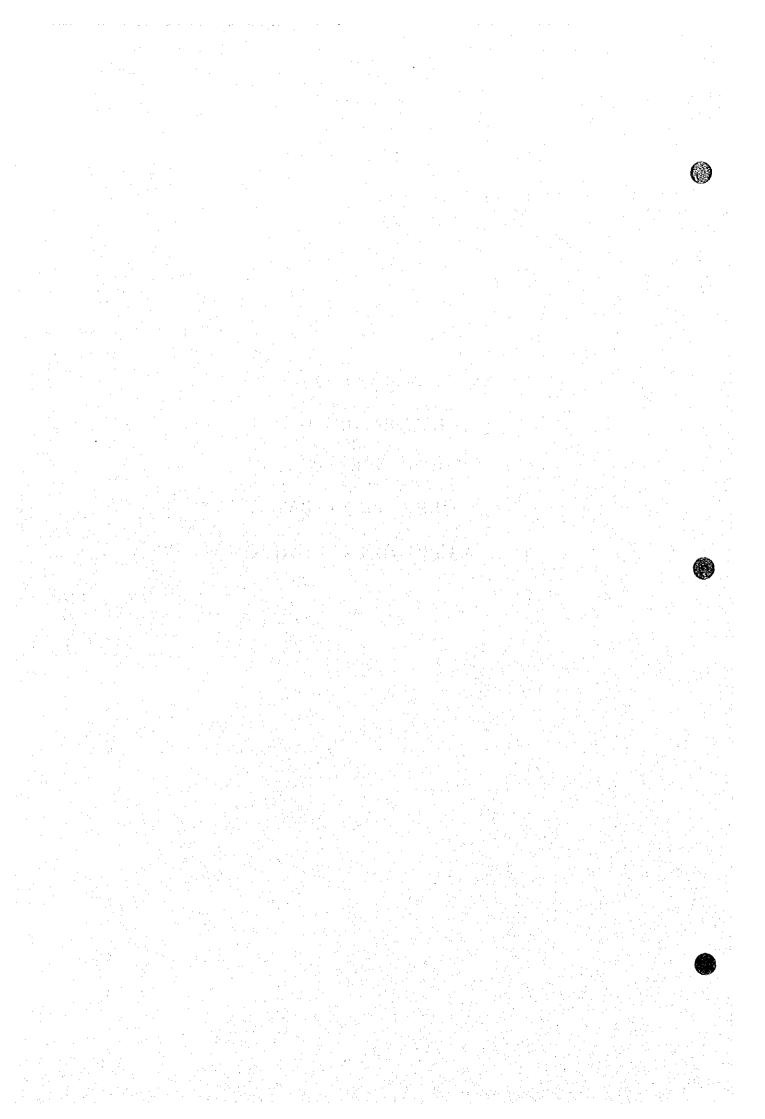
Cong. trush   Project)   Cond. Mail 244 COMBINED HYDROPOWER   Mail 26 (frest N°)   1002-a   1000							•	•		1					
NED HYDROPOWER   Mau s6 (frest N°)   1002-cs     NED HYDROPOWER   Ty trong (Sp. Gravky)   152H     60 g   Ty trong (Sp. Gravky)   152H     60 g   Ty trong (Sp. Gravky)   152H     10 (Menicae correction)   10 (Menicae correction)   10 (Menicae correction)   10 (Menicae correction)   11 (41 kmb trich phán tich TT ké < N° 10)   146-66 g     NYL of dy soil partical for hydrometer < N° 10)   146-66 g     NYL of dy soil partical for hydrometer < N° 200   0   0     11 (41 kmb trich phán tich TT ké < N° 200   0   0     12 (41 kmb trich phán tich TT ké < N° 200   0   0     13 (42 kmb trich phán tich TT ké < N° 200   0   0     14 (43 kmb trich phán tich TT ké < N° 200   0   0     15 (44 kmb trich phán tich TT ké < N° 200   0   0   0     16 (44 soil phán tich TT ké < N° 200   0   0   0     17 (41 kmb trich phán tich TT ké < N° 200   0   0   0     18 (44 soil phán tich TT ké < N° 200   0   0   0     19 (44 soil phán tich TT ké < N° 200   0   0   0     19 (44 soil phán tich TT ké < N° 200   0   0   0   0     10 (44 soil phán tich TT ké < N° 200   0   0   0   0     11 (41 kmb trich phán tich TT ké < N° 200   0   0   0   0   0     12 (44 soil phán tich TT ké < N° 200   0   0   0   0   0     15 (44 soil phán tich TT ké < N° 200   0   0   0   0   0   0     16 (44 soil phán tich TT ké < N° 200   0   0   0   0   0   0   0     17 (45 kmbín tich TT ké < N° 200   0   0   0   0   0   0   0   0   0			-	4						ç					
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10   10   10   10   10   10   10   10	1	Q : E1								Tỷ trong	(Sp. Gra	·ity):		152H	
Than iche by crong kd	· •		ohån tich (V	W: of dry		 (igs		9		Ty trang	ı Ké (Mydr	ometer N	.: ::		-
Thenicus correction	3		man tich th	ach on	ted o			28.6	*	SS Figure	chinh ma		ė E	0.	
### STATE OF THE PLAN (CAT)    Committee of the computer of the computer co	Moistur	e conte	nt of soil for	grain Si	:: 8					(Menicu	s correction	g			
Complex calculation   Checked   Ch		١	47,7	1						Phán tá	th ty tron	z kč			
Not of day soil partical for hydrometer < N° 10)		٠	Sieve ana	Asis)		-	•			(Hydron	neter anal	sis)			
Wit of day soil partical for hydrometer < N 200     N 4 a	rono TL	dă!kh	NT 6		ľ		ני פענ א	the trich g	phin tích	7 X6 <	N° 10		46.66	0	
Tracat keb trich phan tich TT ke < N° 200	40		•		s.		Windo	ny soil pa	rtical for	hydrome	ter < N°	6			1
Course soil retained N 4)	1	10 tê	sång N° 4	,			7. OST K	thô trích (	phán tích	TT kë <		8		•	
Sample   Lange   Sample   Sa	١٥	S S	oil retained	ج ا	Ì		5 ¥	100	hán cho o	han tich	\$    -			L	
Second   Composition   Compo	8	o i	11.	Te ITES			owy of d	10 905 A	tal for thy	rometer	analysis)				
Committee   Comm	2	31Z6	Cues year	2			Š	i de	la tán	ئ	3.0	So HC m	it cong		o.
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18.1   1.24	ŀ	36.2			Γ		2	Shiet	88 FG	Sc 800		Dupug		<b>8</b>	0 ×
18.1   Time   Temp.   Temp.   Hydro,   Corr.   Particle   +m	,   r	5 8			Γ			8	nhiệt độ		욯	kinh hat		*	일
19.1   Corr.   Inading   Coanneter   Corr.		38.1			Γ		Ę	Temp.	Temp	Hydrö.		Particle	Ę	Parts	Total
19.1	٠.	25.4			Γ		ullu u		CO77.	reading	reading	diameter	1	1	Į:
9.52         0.5         27         1.5         35.0         37.0         0.054         35.2           6.35         4.75         2         27         1.5         31.9         32.9         0.023         31.4           4.75         3.0         1.5         27         1.5         27         1.5         32.9         0.018         28.9         31.4           2.0         0.0         0.0         100.0         30         27         1.5         27.0         20.0         27.0         0.0075         25.5           1.19         0.0         0.0         100.0         30         27         1.5         27.0         2.0         0.0055         22.5           0.42         4.2         30.0         1.20         27         1.5         20.0         27.0         0.0029         20.5           0.42         4.3         10.3         39.7         1.5         20.0         27.0         0.0029         20.5           0.21         0.01         2.0         27         1.5         20.0         27.0         0.0029         20.5           0.21         0.21         0.00         27         1.5         20.0         27.0         0.0029	3/4	19.1						ပ္	Ε	àc	7 4 4 4	O (mm)	2		
6.35 6.35 6.36 6.37 6.38 6.37 6.38 6.37 6.38 6.37 6.38 6.39 6.30 6.30 6.30 6.30 6.30 6.30 6.30 6.30	3/8	9.52					0.5	27	1.5	89 99	37.0	800	8		e ;
4.75   4.75   4.5   4.75   4	N 3	-					2	22	1.5	31.9	83	0.023	31.4		
2.0 0.0 0.0 100.0 30 27 1.5 26.0 27.0 0.0075 25.5 1.19 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	ž	_					S	27	1.5	23.4	30.4	0.018	28.9		: الا
1.19	٦	Ę					15	22	1.5	27.0	28.0	0 0105			8
1.19	厚	ļ	0.0		0.0	100.0	ន	22	15	2 <u>6</u> 2	27.0	0.0075			Š
0.58   4.2   9.0   91.0   120   27   1.5   21.0   22.0   0.0029  20.5     0.59   10.3   89.7   10.3   89.7   1.5   20.0   21.0   0.0028  19.5     0.20   0.21   Example calculation   Example c	N°16	1					8	2	1.5	20	24.0	0.0055			9 5
0.59	2 2 2	ļ	4.2		90	9	2	2	2	2	220	0.0039			3 3
0.42   4.5   10.3 89.7	230	1					240	2	1.5	8 8	23	0.0028			5
12.4   12.4	.N.40	-	Ш		10.3										
12.4   12.4   17.5   12.4   17.5	N°50	1													١
0.15         5.8         12.4         87.6         Partial per, Finer         P 65 x 100 x R           0.11         8.2         17.5         82.4         Partial per, Finer         P 100 x R,           0.07         8.2         17.5         82.4         Partial per, Finer         P	N'70						Formal	يتلاسكاحي	ď		1		•	1	3
0.11	אַרָּאָי.				12.4		Partiat	per, Finer		8	또 의:	_	or nya	ometer	H.C.
10.07 8.2 17.5 82.4 Partial per. Finer P. 100 × R <sub>4</sub> Total per. Finer P <sub>1</sub> = 100 × R <sub>4</sub> Total per. Finer P <sub>1</sub> = 100 × R <sub>4</sub> W <sub>2</sub> = Total overdry Wt of sample used comfined analysis in grams  W <sub>4</sub> = Overdry Wt of sample on N° 10 or N° 200 sieve  Tested Computed Computed Computed BICH BICH BICH	₩°14	0.								3	ž	•			Ş
Tan Total per. Finer Pr. Pr. Pr. Pr. Pr. Pr. Pr. Pr. Mo. Mo. = Total overdry Wt of sample used conflined analysis in grams W.c. = Overdry Wt of sample on N° 10 or N° 200 sieve Tested Computed Computed	N*200	0.07	8.2		17.6		Partial	per. Finer		န္ငါ		<b>-</b>	or hydr	ometer	Ž
Total per, Finer Pr. Pr. X of Sample used conflined analysis in grams  W.s. = Total overdry Wt of sample used comfined analysis in grams  W.s. = Overdry Wt of sample on N° 10 or N° 200 sieve  Tested  Computed  HIEM	ا ا	۾					-247-247			ž					
Ws = Total overdry Wt of sample used comfined analysis in grams Wc = Overdry Wt of soil used for hydrometer analysis in grams Wt, = Overdry Wt of sample on N° 10 or N° 200 sieve Tested Computed HIEM	<u>‡</u>	ž					Total P	et, Finer	ď	×	≱ ≱	_			
Ws = Total overdry Wt of sample used comfined analysis in grams Wc = Overdry Wt of soil used for hydrometer analysis in grams Wt, = Overdry Wt of sample on N° 10 or N° 200 sieve Tested Computed HIEM	.⊆	0									*		١		
Wc = Overdry Wt of soil used for hydrometer analysis in grams W <sub>1</sub> = Overdry Wt of sample on N° 10 or N° 200 sieve Tested Computed AND HIEM	ği i	1	Total overda	y Wto	sample	o pasm a	xmfined	analysis	in grams						
verdry Wt of sample on N° 10 or N° 200 sieve Computed H1EN			Overdry Wt	of soil u	\$ px	r hydron	eter arx	aysis in c	grams						
Computed		×	Overdry Wt	of samp	8	re 10 ⇔	% 200	sleve							
HIBN		Tester				Compa	2		٠		Checked			•	
HIBN															
HIEN	÷		. •	٠.				•							
					٠.										

			}	1	\text{\frac{\x}{\x}}	[	7	TAN SALES WITH THE SALE BOY SALES	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	, V	<b>[-</b>	:		1
			בי		7	4		4 44						
			2 . <sup>3</sup>	•	Ű.	SINS	IZE AI	GRAIN SIZE ANALYSIS	S S	:	1			1.
					_	METH	(METHOD ASTM D422)	M D422)		-	• :			
Cano triob (Project)	ch (Pro	÷.	SONG:	38.4	COMBI	NEO HY	DONG MAI 3&4 COMBINED HYDROPOWER		Måe 56	Måu số (Test N°):		1002	٠:	1: .
T ON	An Oe	(E		-	:		1	٠.	Tỷ trọng	Tỳ trọng (Sp. Gravity)	ivity):		Š	
1,48	tho-uct	TL dat kno-uot phan tich (Wt of dry or wet soil)	At of day	Ş K	t soll) :		8		Ty trong	ké (Hydi	2	;	5	
06 âm (	tat uoti	00 âm dất ưới phân tích thành phần hạt	ilan phi	n hat		٠.	28.6 %		S High	Số hiệu chính mắt cong	٠.	5	<b>.</b>	
(Moistur	e conte	(Moisture content of soil for grain size) :	r grain si	:: (22)					(Menicu	(Menicus correction)	<u>F</u>		.	
		Phân tích sàng	Shrig		Γ				Phån tík	Phân tích tỷ trọng kể	3 K.		-	
		(Sieve analysis)	itysis)						E Agra	(Hydrometer analysis)	Y815)		1	
Tong T	Tổng TL, đất khô TN	N P				를 3	5 tich	The data who taken phan tich TT we < N° 10	> 9X		ε	8		
(Total V	(Total Wt sample)	(e)					8 8	(Wt of dry soil partical for hydrometer < N : U)	yarama marama	N V I	5		١,	
T. hat	tho tren	71, hat the trên sang Nº 4		-		3 3 1	no trich	rt, dat kno trich phan tich TT ke < N° 200	T Ke <		. (002			
(Wt of	coarse s	(Wt of coarse soil retained N° 4)	4			0 0	20103	(WT 01 dry 304t particul for hypothesis 15th					].	
ຮຶ	Co sang	با	A tren sano	Saro	_	יר ממני מיני				analysis		(		
(Sieve	(Sieve size)	trên sang	(% retained)	(pag		0 15 1A	אני אני פאלי פאלים אלה	CAT OF SMI (Mast tol hydronistic simples)	1	0.0	SS HC mat cong C.	t cond	ŀ	<u>ء</u>
Siewe			E E	ğ	,	Chienersing		ment ten		2	(Menicus	correction)		
	<u> </u>	remineo) q	Ţ	1	Messall	Ž	A PINA	S. FC	86,88	H 8			% hat <	1 < 0
5	20/			T	T		ę	nhiệt đô	Ě		King hat	ខ្ល	, s	% finer D
	200			T	T		Temp	Temp	Eydro.	Sorr.	Particle	Ę	Parita	Total
	36. 26.			T	T			, r	reading	reading	diameter			
1	٤					Γ	ပူ	ε	ά	R.A.4C.		æ	8	ě.
	8			Γ		2	22	1,5	32.0	33.0	0.055	34.5		7
2				Γ	Γ	~	2	1.5	26.0	27.0	0.029	28.5		5
× ×	+				Γ	'n	22	1.5	2.0	22.0	0.019	23.5		8
۵	–ા સ					15	27	1.5	2	28 80	0.0110			£ 3
01.aN.	2	0.0		0.0	100.0	30	1,2	1.5	3	မှု မ	0.00			: اء
Nº16	١.					8	27	1.5	3	=	0.0061	ŀ		٠,
N-20		4.4		9.4	90.6	120	22	1.5		ĝ.	0.0043	3		Ţ
N.30	0.59				1	240	27		ç	5	30.0			•
04.K		4.8		10.3	89.7									
Ş					Ι	Semula	formisa calculation	<u>ا</u>						
Š		88		12.6	87.4	Partial p	Partial per, Finer	<u>.</u>		4- L		for hydrometer 151H	ometer	151#
Σ ξ		L							Š	¥		: :		
-N.200	600	8.3		17.8	82.2	Partiul 5	Partial per. Finer	α.	<u>×</u> 8	ď	-	for hydrometer 152M	ometer	524
ľ	Ę.						3		₹				• • • • •	- "
ğ	Total Wt					Total 28	otal per, Finer	Å.	ς. κ	P, × W - W	-4	٠.		i N
Æ	0		L							*				
Note:	Ws.	Ws Total overdry Wt of sample used comfined analysis in grams	y Wt 0	ampk	e used a	pauline	analysis	in grams	7					
	WC.	Wc Overdry Wt of soil used for hydrometer analysis in grams	of Soil u	Sed to	г мубпол	eter ana	hsk in (	SWE						
. '4	* *	W Overdry Wt of sample on N° 10 or N° 200 sleve	of samp	8	100	N 200	<b>2</b>			Chacked	: .		` 	
				eum Z		 						÷		
	: :		; ;								:			
	3			١	MIEN	1	į			;		Ì	Ì	١
							1							

#### **DATA 4.1.2**

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.4 DAM

ATTERBERG LIMITS



Core with (Project): DONG NAL 1 &	A CHARINES LYNDOBOWED	OURICO OURICO	Måu a6 (Sample No)		TP 15-1		٠	
) } }			Ngay (Date) :		-3-92			_
			Người thủ (Tested by)	ested by) :	KUN	-	- :	
		Y.					-	
	Giới hạn cháy W.	** **				Gidi han déo W <sub>e</sub>	di han dao We Otsatie Smith	
The state of the s	(man min)	•	,	6	\[ \]	-	,	- <del>-</del>
(B) 56 /Can No.)			=	3	3	131	13.6	-
TL votos bi (W) of wel soif + can)			4401	10,60	12.30	21.12	23,00	
TIL MING CA DI (MI. of dry soil + can)			818	4.8	98,9	ار د د	হ্ম %	
NUGC (Wt. of water)								
Biniing (Wt. of can)			ž	¥0.₹	8C.9	6.90	*^^	
TL dift who PMT. of dry soll)						-   		
Do Im (Moisture content) %			81.6	구선.가	27.5	45.5	e t t	
S6 life anip (No. of blow)			Ŧ	17	3	Trung binh (Awerage)	(Average)	
				•		5.4	5-	
Thù lần thứ (Time No.)	1 2							
B) so (Can No.)								ang Ang
The vot ca to (Mt. of wet soil + can)		£8	-					
TL KNO CA DI (WI. Of dry soil + can)					-			
NUCC (W): of water)								:
B) ning (W. of can)			1					
TL GET KND (WT. 01 077 304)		- -						
50 ilm (Moisture content) %								
The tien dat vot (Volum of wet soil)		1		7				
The lich det kno (Volum of dry soil)		<u></u>	-  -	1				
Lugng co (Shrinkage)		<u>}</u>	-  -	-  -  -				
Tỳ số (Ratio)		<u> </u>		-	/			
Lugng to trung binh (Average shinkage)		  -						1
The tien thay dôi (Volume change)					-	Z		:
Ty số co (Shinkaga ratio) R = Vol. dry								
Gidi han co (Shrinkage Ikmil)		],	5 4 5	1 2 3 4 8	n N	35 35	\$ 58	
R-% Molet. Vol. Wet. Volt. Dry x 100		· · · · ·						
Tóm tái két quá		× 3	Xép hạng đất	ا				
	ii—; 0	000	CHESTICATION					
Moisture content Chây	Grounan ( <i>Limit)</i>	Chì aó déo	<b>9</b> €90	Gid! han co	8	Ty ad co	8	
natural (Liquid)	(Limit plastic)	(Liquidity index)	' index)	(Shrinkage limit)	(imit)	(Shrinkage ratio)	(outer	
3.86	₽ ₽	33.6	3					:
Tinh bởi (Calculated by)		7	Kidm bởi (Chacked by)	ecked by)				
						l		

#### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

	Cong trinh (Project) :	DONG NAI 3 & 4 COMBINED HYDROPOWER	COMBINE	D HYDRO	POWER	Miles of (Sample No)	: (oN aldmi	4	TP10-2	
	Mo th (Description):			•	• •	Ngby (Date):		26.	26- 6-99	
						Người thủ (Tesied by)	Tested by) :		HONE	
		1.5	:							
			A IOIR	Gidi han chây W <sub>L</sub> (Llouid limit)	* .				Gid! hen (Plass)	Gidt han déo W., (Plastic limit)
	Thủ lên thứ (Tìme No.)					8	6	4	-	2
100	Bi số (Can No.)				38		0+		132 132	425
	To use ca by (Mit. of wet soil + can)	304 + CAN)			4.55	4,38	44,63-		15.52	35 32
	TL Kno cà bì (Wr. of dry soil + can)	30il + can)		· · ·	5,30	4.64	4.24		12,26	*
	Nude (Mt. of water)				2.25	2,14	2.32		3.26	3. to
	Binting (Mt. of can)				2.22	14.44	2.76		6.51	S.#
	T. CAR KHO (Mr. of dry soil)	(Inc			3.8	3.45	2,53		8.75	6.40
	Dộ ấm (Moisture content) %	* 5		:	63.8	20	75.99		37.2	ž
	Số tần nhịp (No. of blow)	,			14	42	3.5		Trung binh (Avarage)	(Average
	· .								37,0	Q
	Thủ lần thứ (Time No.)		-	2	2					111111111111111111111111111111111111111
	B) 86 (Can No.)					_				
	The votice by (Mt. of wet soil + can)	soil - can)								
	To lobe ca bi (W), of dry soil + can)	soil + can)								
	NUGG (Wt. of water)				53	<u> </u>				
	8) ning (Wr. of can)	٠				1		1		
	T. Gất Khô (W. o' đry soil)	, ()ic			1	†				
	Do 4m (Moisture contant) %	* 0			<u> </u>		1	7		
	The tich dat vot (Volum of wer sail)	of wet soil)			13	-   -				
	The sich dat kho (Volum of dry soil)	of dry soil)			1	-  -	-			
	Luding co (Shrinkaga)	-				+-	  -			
	Ty a6 (Ratio)					;-	1	<u> -</u>  -  -		
	Lugng co trung binh (Average shrinkage)	erage shrinkage)			<u>z</u>	<u>†                                    </u>				
	The Ich thay doi (Volume change)	e change)			1.	-				
	Tỳ số co (Shrinkage ratio) R =	% R - Dry Wt			Ш					
	Gidt han co (Shrinkage imit)  Not. Wet. Volt. Do; x 100  R = % Moint. Dry. Wet	volt. Dry x 100			) = }	12 13 14 15	92 20	ĸ	& સ 4	40 45 50
	Tom the ket qui				× nos)	Xép hang dát (Soli classification)	2			
	Do Am thien nhien	Gidt han (Umit)	(Limit)							
	Moisture content	Chèy S	8	Ŷ	Chì số dèo	2000	Gid! han co	05 44	ين دو ده	8
	natural	(Uouid)	(Limit plastic)	destic)	(Liquidity Index)	) Index)	(Shrinkage hmil)	(jiwii)	(OUR) SOMMUNIC)	(A)
				,	İ	,				

			(a) (b) (1)			٠.	
Mo ta (Description):			Ngay (Care)	•			
			Người thờ (Tested by)	fested by) :			:
±	Gidt han chây W.	3				Gidt han deb Wa (Plastic finit)	deo W.
The idea that Alima No. 1	200	-	2	60	4	-	2
B) + 6 (C** No.)		Ş	2	Š		(0)	801
The unit of by Of well solf + Can)		13.43	15.39	13.51		1850	\$1.18
TL KHO CÀ DI (WI, Of dry soil + Can)		\$3.0	(2.27)	10.01		čŧ	5.00
NUGE (Wt. of water)							
Binang (Mr. of can)		28.2	8.33	3		26.2	8
T. dái khô (Wì. of dry soil)							
Do Am /Mo/sture content %		876	206	69.0		¥0.6	405
Số liện nhịp (No. of blow)		ינ	2	. 76	i	Trung binn (Average)	(Average)
						¥	よっさ
Thủ lần thư (Time No.)	1 2					THE ITTER	
B) 36 (Can No.)		1	1		-		
TL UGICA DI (W. of wel soil + can)		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1				
Tr kno ca bi (Wi, of dry soil + can)			1				
NUGC (WI, of water)		1					
Binang (W. of can)		1	-				
T. GALLKING (WI. Of dry soil)	•	<u></u>	1				
Do &m (Moisture content) %		1		2			
The tich det wat (Volum of wet soil)			1				
The lien dat kno (Volum of dry soil)			-				
udng co (Shrinkage)	-	٩	ļ. 				
Tỳ số (Ratto)			<del> </del>	 	2		
Lugng co Irung binh (Average shrinkage)		<u>l</u> _					
The tich thay dot (Volume change)		Ļ	-				
Dry Wt					=		
Ap. lov							
Gidi hen co (Shrinkage Kmit)		Ļ	22 13 14 65	82	ĸ	5 8	\$ \$
R-% Moist Vol. Wet. Volt. Dry x 100							
Town lativel cost		×	Xép hang dát				
(Summer result)		(Sol	(Soil classification)	(u			
_	Umit)	Chī ad deo	040	Giới hạn co	8	TV 85 00	8
Moisture content	(Limit clastic)	(Liquidity Index)	'index'	(Shrinkage Amir)	e Menit)	(Shrinkage ratio)	Ce catio)
Section 18 Common 18 Commo	7 47	6					
34	į	`	`				

### GIỚI HẠN ATTERBERG ATTERSERG LIMIT TEST

DONG NAI 3 & 4 COMBINED MYDROPOWER Naive of (Sample No) : TP 2 D-2 Node (Date)  Nod										
Aguel th 7 (Fasted by):  ALOUG time)			ONG NAL 3 & 4 (	COMBINED HYDROR	OWER	Máu só (Sa	mple No): 7	200	<b>\1</b>	٠
Nguéi th' (Tested by)	٠.	Mo ta (Description):			, ,	Ngby (Date)				
Coord fame   1   2   3   4   4   4   4   4   4   4   4   4						Note that	Tested by) :			
(Loord Inin)  1 2 3 3 4  32 33 34  41,73 11,73 11,77 14,574  2,19 5,38 6,64  2,18 60,3 5,90  (2,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (3,18 5,38 6,64  (1,18 5,38 6,64	٠.									101.011
1 2 3 3 4 4 5 5 5 6 6 6 4 5 5 5 6 6 6 4 5 5 5 6 6 6 4 5 6 6 6 6		St. State of the s		Gidi han chây Aiond limit	*			:	(Plastic limit)	av oeb
4.1.7.3. (1.7.7) 4.8.27.  4.18. 9.3.7 (0.3.5)  6.3. 8. 6.0.4 5.9.6 6.0.4  1.5. 2.1 31.  6.1 1.2 2.1 31.  (6.1 2.1 2.1 31.  (7.2 2.1 31.  (8.1 1.5 2.0 3.1 1.5 20.  (1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Thủ tên thư (Time No.)			F	8	3	4	+	7
1 2 (C.2)4 (C.2) (C.3)5 (C.4)6 (C.4) (C.3)6 (C.4)6	. ,	Bi ad (Can No.)			27	33	¥		8	ý
(1) (2) (4) (5) (4) (5) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7		The unit ca bi (M), of wet se	oi + can)		41.22	(4.22	4254		70 br	12.97
(4.2 (60.2 Eq.0)  (4.2 (60.2 Eq.0)  (4.2 21 31  (4.2 21 31  (4.2 21 31  (4.2 21 31  (5.0 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)		To kho ch bi (Wi. of dry s.	out + can)		a, HS	9.37	10,35		(2.2)	2844
(4.2 (4.3 59.0 5.38 6.64 1.2 59.0 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1		NUCC (W), of water)								1
(Limit)  (Limit)  (Limit)  (Lowelly Index)  (Lowelly Index)  (Lowelly Index)  (Soil classification)  (Lowelly Index)  (Soil classification)  (Lowelly Index)  (Soil han co  (Lowelly Index)		B) nang (W). of can)	٠.		ない。	5.33	ţ,		803	6.5
(Limit)  (Limit)  (Limit)  (Limit)  (Limit)  (Soli classification)  (Liniti)  (Soli classification)  (Liniti)  (Soli classification)  (Liniti)  (Soli classification)  (Liniti)  (Soli classification)	1	ת מענונים (איו מל מיץ שם!		-					1	1
1 2   31   31   31   31   31   31   31		Oo am (Moisture content)	*		2.2	3	٥ <u>.</u>		3.i.k	Ž.
1   2		S6 In only (No. of blow)			254	7	Ŕ	i	Torns	inh (Average) NC.7
1   2										
(12 (3 14.15 20 75 30 (2.10 then 9 dit (2.10 then 9 dit))  (20	:	Thứ tần thủ (Time No.)		1 2		-				
(1, 12 (3, 14, 15 20 75 30 (2, 14, 15 20 75 30 (2, 14, 15 20 75 30 (2, 14, 15 20 75 30 (2, 14, 15 20 75 30 (2, 14, 15 20 75 30 (2, 14, 14, 14, 15))  (2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,		8) BG (Can No.)								
(1,2 (3,14.45 20 75 30 (2,14.1		The votical bi (Wr. of wer so	off = can)		1					
(12 (3 14.15 20 75 30 (2.14 16 10 10 10 10 10 10 10 10 10 10 10 10 10		TL icho cià bi (Mi. of dry si	(ueo + Ho		1					
(Limit)  (Limit)  (Limit)  (Sali classification)  (Limit plestic)  (Lioudity Index)  (Shrinkage limit)  35.7  2.3.4  Kulm bits (Checked by)		NUGE (W): of water)			<u> </u>					
(Limit)  (Soil classification)  (Limit plestic)  (Loudily Index)  (Soil classification)  (Loudily Index)  (Soil than collisting the collistin		Binding (Wr. of can)			3					
(Limit)  (Solid classification)		TL GER KHO (WT. Of dry SOI)								
(1,2mil) (2,0) (1,2mil) (2,0) (1,2mil) (2,0) (1,2mil) (2,0) (1,2mil) (2,0) (1,2mil) (2,0) (2,0) (3,0) (3,0) (3,0) (4,0) (4,0) (5,0) (4,0) (5,0) (5,0) (5,0) (6,0)		00 &m (Moisture content)	*		<u></u>					
S   S   S   S   S   S   S   S   S   S		The tien dift wat (Youlum o	( wet soil)			+				
X4p hang GKt   X4p hang GKt   X5p  hang GKt   X5p		The tien dat kno (Yolum o	of dry soil)		\$	<u> </u>				
X4p hang GKt   X4p hang GKt   X5p		Luding co (Shrinkage)						7		
		Tỳ số (Retlo)			<u> </u> 			/		
an (Limit)  (1 CN 86 Aso Gull han co (Limit plestic) (Shrinwape limit)  35.7 29.9.9		Lugng co trung binh (Ava.	rege shrinkege)							
(Limit plasts) (Loudily Index) (Shrinkage filmit) (Limit plasts) (Chorlest Ob)		The tich thay do! (Volume	change)		-53				Z	
		TV s6 co (Shrinkage ratio)	-			<del>                                     </del>				
(1   12   (3   14   15   20   75   30   75   30   75   30   30   30   30   30   30   30   3						- 1			<b>]</b>	
an (Limit) (Soil classification) an (Limit) Odo Chi ad ddo Guid han co (Limit plastic) (Lookilly index) (Shrinkago limit) 35.7 2.34	. "	Gidi han co <i>(Shinkage li</i> n Vol. Wet.V	nit) /ot.Dry		*			ĸ	3	} }
Cold han (Limit) Cold han (Limit) Cold Chast Carlo Carlo Carlo Carlo han co (Louis) (Louis) (Limit pesit)	, '	N. WORL	Vet .							
Gidi han (Limit) Chiad dao Gidi han co (Louid) (Limit piestic) (Louidity Index) (Shrinkego limit) Sq.C 35.7 2.3.9		Tom tåt két qua			× 8	ép hang dát I classlíkcatio	<b>E</b>			
Chây Gèo Chi số đềo Giới han co (Licuid) (Christago linii) (Licuid) (Limit piesic) (Lovidiiy Index) (Shristago linii) Sq. G 35.7 2.3-9 Kiểm bài (Checied by)	1	Do am thien nhien	Gldihe	n (Chmit)			İ			
59.6 35.7 23.		Moisture content		Colo (Limit plastic)	(Loud)	6 dão y Index)	(Shrinke)	an co ce limit)	(Shrinkage ratio)	ge ratio)
			39.6	35.7	23.	4				
		The second second second second				Kiden böi (C	hecked by)			

Cong trinh (Project):	DONG NAI 3 & 4 COMBINED HYDROPOWER	ORBINED HYDROP	OWER	MAUSO (SW	Mau só (Sample No) : 1 T 5 U-1	2			
Mo ta (Description)				Nghy (Date) :					
				Người thử (Tested by)	ested by)				
		Gidi han chây W <sub>1</sub>	ž	- -			Gidi han déo We (Plastic limit)	deo We	
Thy Ide thy (Time No.)			-	2	6	4	-	2	
B) and (Care No.)			<u> </u>	<u>14</u>	ñ		<b>Ş</b> ₹	345	
TL UCI CA DI (MT. 01 Wel 504 + Cen)	I soll + can)		37.41	803	12,31		36 95	24.98	
TL KHO CA DI (WY. Of dry SOII + CAN)	y soil + cen)		41,23	926	9.48		P8.27	\$5.55	
NUGC (MT. of water)									1.
Binding (Wf. of can)	-		8.o>	5.92	6.56		r.	Š	
TL dift kho (W). of dry soil)	soii)					7			
Do &m (Noisture content) %	* in		69.7	4.	1.30		10.4 10.4 10.4 10.4 10.4 10.4 10.4 10.4	1	ă.
S& 14n nhip (No. of blow)	•		<b>~</b>	¥	š	-	£	F3.3	
		,							
The large (I me No.)		,	L						
Construction of wat some to	( com + com)								
2 /	(400)								· 7.
TE KING CA DI (FF), OF OF SUM	1100	+							
NUOC (WT. Or Warer)			<u></u>		/				
Binang (Wit, of can)					<b>7</b>				- 3
TL CALIKNO (MT. OF GAY 304)	gon)		L		_				
50 &m (Moisture content) %	* (10					Z			
The tich cat uct (Volum of wet soil)	n of wet soil		6.9			7			
The tich dat kho (Volum of dry sail)	m of dry soil)		<u> </u>	-					
Lugng co (Shrinkage)							/		
Ty so (Ratio)			<u> </u>				<b>∕</b> :		
Ludng co trung blah (Average shrinkage)	(verage shrinkage)		5						
The tich thay 66: (Volume change)	me change)		L						
Tý số co (Shrinkage ratio) A	100 A - 000 WI								 
Gidl han co (Shinkage limil)			].	13 44 65	8 8	×	88	\$ 8 8	
R = 7, Molet. Vol. Wet. Volt. Dry x 100	1. Volt. Dry x 100		: '			٠.			
60	Dry.Wet			VAC hand day					
Tom this ket que		:	( 38)	(Soil classification)	("				
E∳ £m thiên chiên	פוסו שפט (לישינו)	(Limit)	1	24,440	Glet han co		17. 36 CO	8	
Modellune content	(Liquid)	(Limit plastic)	(Liquidit)	(Liquidity Index)	(Shrinkage limit)	s fimit)	(Shrinkage ratio)	e ratio)	٠.
	3	143.6	3	%. %.					٠.
Tinh hall (Calculated DV)				Kish bði (Checked by)	hecked by)				. '
									•

#### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

				!				
Cong with (Project):	DONG NAI 3 & 4	CONG NAI 3 & 4 COMBINED HYDROPOWER	YOWER .	Måu oб (Se	Måu od (Semple No) : TP 3 D	2-06-0		
		:		Noby (Date)				
Mo ta (Description) :				Noute the Classed by	Tosted DV) :			
								:
		Gid! han chay W.	×				GIGI han déo We	deo We
		(Liquid limit)					(Plastic limit)	(hend)
Thu life thu (Time No.)			-	2	3	4	~-	7
B) ad /Can No.)			3	3	5		101	101
The unit cab of MY. of wet soil + Can)	of Soil + Can)		3621	19.61	<u>بر</u> د		20.96	ā. Ā
The that can be (W.) of dry soil + can)	y soil + can)		7,07	\$ <del></del>	OHOY		16.95	55.5
NAGE (W. of water)								
Binang (W7. of can)			293	2.86	6.74		***	88.4
Th. dift kho (W), of dry Soil)	soil							!
Do fm (Moisture content)	* (104		63.7	62.1	60.4		なな	2
SK 160 ONIO (NO. Of DIOW)	3		ېږ	\$	54		Trung blinh (Average)	(Average)
							37	
Thù lần thử (Time No.)		1 2						111111111111111111111111111111111111111
B) 86 (Can No.)				-				
To udt ch bi (Wf. of wet soil + can)	st soil + can)							
TL KNO CA DI (WY. of dry soil + can)	y soil + can)			+	. ,	-		
NUGG (Mr. of Walar)			1	1	1	+		
B) nang (Wt. of can)				1				
TL dist kno (WT, of dry soil)	2011)		3	-	/	Ţ.		
Do Am (Moisture content) %	* () *		L	-				
The tich dat wor (Volum of wet soil)	n of wet soil)		<u></u>	+	-			
The uch dat kno (Volum of dry soil)	m of dry solf		<u> </u>			7.		
Lugus co (Shrinkage)			<u> </u>	-				
Tý số (Ratio)	:		L	<del> </del>  -				
Luqng co trung binh (Average shrinkage)	4verage shrinkage)		L					
The sich thay do! (Yotume change)	ime change)		<u> </u>					
Ty s6 co (Shrinkage ratio) R =	nio) R = Ory Wt		<u>                                     </u>				,	
Giothee co /Shrickece limit			],	- t	Š Š	ĸ	30 33	8 8 8
Vol.Wet. Volt. Dry	t. Voft. Dry		=			١,.		,
R WOLL -	Dry.wet					ļ		
Tom tat kelt qua				Xép hang dét (Soil clessification)	, (w			
(Summary resum)	(i) mi // 4 m // (ii)	(A)						
Do am thien named	24.CD	) ()	5	Chi ad dèo	500	Gldi hen co	ř	Tỳ số co
Caluen	(Liquid)	(Umit plestic)	(Liquid	(Liquidity Index)	(Shrinks	(Shrinkage limit)	(Shrinkage ratio)	o ratio)
	62.0	37.2	8 43	≈				
Wine to be 100 new states of the	,			Kidm bå! ((	Kidm bål (Checked by)			

Cong trun (Project): DONG NAI 3 & A COMBINED HYDROPOWER	COMBINED HYDROS		Mauso (San	Malu so (Sample No) : TP 4-D-	D#0			
		. •	Ngây (Dale) :					
			Người thờ (Tested by)	ested by) :				• • •
	Gidi han cháy W <sub>t</sub>	3				Gidi han	Got han déo We	
	(Liquid Mmit)					(Plest	(Plastic limit)	
Thứ tần thự (Time No.)		•	2	6	4	-	2	
B) as (Can No.)		ŧ	计	¥6		چَ ک	ş	
The order of the soil + can)		12.08	41.90	14.50		ئ د د	ž S	
The kno ca bi (Mr. of dry soul + can)		404.0	43.9	41.73		45.39	3	
NUGC (W), of water)								 
Bining (W. of can)		5,63	25.5	282		20.9	6.30	:
TL dit khe (W. of dry soli)						,  -		
Do 6m (Moisture content) %		73.9	71.3	70%		اع	v T	٠.
Sé in nhip (No. of Dow)		۲٥	3	36	!	Trung Dinn	Trung binh (Average)	
						±	? ‡	
Thủ lần thủ (Time No.)	1 2							. S.
Bl a6 (Can No.)								
TL UCI CA DI (WI, Of wel sout + can)		**	1	- - - -				
Tr. kno ca bi (Mr. of dry soil + can)		1		7	-			
NUGC (M), Of water)			1		-			
Binang (W. of can)		<u> </u>	†					
The detund (W. of dry soil)		13						
Do &m (Mosture content) %		<u>l</u>			/			
The ten dat vot (Volum of wet solf)								
THE LICH CALL KING (VOLUM OF CITY SOIL)			-					
Luding co (Shrinkage)		<u> </u>	-					÷.
Tỳ số (Ratio)		<u> </u>	-					
Lugng co trung binh (Average shrinkage)		<u> </u>	-					
The lich thay do! (Volume change)								
Dry Wt		 				7		
Ty as so (Shinkage ratio) R - Vol. dry	# : :	L	-					
Giới hạn co (Shrinkage limit)		_	12 13 14 65	5 20	ĸ	85 85	<b>6</b> 58	
R=% Moist, Vol. Wet. Volt. Dry x 100								
Town the total could		×	Xép hang dát					
Character of the County		(Sol	(Soil classification)	5				
	Gidl han (Limit)	46,000		Giði han co	8	ŕ	Ty a6 co	2
Moisture conton! Chây	() imit clastic)	(Liquidili)	(Liquidity Index)	(Shrinkage limit)	re limit)	(Shrinka	(Shrinkage ratio)	 

### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

Mo ta (Description)			11	Ngby (Date):	:			
_								
				Người thủ (Testad by)	ested by) :			
							Gid! han dao We	OSO W
		Gidi nan chay w.	· .				(Plastic limit)	(jumit)
This ide But (Time No.)	ne No.)		-	~	3	4	-	~
(a) = (Can No.)			80	081	23		96	6
(A) (4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 1 (24) of well stall + Catt)		12.16	24.E1	85.31		19.66	3.7.
20 M	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		はせず	(0.73	40.00		15.145	<b>3</b> 
Niche (Mr. of water)	ated							
Broken (W. of card)	can		ŝ	6.83	12.2		3	6.9 7
TI GENTHO (W. of dry soil)	of dry soil)							į -
So de Moisture content? To	e content! %		7.57	2.00	68.1		3	ì
56 life phip (No. of blow)	of (200m)		ž	97	31	!	Trung binh (Average)	(Averag
							(- <del>1</del> -1	۲
Thủ tần thủ (Time No.)	ne No.1	1 2	 	-	11.11.11	1, 1, 1		
8) s6 (Can No.)				-				
T. VOT CA DE (W)	TL vot ca bi (W). of wel soil + can)			-				
Tr. Khô cá bì (W	The kho can be (W), of dry soil + can)	<u>_</u> .						
N. che 107 of water)	(404)	: 						
B) name (Wr. of can)	(683)	-		4				1
A 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of des each							
Tr. dat xno (mi. oi oi) son,	or ory som							
Oo am (Moisture content)	e contens) 7e				_			
The lich dal unit	The uch dal uch (Volum of wer soll)	-						
The tich defitted	The tich del timb (Votum of dry soll)			-		/		
Luding co (Shrinkage)	(adea)							
Ty s6 (Ratio)			<u> </u>	 	!			
Lugng co trung	Ludng co trung binh (Avarage shrinkaga)		L	-				
The Uch they do	The Uch thay 66! (Yolume change)			-		-		
Ty so co (Shimkage ratio) R =	tage ratio) R = Vol. dry		<u> </u>	<u> </u>				
Cici hen co (Shrinkage limit)			]_	2 44 65	55 20	ĸ	30 35	45 55
V . 3.860lst . P	R. % Molet. Vol. Wet, Volt. Dry x 100							
	Dry.Wet		ľ	,				
Tom the ket qua	₩nt		×§	Xep heng dat (Soil classification)	Ē			
(Summary result)		10 Inn.(9)						
Do &m thien nhien Moisture content	ชื่	Gidi nan (Limii) y Dao	5	Chi só dèo	Gidi hen co	9	19.8	Tý só co
natural		(Limit plastic)	(Liquidity index)	/ index)	(Shriokage limit)	() Italii ()	(Sounded age	2
	1.69	15.7	\$6.F	±				
_				ļ				١

							Ì		
Cong winh (Project):	DONG NAI 3 & 4 COMBINED HYDROPOWER	OMBINED HYDROP	OWER	Måu ső (Sa	Māu số (Semple No) :	TPSD	7-0	-	
Mo ta (Description)				Ngay (Date) ;					
				. Người thử (Tested by)	Tested by) :	Xex	<b>L</b>		
		Gidi han chay W.	×				Giới hạn	Giới hạn đảo W <sub>P</sub>	٠
		(Tuquid limit)					(Plash	(Plastic ilmit)	
Thủ tần thứ (Time No.)	7		-	2	3	4	1	2	٠.
B136 (Can No.)			20	<b>{9</b>	43		447	48	
TL UOICE OF (W. of wet soil	ef soil + can)		14.74	43.80	13.34		13.65	17.52	:
TL KNO CA DI (WI. of dry soil + Can)	by soif + can)		10.80	16.21	35.95	ļ	5.2	43.50	
NUGG (MT. OF Water)			3.43	3.14	3.43				
B) numb (M), of can)			6.30	5,30	X		6.5	5.46	
T. מנו אים (איז. סל טיץ מסוו)	r soil)		15						2
Do &m (Moisture content) %	went) *		77.3	25.8	74.35		43.7	42.4	
S6 Mn nhip (No. of blow)	(ma)		#	97	አ	!	Trung binh (Average)	(Average)	
						!	43.0	0	
Thù Ma thù (Time No.)	7	- 2	,						
0) số (Can No.)									
TL UOI CA DI (MT, of wet soif + can)	et soif + can)								
The hate cal by (M), of dry soil + can)	'y soul + can)				4				
NUGC (WT. Of Water)				_					
B) nặng (W?, o' can)					1			Ī	
Tr. dái khô (Wì. of dry soil)	(ion)		_			 			
Do fim (Moisture content) %	* two			  -  -		1		Ī	
The tich offt uct (Volum of wet soil)	m of wet soil)		7			1		Ī	
The tich dat kho (Volum of dry soil)	m of dry soil)		]	- - -		1			
Ludng co (Shrinkage)			1	1				Ī	
TV s6 (Ratio)			_	+		-	1		
Lugng co trung binh (Average shrinkage)	Average shrinkage)		13	1					- ' -
The tich they do! (Volume change)	ume change)			-			Ž		
Ty a6 co (Shrinkage ratio) R =									
	Vol. dry				∄				
Gidt han co (Shrinkaga limit)	e limit)		=	12 13 14 15	\$ 5	ĸ	8 8	\$ 8	
R - 7 Moist Dry . Wet	Dry.Wet								
Tom the ket qua			×	Xép nạng dái			.*		: .
(Summary result)			(20	(Soll classification)	(ķ			T	
Co fin thien shien	Chay	(Camit)	Chis	Chi só dèo	Gidi han co	00 00	¥ &±	79 86 00	
natural	(Liquid)	(Limit plansic)	(Liquidity index)	y index)	(Sninkage limit)	o mm)	(Shrinkage ratio)	o ratio)	
	76.0	43.0	33.0	9					
Tinn bdi (Cakulated by)	Z			Kism båi (Checked by)	hecked by)				

#### GIÓI HAN ATTERBERG ATTERBERG LIMIT TEST

Mo & (Description):				Ngày (Date) : Người thủ (Tesied by)	) : Tested <i>Dy)</i> :	3 9	7	
		s.						
		Giới hạn chây W <sub>e</sub>	<b>.</b>	-			Gidi han déo W <sub>e</sub>	deo W.
Thù lần thủ (Time No.)	3		-	8	က	4	i	~
BI 86 (Can No.)			\$	175	478		Ŕ	ζŞ
T. udt cå bi (Wr. of wet soll + can)	ret soil + can)		44.63	14.42	45.82		£4.43	18 78
Tt. Icho cá bì (Wr. of dry soil + can)	iry soil + can)		4.05	40.87	17.06		£ {2,	33
NUGC (Mt. of water)			3.88					`
B) nuting (Wt. of carr)			21.9	6.44	+ 04		5.36	583
T. dift kho (Mt. of dry soil)	( soil)				_			\
Oo &m (Noisture content) %	lent) %		8.87	377	972		44.0	43.8
Số tần nhịp (No. of blow)	(and		15	32	38.	<u></u>	Trung binh (Average	(Average
							43.9	6
Thự tần thự (Time No.)	7	- 2	  -  -					
BI & (Can No.)								
T. UST C& DI (WY. Of WR! SOI! + CBN)	. (uso + cau)							
TL kno cå bi (Wt. of dry 30il + can)	iny soil + can)				7			
NUGC (W), of water)					4			
BI ning (M). of can)			1	1				
T. GELKING (WY. Of dry SOII)	soil)			-		1		
56 £m (Moisture content) %	ong %			-		7		
This tich dat uct (Votum of wet soil)	m of wet soil)		14					
The tich dat this (Volum of dry soll)	m of dry solf)			<u> </u>				
Ludng co (Shrinkage)			<u> </u>	<del> </del>			Z	
Ty s6 (Figito)			<u> </u>	<del> </del>				1
Lugng co Irung binh (Average shrinkage)	Average shrinkage)		<u></u>			-		
The lich they do! (Yolume change)	Ime change)			<u> </u>		-		
Tỳ số co (Shrinkage ratio) R =	alloj R = Dry Wt		L	<del>   </del> 				
Giði hen co <i>(Shrinkage limil)</i>	5		ار ا*	13 14 4	\$ 20	×	30 88	8 8
R=%Most. Vol.Wer.Volt.Dry x 100	Wet. Volt. Dry x 100 Dry. Wet					*.		
Tom talket qua			ioS)	Xép hang dát (Soil classification)				
Do 6m this nhien	Gidi han (Limit)	(Limit)					ì	:
Moisture confent	Chay	ŝ	Chisó dão	0	Giới hản co	: ق	Ty 30 CO	8
naturaf	(Liquid)	(Umit plastic)	(Liquidity index)	indax)	(Shrinkage limit)	timit (	(Shrinkage ratio)	(airc)
	77.5	43.9	33.6					

- 479 -

- 649 -

Mô tả (Description):		ار در در  Ngây (Date) : Người thờ (Tested by)	: (AC pa)			:	
		1	Neve the	ested by)			
				:			
	Giði han chây W <sub>L</sub>	<b>3</b>	1		5	Gidi han deo w <sub>e</sub> (Plastic Imit)	
The Idea the Clame No.3		-	2	6	4	2	
Bl s6 (Can No.)		787	483	<u>o</u>	181	136	
TL JOST CA DI (M. of wet soil + can)		13.94	42.03	16,14	78.C	٠	
TL KNO CA DI (WT. Of dry SOH + Can)		40,0	452	9.58	98.41	36 15.17	
NUGC (W. of water)				_	_	-1	
B) ning (W), of cam)		おる	46.3	6.02	609	<u>`</u>	
TL office (M. of dry soil)					-		
Do 4m (Moisture content) %		71.1	70.1	69.3	23	ر بر	
Số lần nhịp (No. of blow)		يا	44	*	Trung	۽ ج	
							_
Thủ tần thủ (Time No.)							1
B) so (Can No.)			-				1
The votes bi (Wt of wet soil + can)			-				
				-			
TL KHO CA DI (W. OI OIY 301 + CAN)	-						
NUGC (W. of water)		<u></u>	'				
8) nang (Wt. of can)	•	 =	1				
TL dat kno (Wt. of dry soil)		1					. :
Oo fin (Moisture content) %		1	+	/			3
The lich dat vot (Volum of wet soil)		1	1	2			
The Hen dat kho (Volum of dry soil)		\$	+	1			i.
Luding co (Shrinkage)					1		, i
Tỳ aố (Ratio)				1	7		100
Luding to trung binin (Average shrinkage)							
The lich thay do (Volume change)		63					
TV ac co (Strinkace ratio) R = Dry Wt							· .
Vol. dvy		_					
Glot han co (Shinkage limit)  Vol. Wet. Volt Ory x 100		]_	5) 45 63 24	2 20	e e e	85 68 88	
Dry.Wet		,	Yan hann da				
Tom tilt ket quå	h	(Soil	(Soil classification)	,			.1 
Chair and the Chair	(Limit)						
5	å	Chi ad déo	000	Giời hạn co	; .	Ty 56 co	·
	(Limit plastic)	(Liquidity index)	index)	(Shrinkage lamit)	-	(Shrinkage rate)	
6.69	ξ.	3.0					

### GIÓI HAN ATTERBERG ATTERBERG LIMIT TEST

-	Cong trinh (Project): DONG N	DONG NAI 3 & 4 COMBINED HYDROPOWER	VED HYDRO	SQMG.	May and (Sa	Make and (Sample No): TP 6 D-		~	
					Ngdy (Date) :	~	٠.		
	houdingson a ow				Novel the Gested DV	Tested by:			
. 7						· //			
								W Cab Ban Cab	W. calo
		9	Gids han chay w <sub>e</sub>					(Plastic limit)	: timit)
-	They like that Chine No. 1			*	~	8	¥		2
	Blue (Can No.)			120	151	20		20	60
,	In uffice b) (Wt. of wet soil + can)			75.1K	41,88	41.69		1939	÷1.87
	TL KNO CA DI (WI. of dry soil + Can)	-		8:20	φ.	4.23		a A	\$ . 50 × .
	Nude (Wt. of water)	-							
	Bi nang (Wi. of can)			5.19	6.43	6.02		6.92	¥
	The delivery (WT of dry soul)							7	
	Do fin (Noisture content) %		:	718	አ የ	22.8		ų Ž	ž
٠.	So the onio (No. of Dow)			5	4	3		Trung binh (Average)	(Average)
								3	3.55
	The State But Time May	-	~						
-	Constitution of the consti			Ļ	-		1:1		
	Bi so (Can No.)	1							
	The votice by (Wt. of wor soil + Can)					1			
	To kho ca bi (Wt. of dry soil + can)	- -				1			
	NUCC (M), of water)	-		1		1			
	Bining (Mt. of can)			$\perp$					
	The distrib (WY, of dry soil)			٥					
	Do &m (Moisture content) %		_ _	1					
	The tich dist uch (Yolum of wet soil)			1	1				
	The ten edition (Votum of dry soil)	- F			<u>†</u>		2		
	Lugng co (Shrinkape)			62					
	Tý a6 (Ratio)			<u> </u>					
	Ludng od trung birh (Average shrinkage)	nnkago)		L					
	The tich they do! (Volume change)			Ļ					
		Dry Wt						Ž	
	Ty ac co (Shinkege ratio) R = V	Vol. dry		L					
	Giol han co (Shrinkage limit)			] *	tz +3 +4 tS	3	K	30 35	45 45 50
	Vol.Wet.Volt.Dry x100	*100							
	Dry.Wet								
-	Tom låt ket quå			× č	X6p hang dat Soli classification	š			
	(Summary result)								
	Dộ lim thiên nhiên	iði hen (Límil)		Chi se deo	2000	10:0	Giới hạn co	ţ.	77, 26 00
7.	lien.		(Limit pleates)	(Liouidil)	(Liquidity index)	(Shrinka	(Shrinkaga limit)	(Shrinkage ratio)	(Oile) at
	29.6	-	ひらた	o. <del>↑</del> €	o.				
	the said of the standard but				Xiém bởi (C	Kidm böt (Checked by)			

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								1
Cong thin (Project): DONG NAI 3	DONG NAL 3 & 4 COMBINED HYDROPOWER	ROPOWER	Māu số (Sample No) :	.: (on exdu	7670	7-4		•
Mo ta (Description) :			Ngay (Dete):		•			
			Người thủ (Tested by)	ested by)	30	<u>.</u>		٠.
							]	
	Gidi han chiky W.	,				(Plastic limit)		
This sto this Gene No.		-	2	6	4	  -  -	~	
Bi s6 (Can No.)		<u></u>	3,6	7 %		45 116		
T. UOI CA BI (WI, of wel soil + Can)		13.8%	43.38	42.46		1		4
The kno ct bi (Wi. of dry soil + can)		40 43	16.62	10,50		14.80 14	4:75	
NUGG (Mt. of water)						1	i	
Binking (Wt. of can)		4.77	6.54	3		6.50	5	
TL CALL KNO (MT. OF CITY SOIL)						-	h	
Do &m (Moisture content) %		(8,4	13.8	8.79		41.5 41.5	برا	
S6 14n nhip (No. of blow)		\$	22	ধ্ন	! i	Trung binn (Average)	(a.G.	
						41,5		1
Thứ tần thứ (Time No.)	1	5			İ		Ė	
BIBG (Can No.)		<u> </u>					=	
(080 + 100) of well soil + 080		 T					_ 	٠.
		L		Z				
יר אויס כמי פו לאלוי פו פול פפון א בפונו	-	<u>_</u>		2			_	
NUGG (WT, of water)		<u> </u>	 					
8: nang (Mr. of can)		] 					<u> </u>	
T' dat kno (MT. of dry soil)	-	<u> </u>	1.				Ī	
Do &m (Moisture content) %		_ 			1	,		
The tich datuot (Yokum of wet soil)		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				2		
The tich call kho (Youm of dry soil)			<u> </u>			/	Ī	
Lugng co (Shahkaga)			-				_	
Tý số (Ratio)		<u> </u>	-		E		F	
Luding co trung binh (Average shrinkage)	(9)	<u> </u>						
The lich thay do! (Votime change)		<u> </u>			=			
Ty ad co (Shrinkage (allo) R = Dry Wit	-11							
Clid han so (Shrinkace limit)		<u>}</u>	12 45	2	×	30 35 40	\$ 8	
Name : Vol. Wet. Volt. Dry × 100		:			1	٠.		
Dry.Wet							T	
Tom this heli qua		×	Xép hang dat (Soil classification)	7			7	
(Summary result)	Give han // imil)							
40	••∆	CN nó dáo	2000	Gldl han co	8	TV 96 CO		
_	(Limit plastic)	Ş	'index'	(Shrinkage limit)	limit)	(Shrinkage ratio)	اد	- 1
9.29	41.5	26.1	_				Τ	j.
							-	

### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

Nguri min (Tasted by)   Hark*   Agusti min (Tasted by)   Hark*   Table   Tab									
Sol - Carl han Chây W.    Cach han Chây W.   Cach han Chây W.   Cach han Cach han Cach han Chây W.   Cach han C	. Indicamental to Ass.				Noay (Date	.:			
Coop han chây W,   Coop han chây W,   Coop han decomplete   Coop han chây W,   Coop han chây W,   Coop han chây W,   Coop han chây Coop han	woodcocco a com				Nous thu	Tested by) :	3	}	
Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily W,   Cool han chily han cool   Cool han chily han chily han chily han child child child han child han child child child han child					:		•		
201 - Carry (1970)  201 - Carry (1970)  201 - Carry (1970)  201 - Carry (1970)  202 - Carry (1970)  203 - Carry (1970)  204 - Carry (1970)  205 - Carry (1970)  206 - Carry (1970)  206 - Carry (1970)  207 - Carry (1970)  208 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  209 - Carry (1970)  200 -			Giệi han chây	, w				Giới hạn (Plạsh	deo w.
soil - can) 12 20	Thủ lần thủ (Time No.)			L	ĸ	6	4		2
12.70 (3.72 43.28 46.93 (4.3.64 (1.3.6	BI BG (Can No.)			ā	77	27		133	73.5
10 40 40 40 40 40 80 43.56 41.3 64.1 43.56 41.3 64.1 43.5 41.3 41.3 41.3 41.3 41.3 41.3 41.3 41.3	TL JOI CA DI (MI. Of WO	it soil + can)		12.00	13.23	43.28		16.43	16.93
1 2 3 63.5 4.5.2 5.0 4.3.2 4.3.3 4.3 4	TL. Khô cất bị (Wit. of di?	y soil + can)		10.40	10.10	10.80		43.64	525
1 2 3 6 3.5 4.5 4.5 4.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 4.5 5.5 5	NUGG (W), of water)								
1 2 3 6 4.5 4.5 4.5 4.5 4.5 4.5 5.0 4.5 4.5 5.0 4.5 5.0 4.5 5.2 4.5 5.0 4.5 5.2 4.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	B) nifing (Wt. of can)			7.67	53	2.20		12.9	2,86
1 2 3 3 4 5 7 7 1 4 5 7 6 5 3 4 6 5 7 7 1 4 5 7 6 5 7 6 5 7 6 6 5 7 7 1 4 5 7 6 7 6 7 7 1 4 5 7 6 7 6 7 7 1 4 5 7 6 7 7 1 4 5 7 7 1 4 5 7 7 1 4 5 7 7 1 4 5 7 7 1 4 5 7 7 1 4 5 7 7 1 4 5 7 7 1 4 6 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The dall tong (MT. of day.	soil							
301 - Carr) 301 - Carr) 301 - Carr) 301 - Carr) 301 - Carr) 302 - Carr) 303 - Carr) 304 - Carr) 305 - Carr) 306 - Carr) 307 - Carr) 307 - Carr) 308 - Carr) 309 - Carry 309 - Carr) 309 - Carry 309 -	Do Sm (Moisture confe	the X		30.8	69.3	25		433	43.2
30i - can) 30i - can)	Số tần nhịp (No. of bio	(*)		17	23	36	!		(Average,
1 2   X			,			•••			. (
304 - Carr) 304 - Carr) 305 - Carr) 305 - Carr) 307 - Carr) 308 - Carr) 309 -	Thu lan thu (Time No.)		1 2	\  -  -			ļ		1000
304 - Carr) 304 - Carr) 305 - Carr) 305 - Carr) 306 - Carr) 307 - Carr) 307 - Carr) 308 - Carr) 309 - Carr) 309 - Carr) 309 - Carr) 309 - Carr) 309 - Carr) 309 - Carr) 309 - Carr) 309 - Carry 309 -	81 s6 (Can No.)					,			
201 - Carl)  10 dry 50/10  10	The votice bi (W. of we	if soil + Carl)			_				
(1) 4. (1) 4. (2) (2) (3) (4) (3) (4) (5) (4) (5) (4) (5) (4) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	TL 1006 CA 101 (797. of do)	y soil + can)							
00) 10 dr y soin 10 dr y soin 11 dr y soin 12 dr y soin 13 dr y soin 14 dr y soin 15 dr y y y y y y y y y y y y y y y y y y	NUOC (Wt. of water)			ع ا	-	7			
19 % of very soun of dry sound of dry soun	Bingha (Wt. of can)					/			
of dry soil)  Contract of dry soil)  Contract of dry soil)  Contract of dry soil of dry soil)  Contract of dry soil of dry soil)  Contract of dry soil of dry soil)  Contract of dry soil of dry soil of dry soil)  Contract of dry soil of dry	T. dit kho (W). of dry.	soil)			1		1		
of dry soli) of dr	Do &m (Moisture conte.	* tion			1		1		
of dry soil    2	The tich dat wot (Volum	n of wer soul)	!	=	- - - - -		1		
in thange shinkage)  The change of the chang	The tich dat kho (Volum	m of dry soil)			<u> </u>				
Soli Cassification   Chicago Shrinkago Inni)   Chicago Shrinkago Inni)   Chicago St. Color   Charles St.	Luding co (Shrinkage)				<u> </u>				
Soli Classification   Change   Chankage innit   Chankag	Tý số (Ratio)				<del> -</del>  -  -	<u> </u>	E		
1	Lugng co trung binh (A	(verage shrinkage)		=	-		E	2	
10   2017 WT   12   13   14   15   20   25   30   35   40   10   10   10   10   10   10   10	The tich they doi (Vota	me change)			-		=		
Vol. Ory   Vol. Ory	TV ed co (Shinkace (a)	160 R = 004 WR							
Voli. DPY 100		Vol. dry		\ <u>`</u>					
(Soli classification)  Cid than (Limit)  Chi ab doo Gid than co  Chay  (Louid) (Limit plasis) (Limiting Index) (Shrinkage limit)  65.0 43.2 25.8	Gidi han co (Shrinkape	(imit)		¥	ŧ.		ĸ	33	8 8 8
Sight fan (Lmil)  Gight fan (Lmil)  Chây  Chây  (Lhquid)  (Lhquid)  (Lhquid)  (Lhquid)  (Lhquid)  (Shrivage (mil)  65.0  43.2  25.8	A. * Molet. On.	.Wet	<del></del> -		÷			:	
God han (Lmil) Chèo Chì ad dòo Gid han co (Lhoud) (Lhoud) (Lmil plasic) (Liquidity Index) (Shrinkage limit) 65.0 43.2 25.8	Tom tat keit qua			×	sp bang dat				
Gidt han (Limit) Chèo Chỉ số đỏo Giới han có (Lhọi kh) (Linit plasic) (Liquidity Index) (Shrinkage limit) 65.0 43.2 25.8	(Summary result)			3	classificatio				
(Lycuid) (Limit plastic) (Lycuidity Index) (Shrivkaça hmit) 65.0 43.2 25,8	Dộ ấm thiên nhiên	Giới hạn	(timit)	Š	90	Gioth	8	Ŷ	678
63.0 43.2 25.	natural	(Dould)	(Umil plastic)	(Liquidit)	· Index)	(Shrinkao	se timit)	(Shrinke	o ratio)
		63.0	43.2	25,	8				
File by Continue has									

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Cong tinh (Project):	DONG NA 3 & 4	DONG NAI 3 & 4 COMBINED HYDROPOWER	- R3WOA	Mau só (Sample No)	mpie No) :	TP80-4	4-7	
Mo tá (Description) :			2 15. 1	Ngay (Data) : Người thử (Tested by)	): Tested by):	3	1	
		Gidi han chây W.	* .				Giới han đảo W <sub>e</sub>	dèo W <sub>e</sub>
The lan the (Time No.)	2		ŀ	2	6	4		2
Bl s6 (Cen No.)			23	à	Į,ç		433	Ĕ
TL vot ca bi (Wt. of wet soil + can)	el soil + can)		43.27	13.96	344		H #	5
The kho can be fam, of day soul	iny soil + can)		40.8	÷.	मृत्		784	Ŝ
Nude (Wt. of water)							·	
91 nang (WT, of can)			٠. بۇ	5.5	77.7		25	5.5
T. Offithe (Wr. of dry soil)	, soil)						- j	1
Do ám (Noisture content) %	ent) %		38.6	33.3	<u>بر</u> بريد	1	47,7	₹,
SG lifn nhịp (No, of blow)	(mo		44	22	#	-	Trung binh (Average)	(Arerage)
1		,						
Thữ tần thứ (Time No.)	•	2		-				
Blac (Can No.)			L	1				
TL udica bi (Wr. of wet soil	et soil + can)		1	1				
T. Icho cá bi (Mr. of dry soil	ry soil + can)			1				
NUGE (M): Of Water)			*					
Binang (Mr. of can)			1	+				I
TL dist kno (Mr. of dry soil)	soil		1	1	7			F
Do 4m (Moisture content) %	* 000			1				
The Net off upt (Volum of wet soil)	n of wet soil)		*	+		1		
The tich dift this (Volum of dry soil)	m of dry soil)		1	+		1		I
Lugng co (Shirinkage)				<u> </u>				
Ty so (Ratio)				+		-		
Lugng co trung binh (Average shrinkage)	4verago shnnkago)		8					
The tich thay do: (Volume change)	me change)		<u></u>					
Tý số co (Sarinkage ratio) R	tio) R - Dry Wr							
			K		3	∄.	•	=
Gići hen co (Shrinkage hml) Vol. Wet, Vol. Dry	t.Volt.Dry		_ :	13 14 65	S .	ያ ሄ	₹ ?	8 6 
A - A Moint - Dry	Dry.Wet			1. 11				
Tom låt ket quå			×	Xép hang dát				:
(Summary result)			Š	Soil clessification)				
Eq ám thiên nhiên Moisture content	GIGI ha	Gidi han (Limit) y Dèo	Chì số đẻo	Q.	Giới hạn co	8	7) and co	8
natural	(Litouid)	(Limit clastic)	(Liquidity Index)	index)	(Shrinkege limit)	himit)	(Shrinkage rutto)	(OHR)
	76.9	41.2	35.					
Tinh bởi (Calculated by)			_	Kiểm bởi (Checked by)	ecked by)			

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### GIÓI HAN ATTERBERG ATTERBERG LIMIT TEST

No is (Conscription):  No is (Conscription):  No is (Conscription):  No is (Con No.)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil + can)  Thus the bi (Mr. of wer soil)  Thus the big (Golding of wer)	Ngay (Dale) : Người thủ (Tasled by) :	A) Alba and A		
Cusi han chây W.  Liberd limit	1 273		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
- can) (Leuid Imm) 1 2 3 42.14 (135) 42.14 (135) 42.14 (135) 42.14 (135) 42.14 (136) 43.14			A. C. C.	
-can) -can)			N OBD UBLI IDIO	3 5
-can) (13.32 A(53 42.1) -can)	473		4	. 2
13.32 A(S) 42.1  -can)		╀	*0	ų
-can) -can)	-	<b>!</b>	20.13 A	76 91
4-can) 4-	817'b	_	-	'n,
4-can) 4-				Ì
4-can) 4-	F:24		के.भूभ	3
- can) -				
4-can) 4-can) 6-can) 7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-		~-	- 2 tx	Y.
4 can) 4 can) 6 shinkaga) 6 shinkaga) 7 7 7 7 8 500 7	٧٤		Trung binh (Average)	00000
1 2 (1 2 (1 2 (1 2 (1 2 (1 2 (1 2 (1 2			***	
4 can) 4 can) 4 soil 7 3 4 soil 6 shinkage) 6 soil 7 5 7 7 7 6 soil 7 5 6 soil 8 soil 7 5 6 soil 8 s	┞			į
+ can) + can) + can) -				3
e shrinkaga) 15 15 15 15 15 15 15 15 15 15 15 15 15				
15 15 16 16 16 16 16 16 16 16 16 16 16 16 16				
15   15   15   15   15   15   15   15	:			
15   15   15   15   15   15   15   15	-	7		Ξ
15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	; ;	- - - - - -		
15. (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	  - 	2		
15. (1) (2) (3) (4) (5) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7		2		
15   15   15   15   15   15   15   15				Ē
unge)  - Dey Wrt  - Voil dry  - 100 x 100	55			
13   14   15   15   15   16   17   17   17   17   17   17   17			7	
(4) (2) (4) (5) (7) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7			7	
Vol. dry (4 fg 13 14 45			/	
Vol. dry  ***********************************	33		7	
Vol. 4ry (12 13 14 45				
57 +1 52 13 ++ 45				
×100		\$3	25 30 35 40	ð. S
Tom the reference Xep name (Soil classification)	G9X 15/10(S)	nang dal essication)		
Softment result. Softment oblige Gigl here (Limit)				
Chây Dão Chí số đảo	ိုင္	- *. :	o Týsoco	Ş
(Liquidily index)	ŀ	dex) (Samakage lamit)	-	
7.45 7.45 39.1	33			
Tich hal /Cakulaind by)		m boli (Checked by)		ı

1			of the second	O O O T. CAN ALL SAN A	000			_
	DONG NALO & 4 COMBINED MYDROPOWER	OPOWER OPOWER	May ac los	· towardu				
Mô tả (Description):			Ngày (Date) :		:		1.71	
			Người thử (	Người thử (Tested by) :				
	Gid! hen chây W.	×				Gidi han deo We	Géo We	
	(Liquid limit)	,				(Plastic limit)	Servit)	
Thù tán tha (Time No.)			7	e	4	-	2	
B) a6 (Can No.)		ន	ጉ	22		ե	156	
TL uct ca bi fMt. of wet soil + can)		13.83	14.31	34.31		e.:	21.15	`.
TL khó cả bi (Wi. of dry soil + can)		41.17	48.6	4.96		ţ	(5,93)	
Nudo (Wf. of water)				_				•
BI niling (Wt. of cam)		5.63	6,36	धः		888	2.16	
The dall kind (Mr. of dry soul)							]	- 1
Do fin (Noisture content) %		75.1	23.4	1.26		ングペ	43.0	٠.
SG Min nhip (No. of blow)		81	ध्य	. 66		Trung binh (Avarage)	(Austage)	
						# #22.	. 1	
Thự tần thứ (Time No.)	- 2							
8) s6 (Can No.)	_		- <i>i</i>					
T. uct ca bi (W. of wet soil + can)								٠,
TL bob cà bì MY, o' div soil + can)								•
Nucleo (With of water)			-	1				
B) Nine (W), of can)								
T. dit kho (M). of dry soil)			-					
Do &m (Noisture content) %		77						
The tich dist uch (Volum of wet soul)		_			-2			٠,
The tich dat the (Yolum of dry soil)		1	1		 			
udng co (Shrinkaga)					7.			1
Ty só (Reho)		<del>43</del> ·	<u> </u>	1	<u> </u>			
Ludng co trung blan (Average shrinkage)	(a)	<u></u>	<u>†</u>					
The Ion thay do! (Yotume change)		L					Ī	
Tý số co (Shinkaga railo) R = Dry Wt								
(init accordance) on our last		_],	- :	$\exists$	∄.		≓ '	
R = 76 Molett. Vol. Wet. Volt. Dry Dry, Wet		×	ត ភ ‡ \$	8	ĸ	8 8 8	3 5	
Tom tilt ket qua		× 3	Xép hang dét					
	Old han Artist	3						
Mosture content Chây	oan (camic)	Chi số đểo	Q.	Giới han co	8	Tŷ 96 co	8	'
	(Limit plastic)	(Liquidity index)	index)	(Shrhrikage limit)	(jumili)	(Shrinkage ratio)	fogue	
1.60	<del>1</del> 3.5	30.3			1			
		1	1	the state of			_	

### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

Cong trinh (Project)		DONG NAI 3 & 4 COMBINED HYDROPOWER	POWER	Mac 80 (S)	Mau so (Sample NO) : 1 7 7 7 1 0	7.7.		
Mo th (Description):				Ngày (Date) :				
		:		Người thờ (Tesied by)	Tested by) :			
		Gidt han chây W. (Liquid làn!!)	×				Gidt hen dec W.	imit)
The ide the (Time No.)	No.		-	e۷	က	4	-	~
B) BG (Can No.)			467	Ž	169		4.3	**
Tr. vol cà bi (W. of wet soil - cari)	wet soil + can)		13.00	1U)Y	PC.14		नंद वा	74 74
The kind ca to (M), of dry soil + can)	if dry soil + can)		40.33	8.80	9.32		¥7.28	ĝ
NUGC (WI. of water)								
BI ning (W. of cen)	•		21.5	5.43	\$0.0		475	\$2.5
The CET KING (MY. Of dry SOU)	dry soul)							
Do £m (Moisture content) %	onlent) %		2.68	\$1.3	>8.4		ū	¥ V
Số lần nhịp (No. of blow)	(moja)		0	4	96		Trung binh (Average)	/Average
						:	¥	
Thủ lần thứ (Time No.)	No.)	4						
(3) ad (Can No.)								
The utility by (W), of well soil + can)	wel soil + can)		8.4					
Tt. You'd cal bi (MM. of dry soil + can)	I dry soll + can}							
NUGE (WIT, Of Water)	_			1				
Bi nang (Wt. of can)				†		F		
TL GELKHO (MT. OF dry soil)	try soil		*8	1.	1	<u> </u>		
50 km (Moisture content) %	mient) %		_			\ \{		
The sen dat upt (Volum of wet soil)	olum of wet solf)			1		Į.		
The tich det kho (Volum of dry soil)	olum of dry soil)		Ŀ	1		1		
Lugning co (Shrinkage)	9		22				/	
Ty so (Ratio)				+	-	1-	/	
Lugng co trung blith	Lugng co trung binh (Average shrinkage)		Ļ					
The tich thay dol (Votume change)	'olume change)							
	Say W			-				ļ.  -
Ty ad co (Shrinkage ratio) R -	•		1	i	-			
Giới hạn co (Shrinkaga limit)	ge limit)		] ॄ	12 13 14 15	8	x 30	35 65	\$ 8
A= * Moist Vol. V	=%Moist, - Vol. Wet. Volt. Dry x 100					-	·	
Tom tal kel que			× is	Xép hang dát (Soil classification)	· •			
(Summary result)	(i)=( i) = ( i) (i) (i)	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1						
Moisture content	ð	26 26	CM ad dèo	990	Gidi han co	8	7ÿ 36 co	8
natural	_	(Limit plastic)	(Liquidity Index)	index)	(Shrinkage limit)	Simit)	(Shrinkage ratio)	(allo)
	34.8	*:	36.1					
			 	The Pality	harded but			İ

100 miles	1	Contract Con	CONTRED	May 86 (Se	May a Gemore No! TP 10 D.	P 10 D.	_		
Cong time (Project)		DONG NAI 3 & 4 COMBINED HIDROPOWER	5						
Mo 14 (Description) :				Mony (Care)					
				November (Tested by)	ested by:	: .			
		Gidi han cháy W <sub>4</sub>	',				Gidt han deo We	deo W <sub>p</sub>	· ·
Thu lấn thự (Time No.)		200	-	~	6	4	-	2	
B) a6 (Can No.)			2	c	3		C71	87.	
TL UDICE DI (WI. Of wet soil + can)	vet soil + can)		8C)Y	(3.33	04; 8 <u>7</u>		اها ۱۰۰	12.67	
TL Kho ca bi (Wr. of dry soul + can)	dry soil + can)		9.19	10.63	485		(# S)	024 1	
NUGG (MT. Of Water)								,	
(3) name (Wt. of can)			46.3	6.X8	ă		623	25.5	
The daltishe (M), of dry soil)	y soil)	1						,	
Et ém (Moisture content) %	tent) *		633	25.5	63.9		×.	200	٠.
SG ten nhip (No. of blow)	(ma)		Ţ	67	ž		Trung binh (Average)	32.7	** **
		ŀ							
Thứ tần thứ (Time No.)	7	7		-		111			
Bl s6 (Can No.)									
T, uot ca bi (W), of wel soil + can)	rel soil + can)			1					
TL Kho ca bi (W. of dry soil + can)	try soil + can)		<u>"</u>	1					:
NUGC (Mt. of water)			1	1	1	+			
Binang (W) of can)			<u> </u>		1				
The daft kind (MY. of dry soli)	sol)		<u> </u>	-					
Do &m (Moisture consent) **	tent) *		<u>, , , , , , , , , , , , , , , , , , , </u>	-	1				
The tien dut wot (Volum of wet soil)	m of wet soil)								
The tich dat kno (Volum of dry soil)	um of dry soil)			-		7			
Ludno co (Shrinkago)									
TV a6 (Fatio)			- 29	  - 	<u>:</u>	2			
Lugng to trung binh (Average shrinkage)	Average shrinkage)		<u> </u>						
The lich thay 66 (Volume change)	ume change)		L				N III		
Tý aố co (Shrinkage ratio) R ==			<u>*</u>						
	Vo0r.				∄	=		=	
Gidt han co (Shankage Malt) Vol. Wet. Vol. Ory x 100	• Imili) st. Volt . Dry x 100		- - - - - -	5	8	ĸ	8 8 8	ह १	
0	Dry.Wet								
Tom this kell qua			X FoS)	Xép hang dát (Soil classification)					
On the mine abide	Citit bed // im//	(Limit)							
Mosture content	- <del>(1</del>	*	Chi ad dèo	990	Giới hạn co	8	TV 86 00	8	
natural	(Liquid)	(Limit plastic)	(Liquidity Index)	index)	(Shrinkaga Ilmit)	(Juny)	(Shrinkage ratio)	(0)	1
	\$5.3	36.7	3.96.					T	
				Kiden bol (Checked by)	ecked by)				

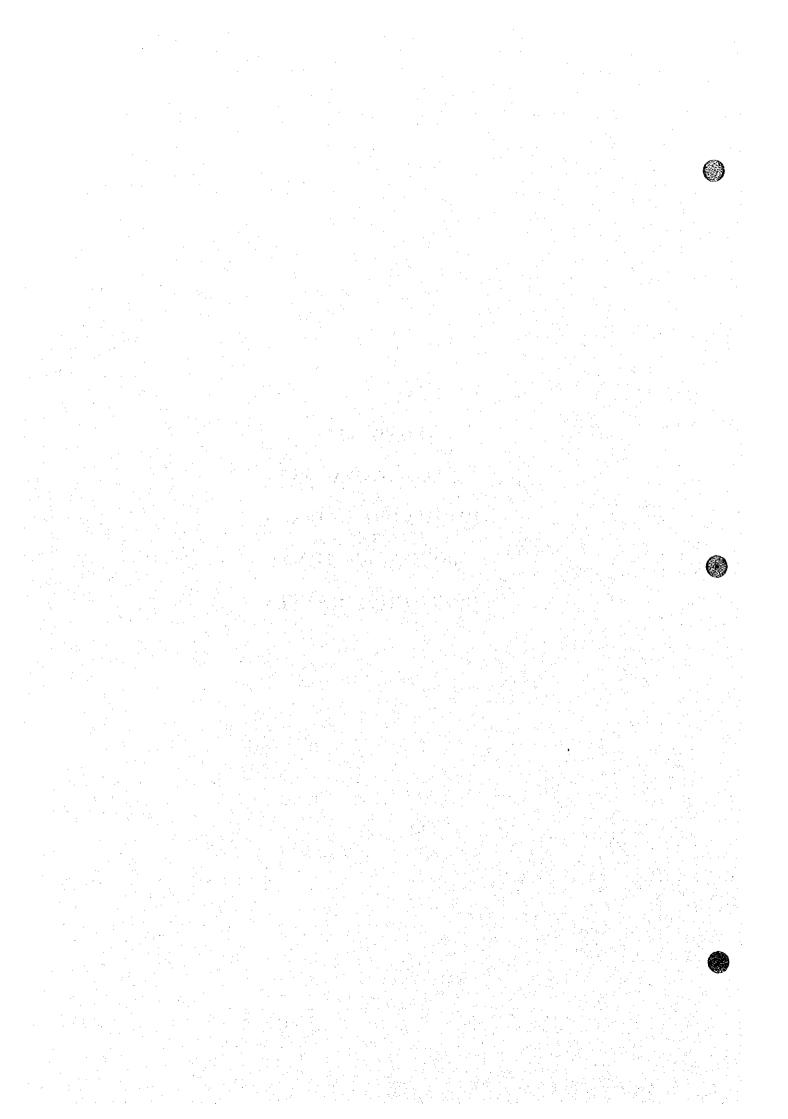
### GIỚI HẠN ATTERBERG ATTERBERG LIMIT TEST

Soil - Carl)  1	Cong Irinit (Project)	ı	DONG NAI 3 & 4 COMBINED HYDROPOWER	OPOWER	Måu s6 (Sample No)	: (on eldm	۴	7P 40 D-	Ņ
Colinar Chip W.   Colinar Ch	Mo th (Description) :				Ngày (Date)	=			
Call han chip W,  - can)  - ca				. M	Người thủ (	Tested by) :	3	ž	
Can han crisy W.  (Level from 1: 2 3 4 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4								004	W ode
-can) -can)		1	GIGI NEN CHAY	* .				(Plastic	(Jimit)
- can)	Thủ lần thứ (Time No.			•	2	၈	4	٠	2
12. X1 11. X2 12. X2 12. X3 12. X3 12. X3 12. X3 12. X3 12. X4 12	Sta6 (Can No.)			ţ	12	o,		纹	3
- Can) -	T. JOS CA 31 (M.). Of M	et soil + can)		12.51	11.82	42.22		38.66	3
- can) -	TL Khô CẢ Đĩ (WI, O/ d	ry soil + can)	٠	ф.53	9.21	19.07		450	2
- cam) -	NUGG (Wt. of water)							į	
- Canj   1 2 37, 2 36, 2 37, 6 37, 6 37, 7 37, 6 37, 7 37, 6 37, 7 37, 6 37, 6 37, 7 37, 6	BI name (W), of can)			708	4.56	88.9	-	7.64	ادا
- Canj 1 2 18 Trum burn (Am) 1 2 18 Trum burn (Am) 19 24, 6	The date is the office of dry	(nos)							
- Cani	Do Em (Moisture cont	ent) *		5	56.2	27.6		<u>ئ</u>	2
of souly (Y souly Vol. day Vol. day (Soule) (S	56 16n nhip (No. of De	(ac		¢	ಸ	28	!	Treng Dans	(Average)
- Can)  - Can)									
- cam)  - cam)	Thủ lần thự (Time No.	~	1 2	E	-				
of soul)  vy soul)  The shirtinger)  Soul change of the soul of th	B) a6 (Can No.)					†			
of souly for souly for souly angula  Dry Wit Vol. dry Vol. dry Vol. dry  Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Limit) Coldi han (Coldi  TL UOT CA DI (WI, Of W	et soil + can)		1						
17 30/10   1/2   1	Tt. Kh6 cå b) (Wr. of di	ry soil + cen)	_			7			
1   1   1   1   1   1   1   1   1   1	NUOC (MT. Of WBIB!)			\\X	+				
1 30	B) nang (W), of can)				1	<b>*</b>			
17 30/1    17 30/1	TL CAELKHO (WT. Of dry	so#)		1	+	1			
17 30/1    17 30/1    18 3 3 3 3 3 4 4 3 4 4 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Do &m (Moisture conte	out the			+	+	1		
17 30/1	The tich dat unt (Volu	m of wet soil)		   	+				
ST   ST   ST   ST   ST   ST   ST   ST	The tich dist kho (Volu	m of dry soul			†  -		ľ		
ST   ST   ST   ST   ST   ST   ST   ST	Lugng co (Shrinkage)				+				
Dry Wr.	ry s6 (Rabo)			1	<del> </del>		=	/	
Doy Wr.	Lugng co trung binh (	Average shrinkage)		<u>z</u>			-		
Dry Wit	The tich thay do! (Votu	ime change)			-				
Vol. dry	,			L					7
DP x 100	Ty a5 co (Shinkage in			l	<u> -</u>  -	-			
Soli nan (Limit) Chay Coto Chi ad doo Gidi nan co (Soli chas) (Louidi nadas) (Solichidage limit)  Chay Coto Chi ad doo Gidi nan co (Louidi nadas) (Solichidage limit)  Solichidage limit)	Giới hạn co (Shrinkage	s thronts		] *	<u>\$</u>		×	×	\$ 55
Xáp heng dát (Soli classification) Oldi han (Limit)  y Chiad da Gul hen co Chiad da Gul hen co Chiad da Chiad d	W.W.	è	<u>.:</u>	:			1	:	•
Soli classification)  Olidi han (Limit)  Chia Golo Chia Golo Gid han co (Loud) (Limit plastic) (Loudilly index) (Shrinkage limit)  \$\subsection{\subse	00	/.Wet							
Cold han (Limit) Chay Cho Chi ad Galo Gidt han co (Licoid) (Licoid) (Limit plastic) (Licoidity Index) (Shrinkage limit) \$56.0 74.6 24.4	Tom tắt kết quả			×ξ	ép hang cát. Lebasilitzatba	•			
Chay Chair Color Chiad Gold Gidt han co (Lough Chair C	(Summary result)			3	The second second				
(Licuta) (Limit plastic) (Licutally index) (Shrinkage finit)  56.0 74.6 24.4	Do dim thide chide	200 Per 200 Pe	ching)	Chie	5 640	G 104	8	ř	8
56.0 74.6 24	natural	(Liquid)	(Limit plastic)	(Liquidly	v index)	(Shrinkag	e fimit)	(Shrinke)	(cital ec
		26.0	4.0	24	4				
		1			XIÁM ĐẦI (C	hecked by)		į	

#### **DATA 4.1.2**

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.4 DAM

SPECIFIC GRAVITY



### SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

DONG NAI 3 & 4 Oject : COMBINED HYDROPOWER	Job No. :
cation of Project:	Boring No. :Sample No. :T.P. J.D. 1/2
oscription of Soil: Residual. soil . 18 hasault Depth of Sample: 2.0 x. 2.5x	Depth of Sample : 20. m.R.SxA.SSO.
ssted by :	Date of Testing:

Boring No. :.....Sample No. :T.P. 2D. 1/2

Job No. :....

DONG NAI 3 & 4 COMBINED HYDROPOWER

Project:

Location of Project:

ested by .....

3 42.93

Vacuum 36 ≯. 0 8

Vacuum 3 7 0. à 6

Wt flask + water + soil = Wbu's

Temperature "C

Method of air removal

Vol. of flask at 20°C

Test No.

50°C

30.0

3 0 0

300

341.28

334.21

337.54

Wt flask + water = Wbu'

Wt. evap. dish + dry soil

Evap, dish No.

Vacuum

Vacuum 5 \$ 4.60

500mi

500ml

S00m

500ml

TPAD

Te20-1

Description of Soil: Alsidual ... Soill..... of ... basalt. Depth of Sample : .. 2.0. . 2.5... 4.5....5.0

... Date of Testing: ......

SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

٠.					
	Q1 97		er al	જ-	
Test No.		2		2	
Vol. of flask at 20°C	500ml	500ml	500ml	500ml	
Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum	
Vt. flask + water + soil = Worle	363.58	32.68	12.2FE	372.14	1 1
emperature °C	30.0	200€	30°C	30€	5.1
Vt. flask + water = Wbu	331.05	321.12	339.12	839.03	
vap. dish No.					
Vt. evap. dish + dry soil					
Vt. of evap. dish					
Vt. of dry soil ≈ Ws	203	508	503	508	
Vor Wa+Wbu, -Wbu's	£ \$ -£ r	17.44	16.31	16.29	
35 # C WSW 0. 99567	2.850	2.8.55	2.944	2.948	
GS average	2.83	· ·	2.946	-	

<sup>b</sup>W<sub>bu</sub> is the weight of the flask filled with water at same temp. ±1°C as for W<sub>bu's</sub> or value from calibration curve at T of W<sub>bu's</sub>.

Remarks:

We is the weight of the flask filled with water at same temp. ±1°C as for Wevs or value from calibration curve at T of Wevs.

Remarks: ....

26.42

16.62

2306

305

We = Ws + Wbut - Wbuts

Wt of dry soil = Ws

Wt. of evap. dish

2.903

Gs = & Ws/Wy = 0. 9956 7

GS average

1362

305

508

508

508

## SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

Project:

Boring No. :......Sample No. : IR. & D. ! /2 Job No. :.... DONG NAI 3 & 4 COMBINED HYDROPOWER Location of Project:

Description of Soil: . Assidue L... 2012... of ... basakt.. Depth of Sample : & Land... A. A. S... 5..0

.. Date of Testing :...

Tested by :....

	TP 3D	~	TP 33-2	۲-
Test No.	-	. 61		2
Vol. of flask at 20°C	500ml	500ml	500ml	500ml
Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum
Wt. flask + water + soil = Wbu's	37635	35401	362.94	363.86
Temperature °C	30°C	30°C	30.0	30.0
Wt flask + water <sup>b</sup> = Ww <sup>2</sup>	343.08	320.48	323.19	320.08
Evap, dish No.				
Wt. evap. dish + dry soil		,		
Wt. of evap. dish	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Wt of dry soil a Ws	503	503	808	503
Wo * Ws + Wbu's	16.73	16.77	16.25	16.22
Gs # a Ws/Wy 0.99567	2.976	2.969	3.064	3.069
GS average	2942	2	3067	**

QWbd is the weight of the flask filled with water at same temp. ±1°C as for Wbus or value from calibration curve at T of Wbu's'

Remarks: ....

# SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

COMBINED HYDROPOWER DONG NAI 3 & 4

Project:

Location of Project:

Job No. :....

Boring No.:.....Sample No.: I.P.A.D...1/2

.. Date of Testing:.....

Tosted by :..

		TP 40	~	7840.	Y
	Test No.	-	2		73
٠.	Vol. of flask at 20°C	500ml	500mi	500ml	Soomi
	Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum
	Wt flask + water + soil = Wws	3 ≠0.19	341.79	569.37	366.01
	Temperature °C	30,08	30,08	30050	3005€
4, 1	Wt flask + water <sup>b</sup> = Wev	337.25	538.88	335.89	332.56
	Evap. dish No.	2			
	Wt. evap. dish + dry soil				
100	Wt. of evap. dish				-
	Wt. of dry solf = Ws	508	503	508	508
	Wy = Ws + Wbr., - Wbr's	14.06	17.03	16.52	16.55
	Gs = a WsWv 0.99552	8168	2.923	5.0.6	3008
	GS average	01882	0	3.010	07

<sup>b</sup>W<sub>bu'</sub> is the weight of the flask filled with water at same temp. ±1°C as for W<sub>bu's</sub> or value from calibration curve at T of Wouls'

Remarks: .

## SPECIFIC GRAVITY OF SOIL SOLIDS (GS)

Project: COMBINED HYDROPOWER			
Location of Project: Sample No. :Sample No. : TR.S.D. 1/2	Sample No. : T.P., 5, D., 1/2	- 1	
Description of Soil: Retalduch Lacid Coff based to Depth of Sample: 220.12.5.12.14.0.14.5	Spender Summer Combins	 	
Tested by:			

					_
	76	50-1	7050-2	٠-٤ ٠	
Test No.	:	2	1	2	
Vol. of flask at 20°C	500ml	500ml	500ml	500ml	
Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum	
Wt. flask + water + soil = Wou's	34199	. 3 70.10	374.90	351.80	. 4
Temperature °C	30050	30,20	30.50	3005€	
Wt. flask + water <sup>b</sup> = Wou.	339.15	33 7.28	341.92	314.85	
Evap, dish No.				: :	
W1. evap. dish + dry soil					
Wt. of evap. dish					
Wt of dry soil a Ws	808	503	808	503	
WuaWs+Ww Wws	91.76	81.41	14-02	14.05	
65= a Wow 0.99552.	2.901	2.897	2.925	2.919	
GS average	663.5	66	न्य <b>६</b> २	2.2	

 $^{\mathsf{P}_{\mathsf{W}_{\mathsf{b}_{\mathsf{U}}}}}$  is the weight of the flask filled with water at same temp,  $\pm 1^{\circ}\mathrm{C}$  as for W<sub>bu's</sub> or value from . calibration curve at T of Wbu's'

Remarks: ...

calibration curve at T of Www. Remarks:

# SPECIFIC GRAVITY OF SOIL SOLIDS (G<sub>5</sub>)

Boring No. :...........Sample No. : T.P.6.D.1/2

Job No. :....

COMBINED SYDROPOWER

Location of Project:

Project:

Tested by :.....

Description of Soil: Act Lduck.... Last. L. of. basalt Depth of Sample: 20. n. 2.5. n. 4.3. n. A. 3. n. A. 3.

... Date of Testing: ....

:	!				
		T 8 6 D	+ -	7931	۳- q
	Test No.		2	1	2
	Vol. of flask at 20°C	500m1	500ml	500ml	500ml
:	Method of air removal	Vacuum	Vасиит	Vacuum	Vacuum
	Wr. flask + water + soll = Wbu's	368.35	344.64	341.40	365.06
	Temperature °C	3005	30,20	30°5€	30.20
	Wt. flask + water <sup>b</sup> = W <sub>bv</sub>	535.89	339.15	329.18	332.56
	Evap, dish No.				
	Wt. evap, dish + dry soil				-
	Wt. of evap. dish				
	Wt. of dry soil # Ws	508	208	503	503
	Wo = Ws + Wbu" - Wbu's	13.54	14.51	84-11	17.50
	Gs = a Ws/Nu 0.99552	2.838	2.843	2.848	2.944
	GS average	2840	40	2.846	9
-					

<sup>b</sup>Wby is the weight of the flask filled with water at same temp. ±1°C as for Wbu's or value from

## SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

COMBINED HYDROPOWER DONG NA: 3 & 4 Project:

Location of Project :

Job No. :....

Boring No. :.........Sample No. : I.8... I.D.1/2

Location of Project :

Project:

Description of Soil: . All duck Last Ly .. Dasa ft... Doptn of Sample : A. O. 2. L. L. A. S. S. O.

. Date of Testing : ...

Tested by :.....

•		7.6 7	t - Q t	a F 3 T	٧- م	
	Test No.		. 2	-	2	
~~~~	Vol. of flask at 20°C	500ml	500ml	500mi	500mf	, .
	Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum	
	Wt. flask + water + soil = Wou's	312.04	346.03	353.86	354.24	1.4
	Temperature °C	30,20	35,08	30.50	30,08	1.1.1
	Wt. flask + water = Wbw	339.12	343.08	320.78	321.12	
	Evap. dish No.					
<del></del>	Wt. evap. dish + dry soil					
·	Wt of evap. dish					
<del></del>	Wt. of dry soil = Ws	503	503	5.08	508	
	WorWa+Wbu' -Wbu's	14.08	14.05	16.92	16.89	
•	Gs = a Wow 0.99552	2.914	2.913	2.942	2.949	
	GS average	2.9 17	j	2-945	5	

<sup>b</sup>W<sub>bu'</sub> is the weight of the flask filled with water at same temp. ±1°C as for W<sub>bu's</sub> or value from

Remarks: ...

calibration curve at T of Wbu's'

# SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

DONG NA! 3 & 4

COMBINED HYDROPOWER

Job No. :....

Boring No.:.....Sample No.:TR.&D.1/2

Description of Soil: Residual . soll. of ... basedt... Depth of Sample: & O. n. R. L. M. S. L. S. C.

... Date of Tosting: ......

Tested by :.....

			•	•
	16 80	_		Ą
Test No.		2	:	67
Vol. of flask at 20°C	500ml	500ml	500ml	500ml
Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum
Wt. flask + water + soil = Wou's	3 70.24	3 72.25	362-88	353.32
Temperature °C	30°2 €	30020	3020	30,20
Wt. slask + water = Wbus.	334.51	339.55	330.12	320.60
Evap, dish No.		:		
Wt. evap. dish + dry soil				
Wt. of evap. dish				
Wt. of dry soil = Ws	508	205	503	503
Wy = Ws + Wor - Wou's	11.27	08.71	17-24	17.28
Gs # a W&W 0.99561	2.192	2.874	2.884	188-2
GS average		2.410	2.8	2.884

PWby is the weight of the flask filled with water at same tomp. ±1°C as for Wbys or value from calibration curve at T of Wau's'

Remarks: ....

. 82b-

## SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

Boring No. :......Sample No. : I.R.R.D../2 Description of Soil: Atst. dual .. Latin ... of ... Depth of Sample : .. A. D. .. A. S. A. A. A. S. ... Job No. :..... DONG NAI 3 & 4 COMBINED HYDROPOWER .... Location of Project: Project :

... Date of Testing: ...

Tested by :.....

	769	4-016	3 A L	T 8 9 D - 2	
Test No.	_	2		2	
Vol. of flask at 20°C	500ml	500m1	500ml	500ml	· .
Method of air removal	Vacuum	Vacuum	Vacuum	Vacuum	
Wt. flask + water + soil = Wous	34068	371.40	369.42	366.09	
Temperature °C	30,36	30,20	30,76	30,20	·,
Wt. flask + water <sup>b</sup> = Wbu'.	51.388	338.93	336.40	333.39	
Evap, dish No.					
Wt. evap. dish + dry soil					
Wt. of evap, dish					·
Wt. of dry soil = Ws	508	508	503	508	
W. = W3 + Ww Wbu's	05.61	14.53	1728	14.30.	
G3 = Q WSWV 0.99561	2.845	2.840	788.8	2.877	
GS average	5 °1	2. 2. 42	2.8 7.9	49	

Www is the weight of the flask filled with water at same temp. #1°C as for Waus or value from calibration curve at T of Wbu's'

Remarks: .....

## SPECIFIC GRAVITY OF SOIL SOLIDS (Gs)

DONG NAI 3 & 4

Project:

Job No. :....

Boring No. :.....Sample No. : I.R.J.O.D..!/2

COMBINED HYDROPOWER

Description of Soil: Restedual ... sail l. .. of ... basald.. Deptr of Sample : A. a. A. L. A. L. A. S. O. Location of Project:

.... Date of Testing: .....

Tosted by :....

	- COL97	-		۶- q
Test No.	į	2	72	74
Vol. of flask at 20°C	500ml	500mt	500ml	Sooml
Method of air removal	Vacuum	Vacuum	Vacuum	<b>Уасии</b> т
Wt. flask + water + soil # Wbu's	313.68	06748	346.21	35349
Temperature °C	30.26	30.80	30% 6	30%20
Wt flask + water = Wbv.	340.22	338.42	34.252	319.82
Evap, dish No.				
Wt. evap. dish + dry soil				
 Wt. of evap, dish				
Wt. of dry soil = Ws	503	503	503	503
Wy = Ws + Wbu', - Wbu's	16.54	16.52	16.31	16.33.
G= = WyWy 0.99561	3.010	3.013	3.052	3,048
GS average	3.0	3.012	3050	رم م

<sup>b</sup>Wbv is the weight of the flask filled with water at same temp. ±1°C as for Wbvs or value from calibration curve at T of Wouls'

Romarks: .

-478-

#### **DATA 4.1.2**

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.4 DAM

NATURAL WATER CONTENTS

### Sountbern General lavestigation Exterprise Soils Testing Laboratory

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	. i - i	dol.	
WATER CONTENT DETERMINATION	一年在各年人的我们的人的 经格的基本的公司 人	Project DONG-NATI 4 CON thi NEW HYDING POWER JOB NO.	Location of Project

Description of Soil Yellawish basum	yellowish	brown	critin clay		
Tested by	1cd		Date of Testing	9.6.99	
			Date of Weighing	40 6.99	
Boeing no	70 40 - TP 10	7540			
Container no. (cup)	260	224			
Wr. of cup + wet soil	53:28	54.72			
	(4 P.)	1,000		-	-

Horing ao.			
(can) see see con			
Opening the second			
Wi. of cup + wot sout			
wt. of cup + dry sou			
wt, of cup			
Wt. of water			
8			

### Soundbern General Investigation Enterprise Soils Testing Laboratory

### WATER CONTENT DETERMINATION

Project Donarnmi H Canmines Hypro Powiet	1 4 COMMINED	xyoro Po	3 2	Job No.			
Location of Project							,
Description of Soil Reddert brown day with 5-5% from gravel	Reddich	Low	chus	W. # 5-	20	3	mark
Tested by	Mais		يِّ ا	Date of Testing	9	96.99	6
		Date of Weighting	Date	Weighing	40.	10.6.92	

					۲
		7	d Ĉ		_
	DOING TO.				
	Container no. (cup)	220	1		т
- :	W of cup + wet soil	76.03	87 59		
	111 - 6 - 7 - 111	40.93	2.6		
	אני מו כווס + סוג פימו				
	We of cup	23.0€	7.7.		т
	We of develoil	8.4	53 47		~~
	nt6	053	7.94		$\neg$
	W. Of Walci				_
	Water content, w%	22.5	23.5		٦.

Horiag Do.			
Cantainer on (cap)			
Wr. of cup + wet soil			
W. of cup + dry soil			
W. of 6110	1		
11. 01.01			
Wr. of dry soil			
או טו אונינ			
Water contract, w%			

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WATER CONTENT DE LERWING LINN	
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		claw	9 6.33	10, 6, 95
Project DONGTHA GOV PRINTS KYDYD POWER JOB NO.	-	nowin gitty clay	Date of Testing	One of Weighing 10, 6, 35
H CON PRINTED KYO		yellow in moun	Mai	
Project Deveral	Location of Project	Description of Soil	Tested by	

B.svine no	3 4	77 20	1	
Complete to Color	839	\$		
Wr of cup + wet soil	57.20	18.18		
Wr of cup + dry soil	47.66	39.53		
W. of cup	13 CT	(P. 17		
Wr. of dry sou	24 53	22.36		
Wt. of water	9.54	8 8		
Water content, w%	8.84	7.8%		

		_		
Horing no.				
Container no. (cup)				
Wt. of cup + wet sou				
wt. of cub + uly tou				
Wr. of cup				
116. of day coll				
C OI OI A SOUT				
Wt. of water				
	}			200

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## WATER CONTENT DETERMINATION

			9696	10.6.92
Physical DONGLAPP H CONTINUED HYPTOPEWERE		Reddish brown day	Date of Testing	Date of Wenghing
H CONTINUED H		Reddish	K4,*	>
אויוביו סמתק עשני	Location of Project	Description of Soil	Tested by	

	3,5	SF		
Doring ac.		111		
Container no. (cup)	3	3	+	
100 Jun + 0110 Jun 1981	8	ES.CI		
W. of cut + dex 50.	13.45	42.99		١
W. 26.00	26.14	17.64	- <b>-</b>	
W. of deepers.	24.50	\$ 35		
W. of waler	\$.\$	9.54		
Water content. W%	57,3	37.6		

	-		
Boring 80.			
Total Constitution			
רסתנשותנו חסי (בחה)			
Wt. of cup + wet soil			
incompany of the			
Wr. of cup			
100		 	
Wt. of Gry sou			
W. of water			
M. O water			
Water content, w%			

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Souls Teanig Laboratory

WATER CONTENT DETERMINATION

			Date of Cesting 9 6.99	Date of Worthling 40, 6, 99
Project DONOTION H COM Print PADO POWER with No.		yellows to brown sitty day	guise, wealth	Date of Worehing
4 כישא פי אידים א		yellowsoh	זאני	
Project DONG NOT	Lucation of Project	Description of Soil	Tested by	

Boring no	DE 4T	172 3D		1
Container av. (cup)	36.5	129		
Wt. of cup + wet soil	22.17	S1.00		
We of cup + dry soil	43 74	42.00		
Wr. of cup	22.19	19.52		
Wr. of dry soil	27.25	72.57		
Wr. of water	34.8	8.51		
Water content, w%	39.3	3.95		

v			-	
Вопрено		-	-	
Coptainer bo. (cup.				
Wr of cup + weres			 	
W. of cun a dry ton				
3,000	1	  -  -		
We of dry soil			-	
Wr. of water				
Water content, w%				

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### WATER CONTENT DETERMINATION

Project DONGENTH COUNTINED HYDOPO POWER

	Description of Soil Reddich brown day with 10-12 to fore greenl	96.99	60 7 7
	20 With 10-	Date of Testing	Cheer of Manahine
	brown cle	Dat	1,1,1
	Reddich	Ky.	•
Location of Project	Description of Soil	Tested by	

Container 20, 1 (10p) 212 465  W. of cup + wet soil 50, 70 6245  W. of cup + dry soil 44.68 54.43  W. of cup + dry soil 21.74 23.34  W. of dry soil 21.77 31.12  W. of dry soil 21.77 31.12  W. of water 60, 02 8.02	Boring no.	08 dt	77 30		
20. 45 4. 62 4. 64. 62 4. 64. 62 4. 64. 62 4. 64. 62 4. 64. 62 4. 64. 64. 64. 64. 64. 64. 64. 64. 64.	Container no. (cup)	3.53	265		
44.69 22.97 24.73 46.02	Wt. of cup + wet soil	ļ	62.45		
22.97 21.71 6,02	Wr. of cup + dry soil		54.43		
6.00 7.7.7	Wt. of cup	L	13.31		
6,02 1, w% 2 + 7	Wr. of dry soil	2	31.18		
11, W% 2 7. T	W. of water	. 6,02	20.0%	-	
	Water content, w%	27.7	45.0		

	B.v. iog				1
	We of the + wet sail				
. · .	3 cm + quo				
	Wr. of cup	     			
	Wr. of dry soil			- 1	
	W. of water		 		
	Water content, w%				

## WATER CONTENT DETERMINATION

Date of esting Date of Weighing brown silly Project BONG NOW H COURTNED HYDOC POWER MINNS yellowish Location of Project Description of Soil Tested by

Восие во	75.5	70 40	i	
Container po. (CUD)	623	6.8		
Wr. of cup + wet soil	45.18	46.54		
Wr. of cup + dry soil	34.29	58.00		·
Wi, of cup	17.50	17.92		
Wt. of dry soil	19 49	21.03		
Wt. of water	68±	21.8		
Water content, w%	40.5	2002		

Baring uo. Cananarer no. (cup) W. of cup + wet soi! W. of cup + dry sou. W. of cup W. of cup W. of up W. of up W. of up soil			:				
+ wet soi: + dry soi: re: v%	Royage no	3					
+ wet soi! + dry sou. rei. w%							
W. of cup + wet soil W. of cup + dry son W. of cup W. of dry soil W. of water W. of water	Chatanant ab. (cup)			-	<del> </del> -	<u> </u>	-
Wi. of cup + dry son. Wi. of cup Wi. of dry soil Wi. of water Wi. S. water	Wr. of cup + wet soil		 		1		<u> </u>
Wr. of cup Wr. of water Wr. of water Water content, w?	10% AP + 0107 Jo 178					]	
W. of dry soil W. of water Water content, w%							
W. of dry soil W. of water Water coatent, w%	Wr. of cup				-		
Wt. of water Water coatent, w%	W. of dry soil			_	-		
W. ci waler Water content, w%							
Water content, w%	Wr. of water			-			
	Water content, 1996						

Sounthern General Investigation Enterprise Sounthern Sauls Texting Laboratory

WATER CONTENT DETERMINATION

שניונינו שבות שבים וא בפשושי ווצבה ואסום שניתובה

4,4 Due of Weighing Date of Testing Asimally Description of Soil Lucation of Project Tested by

10 40 5 **65**4 54.24 KS-51 42 40 95 √ Wt. of cup + wet soil We of cup + dry soil Container no. (cup)

23.52

56.5

73. 25

Roving no.			
intarper po. rcup	<u> </u>	-	
Wr. of cup + wet soil			
7.7	 		
200000000000000000000000000000000000000			- <del>-</del>
Wr. of cup		-	
Wr of dev soil			
Wr. of water		 	 
Water content, w%			

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### WATER CONTENT DETERMINATION

e i 9.		٠.		
			2.6.22	Dare of Weighting 12.6 99
Project DONGE NAM H CON MY NED HYDRE PCWER NOW NO.		Description of Soil Unillown the Brown day.	Date of Sexing	Sare of Weighting
AN H CONDINED		ye Clowson	na	
איסופנו חשאבער עיי	Execution of Project	Description of Soil	Tested by	

	C) (L	5			
boring no.	24	643	\\ \		
Container no tempi					
W. of cup + wet 301:	59 £	66.57		-!-	
IWe of cup + dry soil	LS.99	19.24			
	9,	3			
w( of cup					
W. of dry soil	25.45	27.13			
W. of water	10.62	11.33			
Warner and with	10.7	41.8	-		

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Horing bo.					
, Cab, 00 sate 6500					
לישומיות מיי יים לי				L	
Wt. of cup + wet soil				    -	
100					
או מו כחל בסוג אבוו		<u> </u>		i	
W. of cup			. !		
4					
Wr. of dry soil	-				
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Without Countries W.					

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WATER CONTENT DETERMINATION

			Date of Sesting 9 6.39	40 6 99
and No.		clay	e of Testing	Date of Wingbing
YOU POWER	.	hroun	ρία	Date
+ CON PONTO H	Line of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco	yellows the brown clay	, 4K4,	2
Physics Down war 4 con minto Hydro Power within	Location of Project	Description of Soil	Tested by	
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C. C. C. C.	CS 41	t at	· '	
Series de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la c	6.43	343		
W. of one to the real	e,	62.75		
100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	3, 64	4		
W()	7767	22.87	       	
wi, or cup	2	00.00		
Wr. of dry sou	2 2	20 %	! 	
W. of water	0 03	707	; 	
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Overage no.		-  -  -		
Container as, (cup)				
Wr. of cup + wet sou				
W. of cup +dry son				
Wr. of cup				
	:			
WI. Of dry soul				
Wr. of water				
3/1				
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Sonothern Tenenal Investmental Entreport

## WATER CONTENT DETERMINATION

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		cleux	Due al Testing 9 6.99	40, 6.99
ON OWN		200	al Testing	Darg of Weighing
ישטאבית בי		hour	Dirk	Pare O
COUNTY NED HY		yellownsh	Max	
Project DONA NAM H CONTYNED HYDROMEWICK MINING	L. cation of Project	Description of Soil yellown sh brown or they clear	Trated by	

Borting no.	77 60	17 60		
Countainer no. (cup)	615	252	-	
Wr. of cup + wet soil	54.60	57-15		
We of one + dry soil	44.44	47.64		1
We of cup	18.60	2352	·	
Wt. of dry soil	ረጉ.የን	21.12		
Wr. of water	10.16	15.6		
Water content, w%	39.3	59 H		

Baring no. Container no. (cup) W. of cup + wet soil W. of cup + dry soil W. of cup			
Container no. (cup)  Wr. of cup + wet soi  Wr. of cup + dry soi  Wr. of cup			
Container no. (cup.) Wr. of cup + wet soi! Wr. of cup + dry soi!			
Wr. of cup + wet soi! Wr. of cup + dry soi!			
Wt. of cup + dry soil			
W. of cup	-		
Wr. of cup		1	
W. of dry soil	-	_	
To start ye			
West contract with			
A CHICA CONDICION, W. CO.			

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### WATER CONTENT DETERMINATION

		60 0 1	i	40,6.99
1 1/2 1/2		-	Date of Testine	Date of Weightap
Physical David NAH H COMBINED HYDRO POWER		Description of Soil Up (Low) she was charge		•
Plajee Davie Note	Lecation of Project	Description of Soil	To steed by	

	4 60	13 60	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		Ş	
Coptainer no. (cup)	Ş	31	
W. of cho + wet soil	574.67	64.55	
W. of 600 + dev 500	44.93	54.29	
W. of Ciro	18.04	18.53	
W. of dev soil	24.70	37.70	
W. of water	1. 5.	12.27	
Water content, w%	36.2	32.5	

			-			
		L:				
	Boring no.					
		L				
	וליאסומומייר מאי (כעם)			<u> </u>		
		L_				
	Wt. of cup + wet foi.					
-	Wr. of cup +dry soil		1		,	
:						
	W. of cup					
	[Wt. of dry soil		    -			
٠,						
	Wi, of water					
	Witer content, who		 			

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## WATER CONTENT DETERMINATION

			96.99	10, 6,99
Power where		2 clay	Date of Testing 9 6,99	Date of Workling
VIPLUED HYDE		Reddich known clay.	ndas	
Project DONG NA 4 CON PANTED HYDRO POWER NO NO.	Locanoa of Project	Description of Soil Res	Tested by	
ڋ	٤	ŏ	_ı <u>ı</u> ĕ	

Boring no.	2,	2				T
Container no. (Cup)	63%	842		  i		
Wt. of cup + wet soul	52.39	51.27				$\top$
Wr. of cup + dry soil	46.48	73 40				
We of cup	49.09	9			2.	Т
Wr. of dry soil	27.50	3	<u> </u>	<u> </u>		
Wr. of water	40.33	₹8.4				
Water content, w%	57.7	3.5	1			

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Wt. of cup + wet soil			-			Т
Wi, of cup + dry soil						7
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wi or clip	 1		-			1
W. of dry soil			-	. !	_	I.
	  -  -  -  -	ļ				
We of water		-				L
W.ifer content, w%	 					- 1

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CONTENT DETERMINATION	
 CONTENT	
WATER	

Physics DONG NAM & COUNTY NED KYOTE POWER

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	Reddish bown clay	Dare of Cesting	Mercy Weighing 10.6.22
		. Ass	•
Location of Project	Description of Soil	Tested by	

Boome no.	on at	4	
Container no. (Cup)	282	328	
Wt, of cup + wet soil	8.3	55.94	
IWr. of cup + dry soil	<u>_</u>	A6.9c	
Wr. of cup		25.46	
Wr. of dry soil	26 83	44.67	
Wt. of water	40.58	404	
Water content, w%	57.4	ي. چين د	

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Doriog as		
בייוות מני		
Coarainer no. (cup)		
Wr. of cuo + wet soil		
W. 27.		
THE CHANGE OF THE		
Wr. of cup		
We, of dry soil		
Wr of water		-
, A		
ייייני כמוניתי איני	4	

## WATER CONTENT DETERMINATION

Date of Weighing Project BONG-NATH & CON PRINCE HOLDINGER MINNO Reddish Description of Soil Location of Project الدورجط فبر

Boring no.	77 30	27.80		
Container no. (cup)	ትሪን	639		
Wr. of cup + wet soil	77.34	58 37		
Wt. of cup + dry soil	43.53	45.59		
Wr. of cup	23 93	18.55		
Wr. of dry soil	£ 54	£.2		
Wi, of water	4.8	998		
Water content, w%	0.04	40.6		

Boring ao. Catainer ao. (cup) W. of cup + dry soi. W. of cup + dry soi. W. of up W. of up W. of dry soil W. of water			-				
7 20; 7 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20; 8 20;	0						
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	W. of cup a dec to.						
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	ייני. פו כמולי			† - ·     		;	. 4.
	Wr. of dry soil			-  -  -  -  -			
	W. of water				-		٠.
	0			5			
	ייייוניו נסתובחי איני				!		

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### WATER CONTENT DETERMINATION

Sare of W 1920ing \_\_\_\_\_\_ 10 . 6.99 Date of Festing Project BONZTON 4 CONPONED HYDROPOLER 100 No. Description of Soil Location of Project Tested by

Boring no.	Tr 80	02 et		
Container no. (cup)	43%	777		
Wt. of cup + wet soil	59.50	8.7%		
Wt. of cup + dry soil	48.02	52.37		
Wr. of cup	26.33	Larte		
Wt. of dry toil	27.09	32. 37		
Wr. of water	12. 23	42.99		
Water content, w%	2 7	ㅋ 0 건		

Sortage ao. Containere no. teup: Wi. of cup + wet soi: Wi. of cup + dry soi!	
Wr. of dry soil	
Wt. of water	
Water coateat, who	

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## WATER CONTENT DETERMINATION

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Location of Project					
Sescription of Soil	Reddish	hour	Description of Sail Reddivite brown wilty day.	in.	
reted by	na		Date of Testing	Date of Testing 9. 6.99	
		<u>د</u>	Surfair W. v. au.C.	64 9 01	

Boring no.	7.90 0.60	77 90	 	
Container no. (cup)	312	774		
Wt. of cup + wet soil	53.5	J.6.00		
Wr of cup + dry soil	45.93	41.78		
Wt. of cup	23.27	24.41		
Wt, of dry soil	22.66	17.67	   	
Wt. of water	42.8	7.22		
Water content, w%	41.0	602	 	

Boring no.	13 1 1 2		 				-
Coatainer no. (cup)							
Wt. of cup + wet soil							
Wi. of cup + dry soil							
We of cup		ŧ.					
Wr. of dry soil							
Wi, of water			<u>_</u>	1	 		
Water content, w%			 	   			
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Soils Terrup Laboratory

WATER CONTENT DETERMINATION

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bown	EG	l'ale
Reddich	16.9	•
Description of Soil	Tested by	
	Description of Soil Reddich Aronn. Clay	of Soil Reddich brown clay

Boring no.	77.90	17 91)			
Container no. (cup)	568	2/16			
Wr. of cup + wer soil	66 co	26.00			
Wr. of cup + dry soil	52.00	56.91			
Wt. of cup	28.77	24.30			
Wt. of dry soil	32.27	32,52			
Wt. of water	14.91	12.04			
Water content, w%	36.9	37.0		:	

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Boring ao.							
Costaiger po, (cup-							
Wt. of cup + wer soil	**					 	
Wt. of cup + dry son			_				
Wt. of cup						 	
Wt. of dry soil							
Wr. of water				}   	ļ		
Water content, w%						-	
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Sounthern General Investigation Enterprise Soils Testing Laboratory

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Project DONG NAM 4 COMPINED HYDRO POWER MINNS		Description of Soil Yellownish however electron	Mes.	
Project DONZe NZH	Location of Project	Description of Soil	Tested by	

Boring no.	70100	77 60		
Container no. (cup)	ksı	356		•
Wt. of cup + wet soil	6107	57.02		:
Wt. of cup + dry soil	50.08	40.03		
Wt. of cup	23 67	24.07	:	:
Wr. of dry soil	X7 22	26.43		
Wt. of water	£ \$	66.8		
Water content, w%	6.96	2,0		

			The second second		
Boring co.				 	
Coatainer no. (cup)		7 140 Te			
Wt. of cup + wet soil	3.0				
Wt. of cup + dry soil					
Wt. of cup					
Wt. of dry soil					
Wr. of water					
Water content, w%					

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## WATER CONTENT DETERMINATION

		ar space		
		15-20%	66 9 6	10, 6.99
300		with	esting	ghing
		clay	Date of Testing	Date of Weighing
OP POWER		workery	ļ	<b>.</b>
ת כפאושי משנים א		Raddish	44.	
Project Bong ran 4 contended Ayord Power	Location of Project	Description of Soil Raddicto howen clay with 45-00 how mand	Tested by	

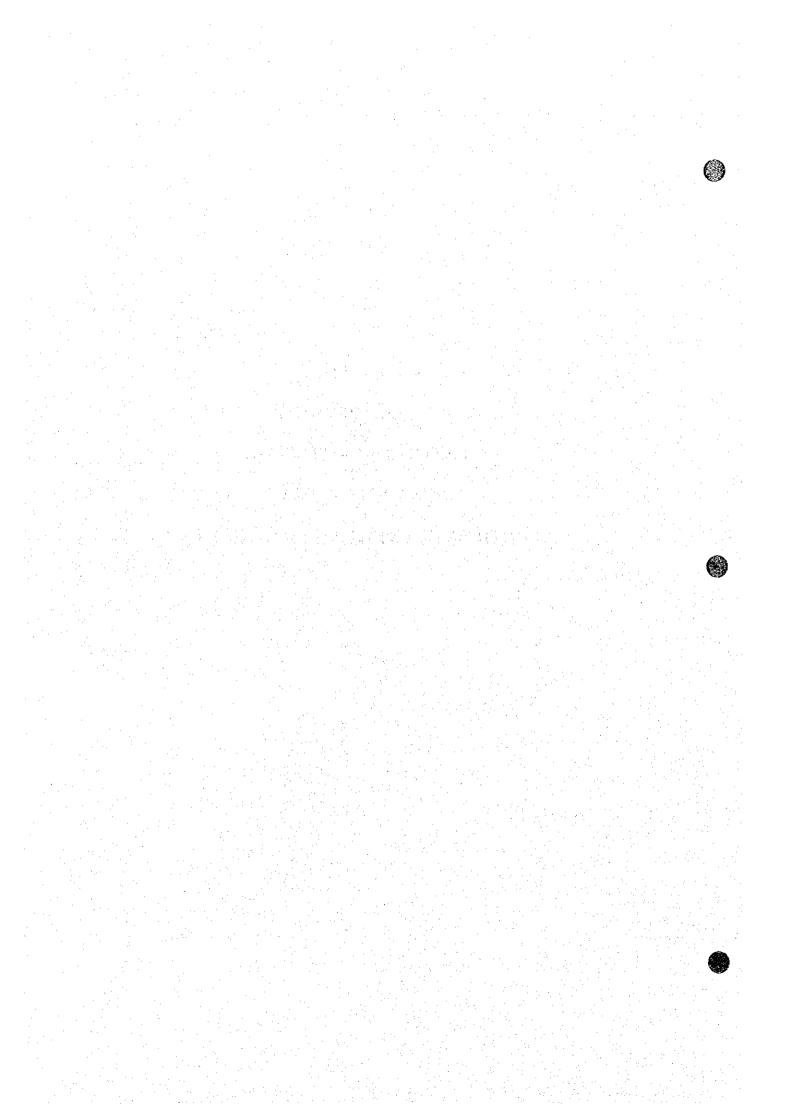
Boring av.	77 101)	TP 101)		
Container no. (cup)	_	387		
Wt. of cup + wet soil	2.3	64.37		
Wt. of cup + dry soil	7. 13	63. T		
Wr. of cup	<u> </u>	25.47		
Wr. of dry soil	33 58	34.42		
W. of water	کر جر جر	10.07		
Water content w%		70%		
	I			

Boring no.			
Coatainer no. (cup)			
Wr. of cup + wer soil			
Wr. of cup + dry soil			
We, of eup			
Wr. of dry sou			
Wr. of water			
Water content, w%			

#### **DATA 4.1.2**

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.4 DAM

PROCTOR COMPACTION TEST



Descript : Residual soil of Basalt :Reddish brown slifty sandy clay with laterit gravels Specific Gravity, Gs. (g/cm<sup>3</sup>); 2.946

Mold dimensions Diam.(cm); 10.30

Height (cm); 12.00

Vol. (cm); 12.00

No. of Layer: 3 Wt. of Rammer (KG); 2.5 COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY
(Method ASTM D698 - Procedure B) Test No : TP1

Project : Dong NA13 & 4 COMBINED HYDRO POWER PROJECT 28 8 1,498 g/cm ទ Š 6 8 4 4 **6** 5 Water content, w% 8 ဗ္ဗ ä 얾 - 106 b-នុ 88 4 % ୡ ន 9 9 Project . ដ ~ 1.700 999 1.58 3,400 1,300 1,200 ို့ 50 ò FESTED BY : TIEN & MY Dry unit weight, g/cm<sup>2</sup> Permeability K20°c cm/sec

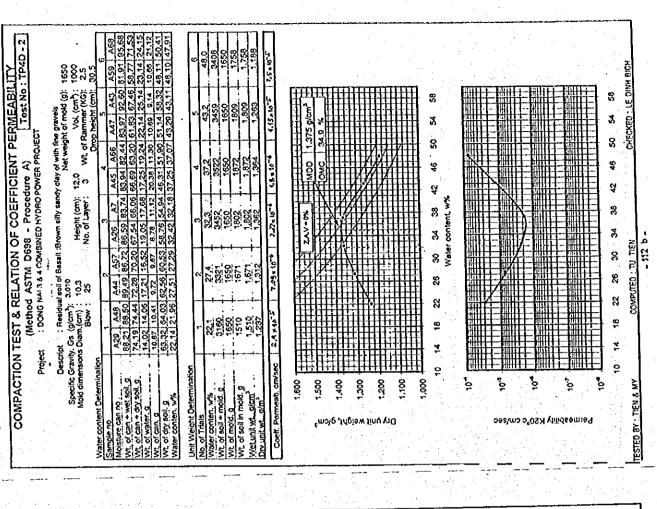
COEFFICIENT PERMEABILITY  Procedure A)	2 33.5 2 33.5 3 3.6 3 1.0 3 1.0	8 42 46 50 54 59 CHECKED : LE DINN BICH
TEST & RELATION OF (Method ASTM D698 - 1 CONG NAI 3 & 4 COMBINED TO SEE JUST 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Per 10.3 Pe	2030. 2030. 16500. 1440. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1740. 1	Water content
COMPACTION Project Specific Gravit Molet content Determination Sample no Moisture Can no. Wit of can + wet soil g. Wit of can + wet soil g. Wit of can + do soil, g. Wit of can g. Wit of can g.	On unit weight, g/cm <sup>2</sup>	TESTED BY THE SPINITY K20°C CM/sec

: TP2D - 2 1650 1600	20.5 A23 A4 A23 A4 65.23 67.02 17.25 18.36 27.21 21.92 45.02 46.00 40,10 39.91	6 40,0 3491 1650 1650 1,841 1,315 2,52,6 10*		OW RICH
ICIENT PERMEABILITY ower PROJECT clay of with fine gravels net weight of mold (g): 165 12.0	On Parimed (NO) On Parimed (NO) Ong height (CTI) 43,82,81,81,43, 22,82,83,83,83,83,83,83,83,83,83,83,83,83,83,	4 5 31,1 35.4 35.8 35.19 1650 1650 1859 1,869 1,450 1,390 4,0316 <sup>4</sup> 3,0316 <sup>7</sup>	MDD 1.455 g/cm <sup>3</sup> 1.455 g/cm <sup>3</sup> 4.6 50 54 58	42 46 50 54 58 CHECKEO: LE O
4 OF COEFF 698 - Proced MBINED HYDRO P II: Brown sity sand) Height (cm);	10, of Layer:	2.3.0 2.7.4 23.0 2.7.4 23.0 2.7.4 23.0 1650 1715 1647 1,3715 1,4847 1,394 5,68+8*	26 30 34 38 42 Water content, w%	8 30 34 38 4 30 W 116W
TES S	Blow 65.69 76.4 9.01 10.4 10.73 11.3 46.95 54.3 19.19 19.0	19.1 32.28 1850 1850 1.578 1.278 1.325	2 % % % % % % % % % % % % % % % % % % %	10 14 18 22 COMP
COMPACTION Project Locality Specific Gravity	Mode american  Waler content Determination  Molisture can ro  W. Of can * wet soil g.  W. of can * wet soil g.  W. of can * wet soil g.  W. of can g.	Feight O Trials Conten. Soil + mold, g soil in mold, g soil in mold, g with a soil in mold.	блу unit weight, g/cm³	Permeability K20°c cm/sec

BILITY	0: 1202-1	5): 1650 (5): 1650 (6): 2:5	1-1-1-1-1-1-1	48.7 332.9 332.9 172.9 1,72.9 1,72.9 1,72.9	<b>***</b>		E OTINH BICH
	Procedure A) Test No HYORO POWER PROJECT	y clay 12.0 3 Wt.	A42 A59 A47 A50 A47 A50 A50 A50 A50 A50 A50 A50 A50 A50 A50	28.0 248.5 248.5 1650 1650 1,835 1,797 1,835 1,797 1,835 1,797 1,835 1,797 1,835 1,797 1,835	MOD 1.326 g/cm³ MOD 37.3 %  MONC 37.3 %  MONC 37.3 %	3 3	CHECKED: 1.
RELATION OF COEF	M D698 -	2.905 Beseff :Brown sifty send 2.905 Height (cm): 25 No. of Layer :	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	V4 0 4 4 5 5	35 00 34	Water confert.	COMPUTED : TU TIEN - 107b -
TEST &	•	Descript : Residua Specific Gravity. Gs. (g/cm <sup>3</sup> ): Mold dimensions Diam.(cm) : Blow :	A3 A10 B 71.79 72.87 71.79 72.87 9.99 9.75 1.80 20.73 9.75 7.79 7.79 9.99 9.70 9.70 7.70 9.70 7.70 7.70 9.70 7.70 7.70 7.70 7.70 7.70 7.70 7.70	nation (ent (ent 1) 3 3 3 11 11 11 11 11 11 11 11 11 11 11	0.01	10 10 18 22	MY COW
COMPACTION		Specii Mold d	Content to Can a water, o	Unit Wester Determination Unit Wester Determination Unit Wester Determination Waster Content, who Wit, of soil + mold, g Wit, of soil + mold, g Wit, of soil + mold, g Wit, of soil + mold, g Westernit wit, g/cm Dovunitwit, g/m Coeff Permeab, cm/se	Dry unit weight, g/cm²	<b>Sermes</b> քրայի K2O <sub>s</sub> c cm/sec	TESTED BY TIEN & N

COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY  COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY  There is a conclusion of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10-4   10
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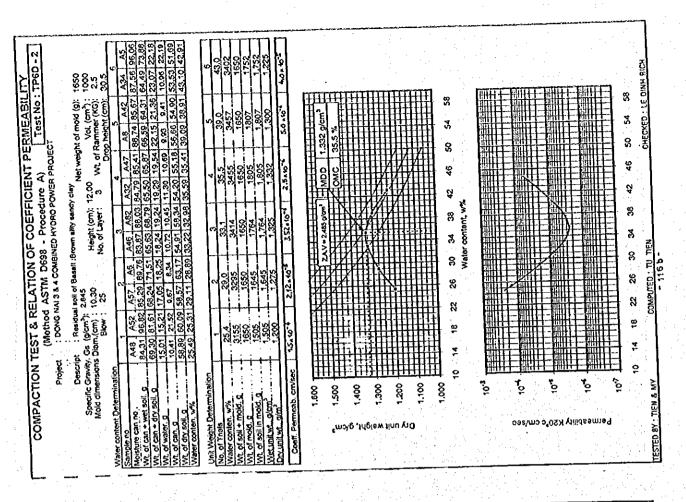
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ıw	ξ 2 3 m	A38 A 20,51 97 20,51 22 20,51 22 20,51 22 34,09 33	2000 1650 1650 1650 1650 1.382 5 1.38 16 4	M 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0 0 4 4 4
ال ال	L D698 - Procedure COMBINED HYDRO POWEI assit (Reddish brown silly sa Height (cm): 12,00 No. of Layer: 3	AZZ A49 AZT A40 76,07 80,61 77,67 75,04 14,07 15,02 20,65 19,85 14,07 15,02 20,65 19,85 54,94 59,16 68,56 66,43 25,61 25,39 30,12 29,89	30.00 1650 1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755 1.1755	28 32 36 Water content, w%	8 % % % % % % % % % % % % % % % % % % %
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Ψ	00°	A55 72.43 72.85 12.58 21.31 21.49	21.4 21.4 1650 1.487 1.225 1.225 1.225 1.225	12 16	ω ω
COMPACTION	Project Descrip Specific Gravity. Mold dimensions	Valer content Determination Sample no Molsture can no Molsture can no VAL of can + wet soil, 9, VAL of can + dry soil, 9, VAL of can, 6, VAL of can, 6, VAL of can, 6, VAL of can, 6, VAL of can, 6, VAL of can, 6, VAL of onen, w <sup>2</sup> %,	Part of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the seco	mot with weight, given	Permeability K20°c cm/sec
		Water content D Sample no Moisture can no Moisture can no Wit, of can + wel Wit, of can + div Wit, of can + div Wit, of can, div Water conten, s.	Unit Weight Wase or Trais Wase cont W. of soil in Wet your of soil in Court Pe		TESTED BY



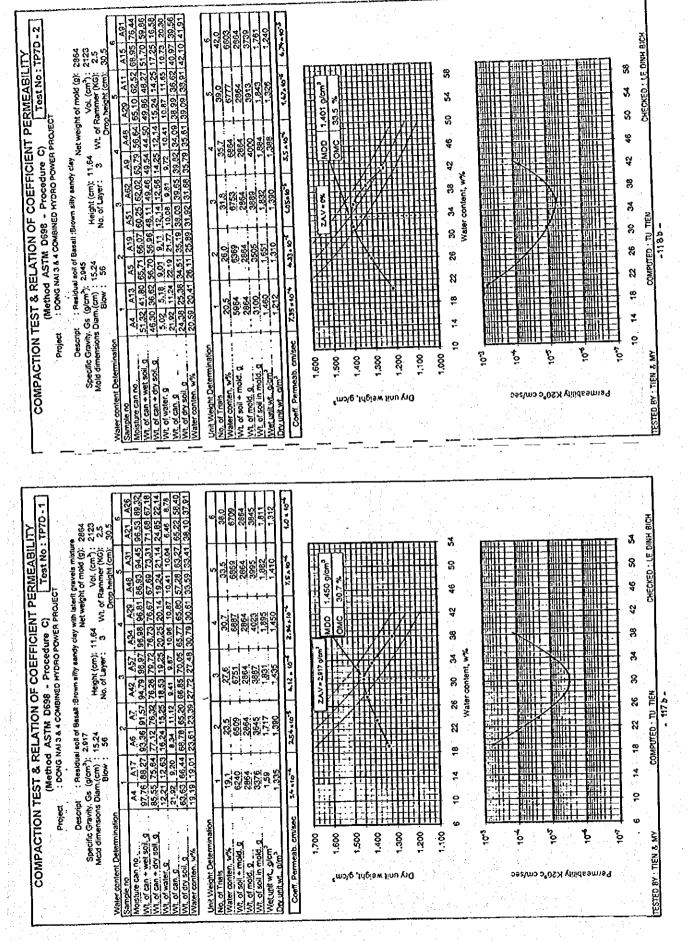
COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY
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COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY  Machod ASTM D698 - Procedure A) Test No : TPSD - 2	ED HYDRO POWER PROJECT was ally sandy clary of basts Net weight (cm); 12.0 b. of Layer; 3 Wt. of Ray 2 A 2 A 1 A 1 A A A A A A A A A A A A A	Unit Weight Determination 1 2 3 4 5 6 6 No. of Trials 20,4 2.5,8 32.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 38.0 42.9 47.5 47.5 47.5 47.5 47.5 47.5 47.5 47.5	 10 14 18 22 26 30 34 38 42 46 50 5 Water content; w%	10. 14. 18. 22. 26. 30. 34. 34. 46. 50. 54. 58	-1140-
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77	TP5D - 1	1650 1000 2.5 30.5	6 A 2 5 A 41 85 A 44	6 46.5 3335 1650 1685 1,685 1,150 1,150			DINH BICH
TI IIBVENEGEO	Test No	reight of mold (g): Vol. (cm³) : of Rammer (KG): Drop height (cm);	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2,5 42,5 3,43,1 172,1 1,78,1 1,260 1,260 1,260	37.0 % 37.0 % 37.0 %	95 63	HECKED : LE DI
d Translation		Dasaff Net w 12,00	1 1 4 7 7 7 7 7 7 3 7	4 37.8 3470 1650 1820 1.320 7.2 × 167	00 % % % % % % % % % % % % % % % % % %	84 82	
Į	28 - 38 - 38 - 38 - 38 - 38 - 38 - 38 -	ally sandy clay of Height (cm): No. of Layer :	2.2.2. 2.2.2. 2.2.3. 3.0.6.3. 4.2.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4. 3.3.4.	34.0 3392 1650 1742 1.300 1.300	V- 2899 00m <sup>3</sup> V- 2899 00m <sup>3</sup> S 40 44  Water content. W.*	0 0 4 4	8
i i	ASTIV AI3&4	al soif :Brown 2,899 10,30 25	A 8 8 4 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	200000	28 32 36 W. W. W. W. W. W. W. W. W. W. W. W. W.		UTED: TU
	TEST & (Methors)	Descript : Residuel Specific Gravity, Gs (g/cm²); Mold dimensions Diam.(cm) : Biow :	A23 A39 A27 83.01 64.87 92.03 6 12.58 17.81 72.85 6 12.58 13.06 19.24 1 22.7 13.06 19.24 1 48.22 50.41 62.25 4 46.22 55.91 30.91 3	1.50.6° 1	82 82	6 20 22 28	
	COMPACTION	Descript Specific Gravity. Mold dimensions	content Defermination e no e no can we can no can + wet soil, g water, g can + dy soil, g can + dy soil, g can + dy soil, g can + dy soil, g can + dy soil, g can - dy soil, g can - dy soil, g	abl Determination als niter, w/k niter, w/k ii e mold, g iii mold, g iii mold, g iii w glcm iii w glcm Yk olm?	88 88 88 88 88 88 88 88 88 88 88 88 88		TEN & MY
	8		Water content Determine to Sample no Moisture can no Will of can + wet soll Will of can + wet soll Will of water, g Will of can + of soll a Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Will of can - Wi	Unit Weight Determin No. of Trials Water conten. w% Wi. of soil + mod. g. Wi. of soil in mod. g. Wi. of soil in mod. g. Wet. unit wf. of soil Dry unit wf. of soil	Dγy unit weight, g/cm³	Permeability K20°c cm/sec	TESTED BY : T



COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY  (Method ASTM D698 - Procedure A)	00 00 00 00 00 00 00 00 00 00 00 00 00		\$
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Compaction   Test & Relation   OF Coefficient Permeability	MPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY   Chief the ASTM Desgs - Procedure A)   Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798    Test No. 1798								1
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(g/cm); 2.84. Height (cm); 12.00 W. of Rammer (KG); 10.30. No. of Layer; 3 W.L. of Rammer (KG); 12.00 W.D. of Pammer (KG);	Ago   A71   A88   A72   A68   A47   A20   A1   A3   A31   A28   A51   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52   A52	1,256   2,20,1 33,0 36,0 40,0 3,0 3,0 3,0 3,0 3,0 3,0 3,0 3,0 3,0	1,500 1,500 1,300 1,300 1,100 1,100 1,200 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	12 16 20 24 28 32 36 40 44 48 52 56 60	COMPUTED - TU TIEN CHECKED : LE CINC

: TP8D - 1	1650 1000 2.5 30.5	A78 A51 77.09 85.33 59.83 62.19 17.25 23.14 27.15 19.08 38.68 52.11 44.69 44.41	6 44.5 2406 1650 1.756 1.216 1.216			INK BICH
PERMEABILIT Test No : TE	andy clay Net weight of moid (g): 0 Vol. (cm²): Vvt. of Rammer (KG): Drop height (cm²)	A11 A52 83.01 76.81 62.77 15.69 10.024 15.69 11.65 21.55 51.12 39.66	5 39.5 3450 1650 1800 1.290 1.290	1.325 g/cm <sup>3</sup> 36.0 % 56 60 64		S6 60 64 CHECKED LE DINH
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ON OF COEFFICII D698 - Procedure OMBINED HYDRO POWE	Reddish brown : Height (cm): No. of Layer :	3 43 84.6 5.29 66.3 6.49 9.14 7.80 57.2 2.12 31.8	3 32.0 3350 1650 1700 1.288 1.288	2.280 g/gm²		16 40 44
ASTM ASTM	at soil of besalt 2,880 10,30 25	A67 A45 A 8 87.70 88.13 7 6 89.56 80.89 1 2 18.14 72.4 1 2 6.38 20.39 2 4 63.18 60.51 3 1 28.71 28.49 3	2.86. 28.6. 32.38 1.530 1.235 1.235 1.235	28 32 36 Water		28 32 36 COMPUTED : TU T
TEST & (Methot : Down	ript : Residua! N. Gs (g/cm <sup>2</sup> ): ns Diam.(cm) : Blow :	A64 A46. 80,16 82,18 66,53 68,16 13,63 14,02 14,10 10,72 55,43 57,44	1 24.5 3082 1650 1432 1,432 1,150 5,6410 5	2		20 24
COMPACTION Project	Descript Specific Gravity, I Mold dimensions ( Determination	100 (100 (100 (100 (100 (100 (100 (100	eab. cm/sec	1.500 1.300 1.300 1.300 1.300 1.300 1.300 1.300		16 N & MY
COM	N Nation material		Unit Weight Determination No. of Trials Water conten. w% Wit, of roals Wit, of soil = mold. g Wit, of soil in mole. g Wet unit wf. of cm? Doy unit wf. of m' Coeff. Permeab. cm/see	Dry unit weight, glom <sup>3</sup>	Permeability K20°c crivsec	ESTED BY : TIEN

COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY (Inchrod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Procedure A) (Riderhod ASTM DOSS - Riderhod A
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PERMEABILIT	Test No :	weight of mold (g): Vol. (cm <sup>3</sup> ): of Rammer (KG): Drop height (cm):	AB A42 6.22 80.90 8.64 62.01 7.58 18.89 9.93 9.41 18.71 52.60	5 36.0 3489 1650 1839 1,352 1,352	34.0.% 34.0.% 34.0.% 34.0.% 34.0.%		46 SO S4 CHECKED : LE DINH BICH
d TNEICIESEC	v	S S S	A32 A47 88.56 88.39 69.35 69.15 19.21 19.24 11.30 10.69 58.05 58.46	23.0 24.59 18.50 1.809 1.360	MMOD %		8 24
Į	98 - BINEO	:Brown slity eandy dlay Height (cm): 12,00 No. of Layer; 3	251.27 446 30.13 45.00	320.0 3296 1650 1736 1,335 1,335	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	) ; (i) (ii) (ii) (ii) (ii) (ii) (ii) (i	26 30 34 1 TIEN 121 b -
1000	ASTIV AI3&4	at soil of Besalt 2.842 10.30 25	2 A11 A49 89.23 82.09 73.12 88.58 16.11 12.51 16.14 49.13 26.21 25.99	2.26.1 3258 1650 1608 1,608 1,608 7,4916*			18 22 :
	(Methors)	escript : Residual ravity, Gs (g/cm²); isions Diam.(cm) : Blow :	A4 A30 87.10 73.22 75.09 61.83 12.01 11.29 21.82 11.55 53.17 50.39 22.59 22.41	22.5 3120 1650 1470 1,47 1,200		¢	10 14
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