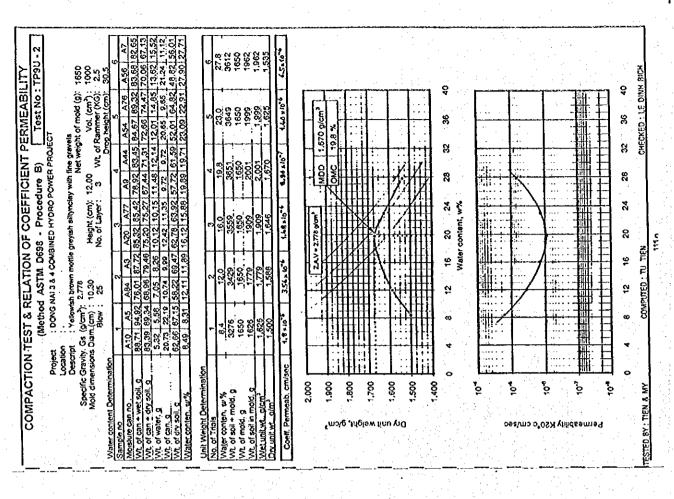
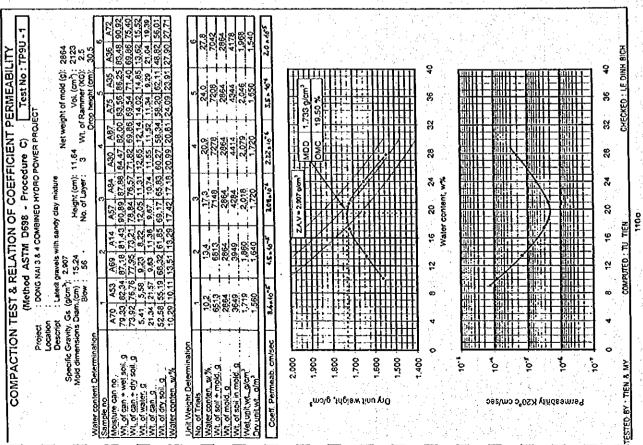
COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY Coefficient Coefficient Coefficient

Compact Comp
COMPACTIC Road dimension Sample no Road dimension Sample no Road dimension Water content Determination Wit, of can + west soil, g. wit, g.



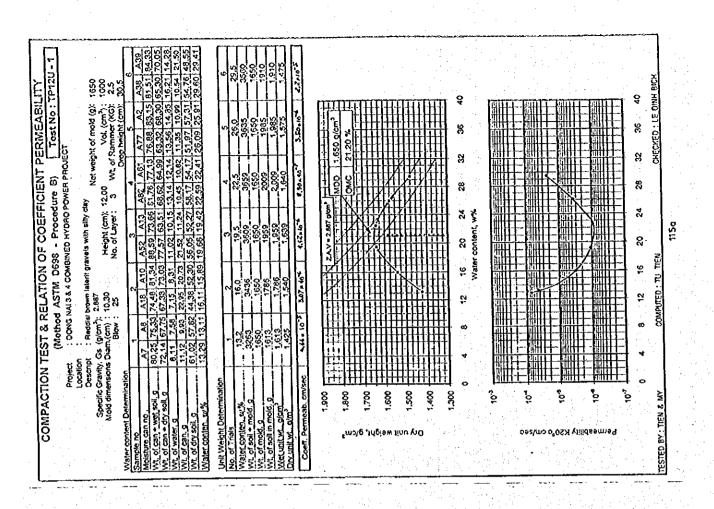


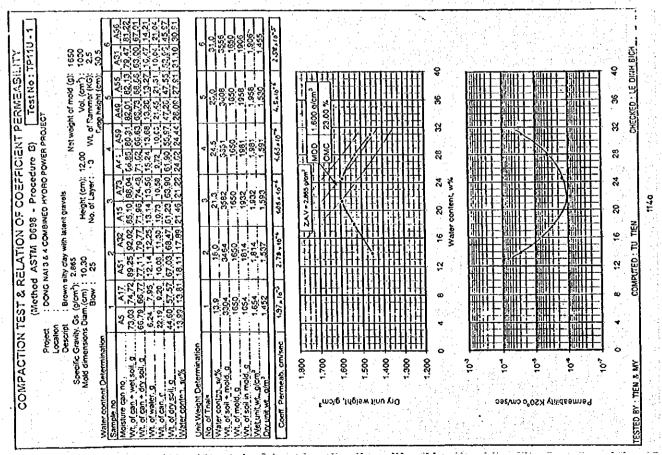
01.07 COMPACTION 1EST & RELATION OF COEFFICIENT PERMEABILITY (Method ASTM D698 - Procedure C) Test No : TP10U VVt. of Rammer (KG): Orgo height (cm): 3 Net weight of mold (g): 60.00 ន្ល ä 2.51 p.to Height (cm): No. of Layer: 16 20 24 Water content, w% 9 Specific Gravity, Gs (g/cm³): 2.919 Mod dimensions Diam.(cm): 15.24 Blow: 56 ŭ Project Location content Determination 1,500 2.000 1.900 1,800 1,700 1,600 3,00 2 င့ ို့ ပ္ခ် ընհ ույլ жәլննը՝ մկշալ Permeability K20°c cov/sec

COMPACTION TEST & RELATION OF COEFFICIENT PERMEABILITY

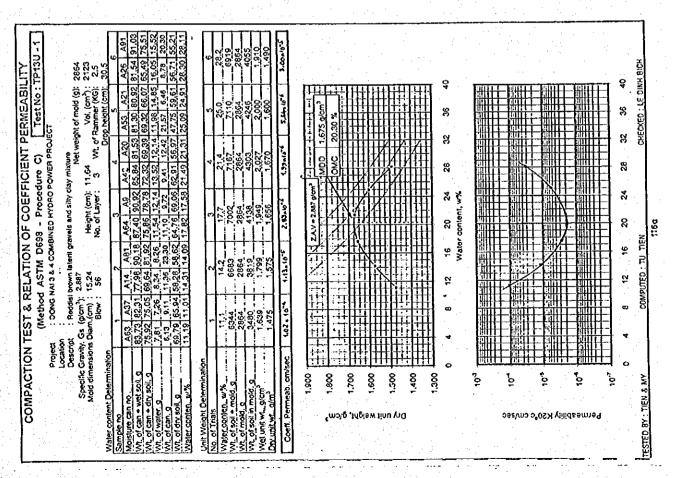
(Method ASTM D698 - Procedure C) Testine: 1770U-1 CHECKED - LE DINH BICH Wit. of Rammer (KG): Orog height (cm): Net weight of mold (g): 5.54×16-4 ဓ္တ (Method ASTM D698 - Procedure C) : DONG NAI 3.4 COMBINED HYDRO POWER PROJECT 엃 ន 2.2.15 8 ß Height (cm): No. of Layer: 16 20 24 Water content, w% Š ន 4 φ Specific Gravity, Gs. (g/cm³); 3.030 Mold dimensions Diam.(cm) : 15,24 Blow : 56 5.3 = 105 Project Location Descript Coeff. Permeab, cm/sec Wt. of water, g. 1,900 1.800 5,78 99. 1,500 400 Ď 5 8 <u>.</u> ဦ è of soil + mold, g Unit Weight Determ of dry soil, g ըւ**λ ոս**յք мөյծրլ՝ ծүշա_յ Permeability K20°c cm/sec

₹2





Method ASTM D638 - Procedure C Test No : TP13U-2	1,000 13.2 16.5 19.6 223.1 27.5	O A 8 12
COMPACTION Project Coatio Descrit Specific Gravity Mole dimensions With of can the test soil 9 W. of water, 9		Permeability K20°c cm/sec Permeability K20°c cm/sec TESTED 87 MA



DATA 4.1.1

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.3 DAM

PERMEABILITY TEST

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THI NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đối)

DONG NA! 3 M 4 COMBINED HYDROPOWER, Data of sample and apparatus:

TO 2 U-1
Diameter: 6.18cm; Area A : 30cm; Height L: 4cm

4.0 - 2.5 Location of sample: Depth:

Volume V: 120cm², Height of standpipe: 100cm Area of standpipe Q: 0.28cm²

Description of soil: Brown Laterit gravel some

Formule of calculcation :

Type of sample: Removided to standard compression result Date of testing:

300%	CHASec	Ą	Claylo	1	-
<u>~ </u> :		•	6,833		
ž.	(cm/sec)	4	4.68 ye		
, y	(cm/sec)	4.68,10	1.68	168	
pasdeta	t (sec)	120	2	\$	
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T.	D-h-m		>		
of W.L	H (cm)	103	103	Ģ	
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Time	<u>'</u>	-	~	~	
No of			Ψ.		
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Test &	3		28-4 28-4		
	Time Initial of W.L Final of W.L. Temp. etgosed K, K, K,	Time Initial of W.L. Final of W.L. Temp. (stapsed Kr.) Kr. (cm/ssc) Vr. (cm/ss	Time Initial of W.L. W D-h-m H ₁ (cm)	Time Initial of W.L. N D-h-m H. (cm) 4 - 403	of Time Initial of W.L. Final of W.L. Temp. 17 (am) a pred of W.L. 17

24.							ġ.	
, X	cm/sec	-	1.5/p.l()		200		cm/sec	•
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NAME OF THE OWNER O	(cm/sec)	,	165×10		Avenge	νč	(cm/sec)	
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Final of W.L.	H, (cm)	99	09	09	1711		H, (cm)	r.
Final	ě	42.2x	2	42		É	-4-0 -4-0	10.00
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Dry 1 Mr Wr	XN/m2		15.37		ě	Joh No Hill WT Stando	M/X	
Test & Dry No of			27.5	<u>. </u>	Test & Dry No of	4	3	

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H, (cm)	103	463	403		3	:	H, (cm)	8	1
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}		717-5	}		Test &	3	}		1214-K 15.1
	N* D-h-m M, (cm) D-h-m H, (cm)	N° D-h-m N, (cm) D-h-m N, (cm) °C ((sec) (cm/sec) (cm/sec) (cm/sec) 1.78 2 2 (cm/sec) 5 22 25 25 25 25 25 25 25 25 25 25 25 2	1 22 (combac) 103 244050 56 - 3000 784 - 7.814.6	N° D-h-m H, (cm) D-h-m H, (cm) "C 1 (sec) (cm/sec) (cm/sec) 1/30 2 2 4400 452 4450 5 55 55 5000 7381 - 7814 18	No Orbina (M. (cm.) Orbina (M. (cm.) °C 1 (sec.) (cm/dec.) (cm/dec	N° O-h-m (N, (cm) O-h-m (H, (cm)) \(\tau \) (cm\text{Sec}) \(\text{(cm\text{Sec})} \) \(\text{(cm\text{Sec})} \) \(\text{(cm\text{Sec})} \) \(\text{(cm\text{Sec})} \) \(\text{Sec} \)	Ne	Ne	Ne

COEFFICIENT OF PERMEABILITY TEST (Failing head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đối)

Diameter: 5.18cm; Area A: 30cm; "Neight L: 4cm Volume V : 120cm²; Height of standpipe : 100cm DONG NAI 3 44 COMBINED HYDROPOWER, Data of sample and apparatus :

TP 3U-1.

Oumeter: 5.18cm, Area A:30c Location of sample: Deptn :

Description of soil: Brown Laterick sympless

Area of standpipe C.: 0.28cm²

Formule of calculcation:

6 K₂₀c = K₁₇ cm/sec 주 위호 지간

Type of sample ; Remodiced to standard compression result Date of testing ;

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Average K _T	(Cm/Sec)	,	8,4,410			Average	ځ.	(cm/sec)	•	St. be			Average K.
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inebat o	P-4-0		>			lainat			25,400	450	450		Inibal of W.L
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No of			_	•		8	Stando			~			No or
ć ig	KN/m		14.51			á	The sale	Σ.	Ī	15,69			Š
# 1 1 1 1	}		304-4			1657 &	3	}	<u> </u>	304.2			
	Dry No of Time initial of W.L final of W.L Temp. Vime Coeff. Per. Average 777	Dry No of Time Time (with 0 W.L. Final of W.L. Temp. Time (alabed Kr. Kr. Kr. Time 0-b-m Nr. (cm) 0-b-m Nr.	Dry No of Time Time Initiat of W.L. Final of W.L. Final of W.L. Time Coeff. Per No. (cm) Coeff. Per No. (cm) Ar. (cm) D-h-m My (cm) D-h-m My (cm) Coeff. (cm/Sec) Coeff. (cm/Sec) XOV.m² 4 40-5 60 2-60 8.5-s-los 8.5-s-los	No or Time Initial of W.L Final of W.L Temp. Time Coeff. Per Stands Y.	Dry Unit W1. No of Time Time Initial of W1. Final of W1. Tomp. Time Cent. Per. Typ. Average Typ. 7/7 Typ. VOIL W1. Stando. N° D-h-m H ₁ (cm) T. (sec) (cm/Sec) (cm/Sec) 7/7 Typ. VOIL W2. 1 4 40.3 6.0 28 24.0 8,14.4 6,14.4 8,14.4 7,43.3 3.3	NO of Time Time (belia) of W.L. Final of W.L. Final of W.L. Time (cell) Final of W.L. Ti	NO of Time Inelta of W.L. Final of W.L. Temp. Time Time coeff. Per Parallel Stando. N° D-h-m H₁ (cm) D-h-m H₂ (cm) C (sec) Knasoc Knasoc 1 2 403 60 28 240 S.basio 1 3 403 60 28 240 S.basio No of mass and mass a	No of Time Initial of W.L Final of W.L Temp. Time Coeff. Per Standon No of the Coeff. Per Time Coeff. Per Time Coeff. Per Time Time Coeff. Per Time Time Coeff. Per Time Ti	No of Time Initial of W.L Final of W.L Temp. Time Coeff. Per Stando M. O-b-m Hy, (cm) The Coeff. Per Per	No of Time Initial of W.L Final of W.L Temp. Time Coeff. Per Stando No of Time Coeff. Per Coeff. P	No of Time Incitation W.L. Temp. Time Coeff. Per	No of Time Incitation W.L. Temp. Time Coeff. Per	No of Time Initial of W.L. Final of W.L. Temp. Time Coeff. Per Standon No of Time Coeff. Per Standon No of Time Coeff. Per Standon No of Time Time

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٠,	cm/sec)		A 370 0'						•	Ofmio	
Final of W.L. Temp. elabsed Kr. Xr. Xr.	N. D-h-m (H, (cm), D-h-m (H, (cm) °C; t (sec) (cm/sec) (cm/sec)	7200 432-10-6	7200 19330 143410 0,833 1.640	-:83		Soal of W.L. Temp. Time Cost, Per., Average	ž	N° D-h-m H, (cm) (D-h-m H, (cm) °C ((cm/sec) (cm/sec)	2200 (06 ato	2 - 1200 103 - 1400 835 - 7200 409 - 10640	- Y
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!₩!	£, (cm)	74	7.4	7.		T.W.		¥, (cm)	240	83.5	84.0
Final	Ę	2 Jane	1200	440		Se Se		E-4-0	25.52.00	4400	44.65
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}	, W.			E-4-0	E (CIII)	D-13-CI	N, (cm)	د	t (sec)	N° D-h-m H, (cm) D-h-m (N, (cm) °C t (sec) (cm/sec) (cm/sec)	(cm/sec)	- 1	cm/sec
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JOB NO UME WE STANDED.	KN/W,	Samon.	Ŀ	E C	¥. (Gm.)	F	H, (cm)	រួ	t (sec)	N Doth-m H, (cm) Doh-m H, (cm) °C ((sec) (cm/sec) (cm/sec)	(cm/sec)	7,30	CMASEC
			-	1 200m 40% 2045 575	10%	75.45	27.7		400	400 242 16"	\		
7-XIZ	2114-6 45.20	-	"	6,0	\$	25	714	28	out,	- 970 103 - 935 75 28 900 241 - 24240 0.833 205.65	242010	0.833	2,01,40.5
			~	2 - 46h 102 - 455 575	207	۲,	V		400 2.42	2.42			7

COEFFICIENT OF PERMEABILITY TEST (Failing head method) ~ THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đổi)

Diameter ; 6.18cm; Area A ; 30cm] "Height L : 4cm DONG NAT 3 A 4 COMBINED MYDRO POWER, Data of Sample and apparatus : TP40-1 Location of sample:

Description of soil: Brown laterist gravels county clay material 1.0 - 2.5 Copin:

Volume V: 120cm²; Height of standpipe: 100cm Area of standpipe a.: 0.28cm²

Formule of calculcation Type of sample: Remoutded to standard compression result

Kr - 21 Ln 1 & Krobe - K 1 cm See

ž Time Coeff, Per, ¥0.0€ Date of testing:

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S Isai

62 18 180 402 1.02.10 0.833 8.44.10 4,02.60 54.25 12.05 13.05 15.05 Day Fig 2 2 티존 4.82.10 (cm/sec) (cm/sec) t (sec) (cm/sec) (cm/sec) Coeff, Per. Average 1800 4,8300 1480 14021E 180 11.02 -1800 481 , time (<u>3</u> elapsed Temp. Snal of W.L. Temp. 18 800 101 18 415 B.O. D-h-m . H, (cm) H, (cm) 777 3 430 401 - 845 80.1 Final of W.L 0-h-m H, (cm) 0-h-m H; (cm) Je 800 402 407 Initial of W.L Initial of W.L 405 Ë Ě 5 Job No Unit Wt. Stands. Job No Unit Wit. Stands. ~ 401-15.27 401-216.13 - E Ž Yest & Dry

A 94, P. 10 CH/Sec Š Į **₹**| **₹** 100 102 - 15rp 725 26 7200 142 - 14240 t (sec) (cm/sec) 7200 1 SYLON 7200 1.42 Temp. | elapsed . Nº D-h-m | H, (cm) | D-h-m | H, (cm) > - 1500 to2 - 150 77.5 18 830 102 18 16 20 773 Final of W.L. Initial of W.L. Ē Test & Dry No of Job No Unit WT. Stando. 404-346.78 3 KN/H

7200 292 - 242x6 0,833 2,01 ple Š ÷ 2 (cm/sec) (cm/sec) (cm/sec) 720º 24 710-250 252 Initial of W.L. Final of W.L. Temp. 1300 402 -4600 64.0 -2 Han 1-R* D-h-m H, (cm) D-h-m H, (cm) ij. Hook Job No Unit Wil. Stando. 404457 KOK/m² est & Dry

Cal/Sec cm/sec 3.9,16 Š F 8 44 1800 ZZ - ZZ 0081 480 4.68 NO \$ 467.10° t (sec) | (cm/sec) | (cm/sec) Coeff. Per t (sec) (cm/sec) 1850 723.60 087 68x10 480 4 cmis 1800 7.22 elapsed 100 72. 28 Temp 22 25 S Š O-h-m H, (cm) D-h-m H₂ (cm) 18 900 102 19 550 .720 3 - 40 30 402 - 1100 72.0 First of W.C. D-h-m H, (cm) K₁ (cm) ŝ 103 103 Initial of W.L. E L Test & Dry No.ct Job No Unit Wt. Stando. ょ **参小公公** ò 404-6 44-44 , E/S KW/WX 1051

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter: 5,18cm; Area A: 30cm, Height L: 4cm Volume V : 120cm², Height of standpipe : 100cm doménaì 314 comeined hydropower data of sample and apparatus : $\mathsf{TPSU-4} \qquad \mathsf{Darmer:6.18cm;\ Area\ 4:30}$ Location of sample . Project :

Area of standpipe Ct.: 0.28cm 1.0 - 2.5

Formula of cakculcation : Description of soil: Redding. brown lithing groundle sandy

4- 11 14 8 Xxx - Xx - x 14 0m366 Type of sample: Remouded to standard compression result Date of testing :

60 ix . - 351,164 0,833 292,16 :|£ (CM/Sec) Falk 125: 02 1 (sec) { (cm/sec) 15.5 etapsed 3.4 28 D-h-m H, (cm) 200 58.5 Fraid of W.L. D-1-0 102 102 10 500 102 Initial of W.L Ě 2 Job Ho Unit Wt. Standp. 4,6 Š 22-1 Test &

3.93.10.5 ķ ı \$20...472 - 472mos t (sec) (cm/sec) (cm/sec) Coett, Per. | Average -420 43 x10 -Ĭime Final of W.L. Temp. 600 0 D-h-m : K- (cm) 9 83 6,0 O-h-m H, (cm) 20 \$ 3 Initial of W.L. Ē Test & Dry No of Job No Unit Wt. Standp. S 0 504-2 15,62 Ž. Test & Dry

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First of W.L.

Initial of W.L

Ē

1.86,16 - 4800 448 - 1.845 0.833. (cm/sec) (cm/sec) (cm/sec) 1800 4.183105 (COD 1.8) elapsed D-h-m ; H_p (cm) 9.95 0405-14 4 00 400 144 30 566 -330 100 - 60 56.6 -4080 160 - 4030 56.5 D-h-m . X. (cm) Job No : Unit Wit. Standp. 501-3 4642 , **

5,2,10 Š 5 5 3600 6.25.10-6. 6.25.10 Other It (cm) Driver 14 (cm) C (sec) (cm/sec) 3600 625 Temp, elapsed. 149 255 464 44 955 55.3 - 1030 162 -4130 55.8 - 930 103 - 1030 56.V Fraid W.L Initial of W.L Ě <u>.</u> JOB NO LINK WIL, Standp. Test & | Dry No of 4 8891 7-105 N/W

dr.com ţ = 2 14,46 Time , Coeff. Per., Average 1900 1.848108 1800 AMPLE 1800 4. 44.16° t (sec) (cm/sec) Final of W.L. Temp. 14 100 100 100 50. D-h-m H, (cm) D-h-m H, (cm) 120 100 - 1000 50 Initial of W.L. Time Standb. No 94 b Test & Dry Job No Unit WE JH-71-5-105 WW.

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Jemp.

Find o W.

Initial of W.L

Jime .

54.00 cm/sec £ £ 1.06,16 Coaff, Per (cm/sec) 200 1.0-200 10th 20 4.0 pesdeja (390) e E Temp. 2 O-h-m H, (cm) B Final of W.L. 3 4 O-h-m H, (cm) Initial of W.L. Ę Job No Unit WL Standp. 501-6 45.44

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đổi)

Diameter ; 6,18cm; Area A ; 30cm," Height L ; 4cm Volume V: 120cm2; Height of standpipe: 100cm DONG NAL 344 COMBINED MYDROPOWER Date of sample and apparatus: Area of standpipe a. : 0.28cm² **TPSU-2** Location of sample.

Formule of calculcation . Description of soil: Readding brown tatoist-gravele tearly that the misture Type of sample: Remoulded to standard compression result Oate of testing:

Kr - At H 2 & K200C - K 72 cm/20C

282 230 8.28 - 128 05 483 (3 NO) y X Cm/Sec ÷ ; (cm/sec) (cm/sec) Z28 8.34.405 (385) Temp H, (cm) δ TA S TOLL 0-h-m H, (cm) \$ 8 100 Initial of W.L. Ě ż Job No Unit Wt. Standp. 15.20 Š Š 502-1 Test &

102,10-5 CM/Sec Š ÷ 5 į 1550 1.2, 167 1.2,165 (cec) (currec) (chree) 20 22 100 100 824 60 -- 1560 12500 F 1560 14A pasdela Zemb. Dahan H, (cm) Snal of W.L. 900 102 | 326 1 61.5 856 60 D-h-m H, (cm) \$30,100 Initial of W.L. Time **8** Unit Wt. | Stando. ٦ χ. Έ 502-2 14.08 ò 8 8S 1881

3.10p.te Š ÷ | ÷ į 3.72,10 1200 372 3200 372,10° C (sec) (cm/sec) 7200 370 Temp. - 40 20 | 400 | - 4220 | 48.8 | 28" D-h-m H, (cm); O-h-m H, (cm) 2.30 100 1450 44.0 20-10-15T 48.8 Final of W.L. 201 31800 Intel of W.L Ę Job No : Unit Wit. Stando. No ca 'n 502-3 46.79 insi & Dry

19000 268 - 270 pt 6 4,833 225 pt 0-h-m [H, (cm)1 0-h-m H, (cm) "C 1 (sec) (cm/sec) (cm/sec) Time | Coeff. Per.: Average 3000 2000 Temp - 450 403 - 4525 Th. 28 Final of W.L. Initial of W.L Ě Job No Unit WIL Standp. 502-47.4 œ S fest & 1 Dry

3,11,510-3 De%/ED Š 4 6 540 3.74 - 3.7466 (cm/sec) - (cm/sec) Coeff. Per. 540 177.10-V 530 653 Jime Jime Temp. ı 0-11-m H, (cm) 4 43 m - 4430 5c0 HINE O W.L D-1-m H, (cm) 2010mg 402 3 Initial of W.L. ě Standp. Test & Dry No. 502-6 45,81

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter ; 6,18cm; Area A : 30cm; Neight L : 4cm Volume V : 120cm²; Height of standpipe : 100cm DONG NA! 344 CAMBINED AND DROPONIER Data of sample and apparatus : Location of sample: Project :

40-25

Septin .

Area of standpipe a: 0.28cm² Formule of calculcation:

Description of soil: Reddiel frown laterist grandle tambi

Kr. 21 Cm/2 6 X200 = X 17 Cm/200

Type of sample: Remoulded to standard compression result Care of testing :

86 223 Later 221410 4 0,833 484410 = 2 t (sec) { (cm/sec) | (cm/sec) Coeff. Per. 86 1222 JO ž pascele × .32 Jemp. 505 0 03 D-b-m N₂ (cm) First of W.L. 9 D-h-m H, (cm) Initial of W.L. ള ģ 8 ij. 4~ Job No Unit Wt. Standp. Test data 604-4133.64 Ž,W Š Test &

1.32.10 ١ Sol4822 - 122 aozt. -1200 1159 165 t (sec) (cm/sec) Coaff. Per. 1200 14.60 21 8 cm 100 14 820 60 ... D-th-m H, (cm) - \$20. 400 - \$50.60. 100 1 100 1 920 160 First of ₩.L D-h-m H, (cm) Initial of W.L. Ē 2 Job No Unit Wt. Standp. ~ È Ž 6W-2 15,4 Test &

7200 254.64 234.64 0.833 1.954.64 7200 2.21.10 (cet/up) (cet/sec) 1 : 3, 22cm 2.3kyla Zemb. N | D-h-m , H, (cm) | D-h-m , H, (cm) 21 210 102 12 DESC 55 Final of W.L 2) 0821 201 0801 5 300 102 - 1500 65 Initial of W.L Time No of Job No Unit Wt. | Standp. w KN/W λo 5.5 Test & T E

6.47.19 CM/Sec ž 12200 1440 - 481 x106 D-h-m H, (cm) °C ((sec) (cm/sec) (cm/sec) Time Coeff. Per. Average 7200 1.41x16 7200 440 1 2 5 101 2 105 77.0 28 Final of W.L. Temp. 15 m 427 055 (cm) X (cm) - 42 pro 102 Initial of W.L. 1020101 Twe Job No Unit Wt.; Stando. 4 6U1-4146.42 ZE/32 fest & Ory

4.00 14.8210-6 1 (cm/sec) 54.00 4.8 4.8 54.00 54.00 54.00 54.8 54.00 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.8 54.00 54.00 54.8 54.00 54.00 54.8 54.00 (cm/sec) Time Coeff Per (360) etapsed Final of W.L. | Temp. 13,000 102 - 1430; SI 1 21.100 302 41030 D-h-m H, (cm) Initial of W.L. 4 Time ż Job No Unit Wt. Standp. ĕ ¥ 601-515.69 EN/N 吝 Test &

A SECTION

Seon 6.13.40 4.13.40

ſ

20,500 1,400 20,401a 55.3

Ŋ

502-516.12

54,000. 4,1×15

cm/sec

C | 1 (sec) | (cm/sec) | (cm/sec)

pesdela

Seal of W.L. Temp.

Time i Initial of W.L.

Test & Dry No of Job No Unit Wt., Standp.

EN/NX

D-h-m H, (cm) D-h-m H, (cm)

5 2

207.10 720 2. 75 - 245 ro 47.5 CV Тешр. 123a D-h-m Hy (cm) Final of W.L. D-h-m | H, (cm) Initial of W.L. 8 ij ż Standp. Test & Dry Job No Unit Wt. E/XX 15:45 9-109

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đấu nước biến đổi)

Diameter: 6.18cm; Arez A: 30cm, "Height L: 4cm Volume V ; 120cm²; Height of standpipe : 100cm Data of sample and apparatus ? dong nat 3n4 continto hydrotometa. If P 6 U - 2Location of sample:

Area of standpipe a.: 0.28am² Formule of calculcation : Description of soil: Reddink brown laterist gravials during

Type of sample: Remodded to standard compression result

Date of testing :

Kr - 31 Lo 11 & K2000 - K170 cm/sec

12 MOT 46-105 4933 825-105 CH/Sec 26 gra dos 26 gra do 2 28 2400 8440 6 0,833 3.0400 ř ÷ 2 (28C) (cm/sec) (cm/sec)) (cm/sec) Temp. Hat of W.L First of W.L. 0-h-m . H, (cm) 5 Initial of W.L. Initial of W.L. Job No Unit Wt. Standb. Job No Unit WT. Standp. Test data KW/m à 502-4:424 _E/3

1410 ¥ (sec) . (cm/sec) Тетр Final of W.L. united of W.L. Ě 2 Job No Unit Wr. Standp. 102-3:16,55 3 CE/X 6 G 1051 &

0800 9,4 - 9.6/212 0,833 8,0x10 ÷ 5 Final of W.L. Temp. 0-t-m H, (cm) 26.800 103 26 Heat - 77.6 Initial of W.L. 0-h-m . H, (cm) Job No Unit Wit. Standp CEN/NO. 12-4 16.52 Š Test &

5 2 3.14 - 13.4500 (cm/sec) 1 (sec) | (cm/sec) 57.00 3.70 Final of W.L. | Temp. 7,16. 102 126.9 30 Jan. 41.7 D-h-m H, (cm) Initial of W.L - III Job No | Unit Wt. | Stando. SUZ-5/15,67 | 5 E/XX

600 3.36 - 234416 933 28x10 4 6 Temp. 1240 З Figst of W.L ડુ 403 Initial of W.L. ě No or Job No Unit Wt. Stando. ‡. Test & Dry Ē

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THI NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter ; 6.18cm; Area A ; 30cm, Height L ; 4cm Volume V: 120cm², Height of standpipe: 100cm DONG NAI 344 COMBINED HYDROPOUGR Data of sample and apparatus :
TP 7 U-1 Location of sample:

Area of standpipe a: 0.28cm² Location of soil: Light yellowid, modific, from Description of soil: Light yellowid, modific, from State, chap.

Type of sample: Remouded to standard compression result

Date of testing .

Formule of calculcation :

Sm/Sec Kr - 21 Cn 14 6 K20°C " K77

Kone cm/sec 4.05-ptb	Knoc cm/sec 1.6 x 10 -6	Kyade cm/sac Syulo	7.06 x 15	Kyec cm/sec 1,02,10	Kyec cm/sec 2,2/2/0
# 15 Kg 60	<i>≅</i> ⁸ 1	7. 8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	11 81 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6	£ 2 1	5 6 1
	Kr (cm/sec)	Avarage Kr (cm/sec) 4,02alo	Average Kr (cm/sec) C. q.48 ₃ lo	Average Xr (cm/sec) 1.22mlo	Kr (Cm/Sec) 2.45 p. 19
ğ 9 9	g (3) 49	Cost. Per.	Time Coeff, Per. elapsed (cm/2c) 72,070, 8,73 a 6* 72,070, 8,72	i (8) 4	Time Coeff, Per, Average Hapsed Y ₄ Kr (eac) (cm/Sec) (Cm/Sec) (2,252) 2,252,10 ⁻² 2,552,10 ⁻² 7,300, 2,652,10 ⁻²
Time Cont. 1 (sec) (cm, 4.8% 24.00 (4.8% 24.00 (4.8%	Time Costs t (sec) (cm 7200 (496 7200 (496	Time Cost (1 (sec) (cn 72 cr 1.07 72 cr 1.07 72 cr 1.07	(1980) 1 (200)	Time Coeff elapsed (cm 1 (sec) (cm 7200. 422 7200 422	Time elapsed t (sec) 72200 72000 72000 72000
Temp.	Temp.	Temp.	\$ P 8	Z S C	7 2 4 C
Hast of W.L. D-b-m Hy (cm) 14-febra 50.0 - (150 50.5 - 130-1 51.0	1015a1 of W.L. Final of W.L. Tel. 10-hm H. (cm) 0-hm H. (cm) 111.8.00.4615.44 40-0.204.24.1 120.40.40.00.4207.72.9.2 110.40.40.00.4207.72.9.2	Final of W.L. D-h-m., H ₁ (cm). Ay facta \$2.8 - 72.00 \$4.0	Final of W.L. 0-hm H. (cm) 14 (cm) 200 86-7 500 874	* (m) 2 6 8	Final of W.L. D-h-m H ₂ (cm) 1950 60,6 - 2000 60,6 - 2000 7250
W.L 467 48 462 48	1 1 1 (cm) 0 (cm		4 W.L 40.3 40.3 40.3	H, (cm) 402 403 403	1, (cm) 4, (cm
<u> </u>		·	1	10 2 11	<u> </u>
F 7 7 M] [F]]	7 7 K	ัฐ <u>ร</u> เ–โพพ	<u>*</u> ≥ -,73 m	1 2 1 2 K
No of Stando.	No of Standp.	No of Standp.	No of Standp.	No of Stando	Stando 4
Fest data No. Wr. XN/m³ 14, 46	Dry XN/m ² 14,83	Test & Ory Lob No Linit Wt. KNVm² TU1-3 45,39	Test & Ory Dob No Unit Wt. KNAM? U1-4, 15,53	Test & Ory Job No Linet WT. KNAM" TU1-5 14,80	Total & Dry Job No Unit Wr. KUKM ³ 7VH-6 13.72
152 So	Test & Dry Job Ho Unit Wr. XVI/m ² 7U4-214483	Test & Ory Job No Unit Wt. KN/m² 701-3 15.39	701-7	701-5	724.6 724.6
	- -				

602-2 45.54

COEFFICIENT OF PERMEABILITY TEST (Failing head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Dameter: 6.18cm; Area A: 30cm, Height L: 4cm DONG HA! 3 44 COMEINED HYDROPOWER, 0313 of sample and apparatus: TP70-2 Location of sample:

Volume V: 120cm3, Height of standbipe: 100cm 2.5 - 5.0 Sept.

Description of soil: 4 albenish a could methe related from area of standings at 10.28cm?

K+ = 21 Ln 14 & K20°C = K174 cm/sec Type of sample ; Remoulded to standard compression result Date of testing:

CM/Sec Š 5 5 t (sec) (cm/sec) (cm/sec) Temp. D-h-m H₂ (cm) Final of W.L. D-h-m H, (cm) Initial of W.L. Time 2 8 Test data KN/m3 Š 7 154

202.8 1800 324 10 1 384x 10 0,833, 8 20x 10 × <u>ا</u>يَّ i (fee 242 - 2.42 willed t (sec) (cm/sec) (cm/sec) 36.00 233 x15-6. 1800 12 52 řemp. D-b-m H₂ (cm) 100 E03 4040 20,7 35-13m 100 45-830 122 - 1330 top - 1900 622 4400 101 - 430 62.8 First of W.L. D-b-m 'K, (cm) -340 doz-15800 102 Initial of W.L. Ē ż Job No | Unit Wt. | Stands. No of bb No Unit Wt. Standp. 4 702-1 14.13 KN/M 72-248 ò

9000 100 1000 10000 0.833 855107 CHASEC ⊱ 9000 2000 (c : 1 (sec) . (cm/sec) 3000 1105 Final of W.L. Temp. 1400 799 N | D-h-m | H, (cm) | D-h-m | H, (cm) 45300 102 15430 79.8 - 45 To 800 430 407 Aug 103 Initial of W.L Ē Job No . Unit Wt. Standp. No of 102-3 45,44 Š € E/NY

3600 12:12

44 to 80.8

401 102

55x10-7 DEVES š í ÷ ′ç (cayed) (cm/sec) (cm/sec) (cm/sec) 9000 166246T 662416T Time Coeff. Per. Average 9000 6.62 NO 3 000 16.6x167 elapsed 1400 403 - 450 37.9 28 Imitial of W.L. | Final of W.L. | Temp. 45 900 402 45430 87.0 0-h-m H, (cm) Ĭį. k Noo Job No Unit Wt. Standp. 2 | 5:21 1-20, EN/A Test & . Dry

Cm/Sec 5 6 5 6 7200 1.32 10 132 10 T Coeff. Per., Averag (cm/sec) 7200 432.16 elapsed Te Ho Final of W.L. | Temp.) D-h-m H₂ (cm) D-11-m 14, (cm) 15.870 101 1550m 783 Final of W.L. 0-h-m H, (cm) 1200 400 0-h-m K, (cm) Initial of W.L Initial of W.L. 900 Time i i Job No | Unit Wt. | Standp. Job No Unit Wt. Standp. No o Š 02-54,75 χς/₃₂ Š È Test & Test &

COEFFICIENT OF PERMEABILITY TEST (Falling head mothod) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter: 6.18cm; Area A: 30cm; Height L: 4cm DONG NAI 3 KA COABINED HYDROPONER. Data of sample and apparatus: Project .

4.0 - 2.5 Location of sample:

Volume V : 120cm³; Height of standpipe : 100cm Area of standpipe a: 0.28cm²

Formule of calculcation : Description of soil: Light great mother yellow rendered Kr - At Lnt & K20°C - X 772 cm/sec

Type of sample: Remodded to standard compression result

Date of testing:

Test & Doy No dt Time Initial of W.L. Final of W.L. Temp Time Coeff. Per. Average 71 Kwee	-		Test data					.							
•		Test &	0 to 1	No of	Time	Initial o	. W.L.	Final o	t W.L	Temp.	Time		Average	÷ :	K A
		3	XX/m		ż	ę-i-3	H, (Cm)	Q-4-0	H, (cm)	p	(Sec)	(cm/sec)	(cw/sec)	R	cm/sec .
					~	, c. 6	101	45 830	200		3000	94.85	•		
11		g	15.4	1	~	١	3	B	60.0	×	3000	K.58.	944.19	8%	.5,4xtb
					~	1600	101	1405	60.0		See	6.48			
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	cm/sec	1.8x10-6	
÷	R	١	١
time Coett, Per. Average	(cm/sec)	2.62.10	
2001. 7. 7.	(cm/xec)	2,12,10	
Sime elapsed	9	5 5 5 E	
Temp	ب م	*	
Anat of W.L	D-h-m 14, (cm)	13.4.50 75.0 24.6 - 1230 74.6	
Test 3. Ory No of Time Initial of W.L. Anal of W.L. Temp. Stands. K. K. K. Temp. elapsed K. K. K.	D-1:-m H, (cm)	24. 25. 200 102 13. 13. 25. 0. 54. 5. 24. 24. 24. 24. 2. 24. 2. 24. 2. 2. 24. 2. 2. 24. 2. 2. 24. 2. 2. 24. 2. 2. 24. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	•
Jime	z	- ~~	
Stands.		~	
& Ory	, WAY	801-215.40 2	
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A.		cm/sec	٦	LADSON 8.83 16 " 5.83 10 " 0, 833 7.34 16"	
÷] =	R		, E,	
Average	×	(cm/sec)	1	\$ \$3.45 F	
Time Coeff, Per, Average	·	(sec) (cm/sec) (cm/sec)	20,580 23,50	8 83 to	8.81.0
Time	, pasdela	(2) -	10800	40805	40843
Temo.		ր		ı	
, M.L		K (Cm)	Ę.	K	2
Test & Dry No of Trans. Invital of W.1 Frost of W.L. Temp.		D-h-m N, (cm) D-h-m N, (cm) C	- 700 402 434000 79	- 4000 102 - 12m 73	-4300 407 - 400
3	•	(cm)	402	107	795
Figure		-	2	8	436
,		'n	_	~	M
Ş	Stando.		Ĺ	~	
È	Joh No. Unit Wt. Standb.	KN/m²		46.60	
Test &	Joh Ro		[L	801-246.60	
		· <u>·</u>	· .		

									,	True Chart Day Assertant	Acceptable		
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5	on No Italy W. Standa	Standa	Ě		E			4	elapsed	×	×	;	:
2	XN/m			ė	H (cm)	N D-h-m H, (cm) D-h-m H, (cm) C	H, (cm)	₽	t (sec)	t (sec) (cm/sec) (cm/sec)	(cm/sec)		CM/Sec
			-	7,00	107	13 700 102 12 mm 83.8	83.8		40 Coo! 6.79 x1	6.79.16-	,		7
2	801-515.51	Ŋ	~	Jam 402	124	5	120 83.8	ı	doxor-	0800 6.78 w 16.83 5 15 Mars	, orker	C53.9	7
				- 4200 102	Ş	- 4600 83.T	82.7		dosor	6.83.10			

Time Coeff. Per Average 77t Nape. elapsed Nr Nr Nr 77t Combec. 2467 \$5.46.10^6 70.00 Combec. 2467 \$5.40.10^6 70.00 Combec. 2467 \$5.40.10^6 70.00 Combec.	
1) (cm/sec) 772 (cm/sec) 772 20 20 20 20 20 20 20 20 20 2	
Average Kr. (Cm/Sec.)	
ू नियुष्	
K. K. (cm/ser (cm/ser) 2.0021	
Time Coeff. Per elapsed K ₁ 1 (sec) (cm/sec) 24c0 6.96.10 2.80 2.80 2.90 2.90 2.90 2.90 2.90 2.90 2.90 2.9	-
7 28 C	
W.L 65.2 65.0 65.0	1270
Time Initial of W.L. Fread of W.L. Temp. N. Dehram Kr. (cm) Dehram Hr. (cm) CC 1 4.5. (4.0m) 40.22. 43.45.06. 65.0 2 42.00 40.2. 43.42.0 65.0 3 - 44.00 (6.2. 49.42). 65.0	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Test & Doy No of Time Initial of W.L. Job No Lori W. Stando, Nr Dohim K. (cm) KN/m² KN/m² 1 15 400 402 8U4-6 44.57 4 2 4200 402 3 1 400 400	
Ti 2 ~ ~ ~ ~ ~	
No or Standp.	
Test & Doy No of XNIM ³ Standp. XNIM ³ Stand	
Test & Dry Job No Unit Wi. KNAM ³ 8U4-6 44.57	

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7.32,10

New 132 -

- 1030 63.7

702-6 44-02

SV.m

2400 7.3045

COEFFICIENT OF PERMEABILITY TEST (Failing head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter: 6,18cm; Area A: 30cm, Height L: 4cm Volume V : 120cm², Height of standpipe : 100cm Data of sample and apparatus: Area of standpipe Co.: 0.28cm DONG NA! 3 N.F. COMEINED MYDRO POWER TP 90-1 1.0 - 2.5 Location of sample . Depth .

Description of soil: Reddish brown laterist grands, remains

Formule of calculcation .

Type of sample: Removided to standard compression result

Date of testing ;

XT = 2L Ln H & X20°C = KTT CM/SEC

201x4.8 58.0. cm/sec ķ £ 2 28 200 1.0.46 Y 10.16 4 C | 1 (sec) | (cm/sec) | (cm/sec) 100 110 NOV 0.5.m . H, (cm) 90 8 First of W.L. D-h-m H, (cm) 103 δ. Υ Initial of W.C. ije. Job No | Unit Wt. | Standp. -901-1115,29 Š ઠે isi e

200 1.0

15.10 Cm/Sec 3 2 2 څ 1 900 118 - 1840 C ((sec) (cm/sec) (cm/sec) -900 A3 x10-5. Time Coeff, Per. pasdepa Temp. ر ا \$20 403 27-915 66.0 \$20 402 - \$35 66.0 0-4-0 Final of W.L 0-h-m 'H, (cm) Initial of W.L. 201-078-4-2 Time 'n Job No Unit Wit, Standp. No or Ü U1-2.16.08 XX/M Š 2 154

3,01,10,6 Sec/mo š ĺ 취후 3600 3.77×10 6 3.76×10 6 (cm/sec) 3600 3.Jalo (3ec) (cm/sec) 3600 3.74 1105 Ē passel jemp. ı 0-h-m , H, (cm); 0-h-m H, (cm) RESEA 402 22-900 Thy - 4000 74.S ton 403 - 4(0) 24.5 Real of W.L. 500 402 Initial of W.L. Time 2 No of Job No Unit Wr. Stando. Ą ક્રે Ž. 3875K-106

0,833 2,72,510 ķ 27202 275 - 267.00 7 1 (sec) (cm/sec) (cm/sec) 720.0 6 Time Coeff, Per., Average Fruid W.L. Temp. N* D-h-m H, (cm): D-h-m H, (cm) 23- 800 103 127-1000 - 61.01 1200 His -500 tos 1-1501 4.4 Initial of W.L - 4000 403 Ě Job No Unit WT. Standp. Nog 4 2877 下706 Cm/MX ξ Test &

55040 CM/SRC ca/sec Š 5 6 5 5 2400 (66.10 2 66.0 TO WAS 660 2.42.65 242.65 0 (cm/sec) Coeff, Per. Coeff, Per. 2400 66-15 (585) elapsed (36 (3) pasce Temp. e de | 26 11.7 0-h-m H₂ (cm) 22-3 co. 103 22-346 624 - 1030 103 - 440 625 Time I Initial of W.L. ; Final of W.L. 450 403 1-4030 624 Final of W.L. D-1-m H; (cm) D-h-m H, (cm) 102 Initial of W.L. Time 5 Unit Wt. Standp. Job No Unit Wt. Standp. S S 8 301-5146.18 5 Š Dry Test & 是会 Test

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter: 6.18cm; Area A: 30cm? Height L: 4cm Volume V : 120cm²; Height of standpipe : 100cm DONG HAI 3 KH COMBINED NYOROPOWER DEED OF SAMPHE and appealaus: TP 90-2 Location of sample :

Description of soil: yellowing brown against Silty clary Oepth .

Area of standpipe Ct. : 0.28cm² Formule of calculcation :

Type of sample: Remoulded to standard compression result Date of testing:

Kr - 12 Lot 1 & Kroc - Kr cm/sec

2.8x8.7 5840 CM/Sec ÷ % (cm/sec) t (sec) (cm/sec) 900 2.64.67 elapsed ŝ Temp. 35 40,6 28 D-h-m Hy (cm) 102 | 218 21 | SOL | 008.01. -1 - 400 102 - 1015 60.6 Final of W.L. D-h-m H, (cm) 501.05 Initial of W.L. Ę 'n Noor Job No Unit Wt. | Standp. 902-li 14.7 Test cata કે Ž. Test &

ने प्र cm/sec ÷ | 5 3600 4.3 - 4.3 × 0 t (sec) (cm/sec) 3620 4.2×10-6 Time Costl. Per. Temp. 0-h-m : H₂ (cm) Final of W.L. 100m | 102 |- 1100 | 67.5 D-h-m H, (cm) Initial of W.L. iji Job No Unit WI. Standp. ¥9.0¢ Ä 902-2 15.57 Ž. ŝ 1651 6

4.4840 CHASEC ř 5 5 7200 178 - 1.78×10 7200 135×10-4 'C 1 (sec) (cm/sec) 7200 478 Temp elapsed 3.8 N D-h-m ; H, (cm); D-h-m ; H, (cm) - 1250 403 1- 4850 73.0 16 tota 72.8 - 1240 73 0 First of W.L. 16 840 102 - 1040 -403 Initial of W.L ī. Standb. Test & Dry No of m 902-3 16.44 Job No i Unit Wi. KN/W

0,833 £8,167 ş ÷ | £ 2007 - 201 4002 (cm/sec) Time Coeff, Per. Average Ne Dehen N. (cm) Dehen Ne (cm) . *C 1 (sec) (cm/sec) 7200. : 4,08,16-6. 70.5 elapsed . Temp, 116 840 162 16 10to 82.8 240 23 - 450 33 Final of W.L Initial of W.L. -100 002-250/103 iii. No of Job No Unit Wt. Stande. 902-4 16.37 4 <u>چ</u> Test & 1 Dry

cm/sec : | £ t (sec) | (cm/sec) | -(cm/sec) * 1.68,45 Time Coeff Per. 22.00 pasdina 2000 72.00 Final of W.L. Temp. ب 10 sto 103 4 1040 74.5 28 D-N-cm (M2 (Cm) 242 GN - 603 0521 initial of W.L. O-P-m H, (cm) वं ű Test & Dry No of Job Ho Unit Wt. Slando. Ŋ 902-5145,43 100

6,540 Š ij F 2 3600 282 282 0055 t (sec) | (cm/sec) | (cm/sec) 3600 76 x 10-6 Coeff, Per. 34.00 7.7º jime Temp. ب 0-1-m 14, (cm) 43 cm 402 - 4500 48 Final of W.L 16.12.00 102 14.33.00 48 400 102 - 1500 D-tr-m H, (cm) Initial of W.L. Time Standb \$ \$ 902-6 15,05 Job No Unit WL Test & Dry KN/m

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3v1-6 15.10

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A - 362

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp dấu nước biển đối)

Diameter ; 6,18cm; Area A ; 30cm; Height L ; 4cm DONGNAL 3 x 4 COMBINED HYDROPHIER Gais of sample and apparatus : TP 10U-1

Volume V : 120cm³; Height of standpipe : 100cm 4.0 - 2.5 Location of sample :

Description of 3011: Raddish brown laterist gravest tendy was of standage a. 1.0.28cm?

Type of sample: Remoulded to standard compression result Cate of testing:

Kr = 21 LnH & K20°C = KnT Cm/Sec

Date of testing:

2.833 5.3 NO CB/Sec Ť. ~| <u>~</u> 300 6.35 - 6.35.16 . 300 634 10 S t (sec) (cm/sec) Pasgel Temp D-h-m H₂ (cm) Ų 60.0 0.98 Final of W.L O-h-m H, (cm) Ê ŝ ţ Initial of W.L. Tine. ż Job No Unit Wt. Stando. No of Test Gala Yest & Dry 10U1-115.02 Š

7.0,10 Cm/Sec ž ¥ 1 <u>ج</u> °C ((sec) (cm/sec) (cm/sec) 1200 ext. - 8.4.0 -4200_8.84×10-4 1200 18:40 Time Stral of W.L. Temp. - 850 101 - 910 770 28 0-h-m H, (cm) 0-h-m H, (cm) 22.830, 101 22.850 77.0. Initial of W.L Ě 'n No of Job No ! Unit Wt. | Standp. N ŒĮ. 201-2-10 È iest d

2.9.2.6 CM/Sec ž £ 2 1 1020 72.0 28 3600 3.50 3.50 10 "C ; t (sec) (cm/sec) (cm/sec) 3400 3.4846 C 3600 13.56 Temp. | elapsed ě D-h-m ; H, (cm) | D-h-m H₂ (cm) -40% 401 1-430 72.D 2515 40T 229K 72.2 Final of W.L -920 101 Initial of W.L ٠, ë Job No Unit Wr. Standp. est & Dry No of 'n P4-346-49

7200 1264 x6 264406 0,833 2240-6 8 Š = = 0.hm i4 (cm); 0.hm % (cm); "C | t (sec) (cm/sec) | (cm/sec) Time Coeff, Par. Average Final of W.L. Temp. slapsed ı 6.56 | cast 12.245 40KS 22.4KS 61,01 Initial of W.L. - 1300 103.0 <u>.</u> No of I Job No Unit Wt.: Standp. SN/m² 2.31 -100 Test & . Dry

156164 CHASEC 7 2 2 16.65 | 6.65 | 6.65 x 15 6 | t (sec) | (cm/sec) | (cm/sec) Time Coeff, Per. 14800 6.60,16 1800 6.65 elapsed ; Shall of W.L. | Temp. D-h-m H, (cm) 22.9% 402 12.600 142 43.00 102 1- 1130 740 D-h-m H, (cm) Initial of W.L Time -'n Job No Unit Wt., Standp. ş n 25.8k-5-100 Š est

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đổi)

Diameter: 6,18cm; Area A: 30cm," Height L: 4cm Dong-NAI 3 a μ coardings hydrofour? Daneth : 3μ 40 U – 1Cocation of sample:

Volume V: 120cm³, Height of standpipe: 100cm 4.0 - 2.5

Depth .

Area of standpipe a: 0.28cm² Formule of calculcation ; Description of soil: Raddick brown laterist games family

Type of sample: Remodided to standard compression result

300 K35 - 635,40 60.833 5,3,40 5 ř ÷ % t (sec) (cm/sec) 300 ... 6.31en10 pasdele 60.0 28 Temp. ų R 0-b-m K, (cm) Final of W.L. D-h-m H, (cm) ğ ŝ Initial of W.C. E S No of Job No | Unit Wt. | Stando. 1001-115.02 W/NX Test & Dry

7.0.10-6 Š i £ 8 \$40 The 28 4200 Care " Ether "C 't (sec) ' (cm/sec) -5202_18,44×10-6. 4500 18:40 Time elapsed Temp. 0.h-m H, (cm) 0.h-m H, (cm) 22 838 101 22 858 .. 12.0 . Final of W.L 3 - 920 101 - 940 77.0 Initial of W.L. č 2 Se se ! Unit W.L. Stands. ~ OUX-2146.65 Ž, Test & Dry

2.9246 ţ ì 5 5 3600 3.50 - 3.50 do "C t (sec) (cm/sec) (cm/sec) 3600 3.5546 C 3600 13.50 Temp. | elapsed : 0-6-m , H, (cm) 0-6-m , H, (cm) 0.2/ 0/0 -40 80 401 - 4130 72.D 22 72 2 Final of W.L 2865 150 2 -920 101 Initial of W.L. ime Job No - Unit Wt. - Slandp. rest & Dry No of KN/m2 001-346.49

283 22+10-6 Š 5 5 7200 2.62 - 26440 D-h-m [H, (cm) D-h-m . H, (cm); "C . ((sec) , (cm/sec) , (cm/sec) Time Coeff, Per, Average 72000 1264 x166. Temp. elapsed Xv 101.0 1270 60.5 = 2 845 4045 22 far5 64,01 Initial of W.L. . Final of W.L. 1300 103.0 ě δ S JOB NO CURT WL. ζE/γ 21.34 7-100 lest & . Ory

9xx16 5 £ 2 3 61 23 9 1800 6.60,606 1800 665 - 6 Coeff Per (cm/sec) elapsed (Sec.) Time Initial of W.L. | Final of W.L. | Temp. 0-h-m 14, (cm) 4500 402 - 430 740 22.930 .402 . Latore 74.2 D-h-m H, (cm) Ē Test & Dry No of Job No Unit Wt. Standp. 'n KN/m 1001-546.26

2.450 ķ 5 6 660 2.88 = 28546 Time Coeff Per 1 (sec) (cm/sec) 610 2. CC 3/5 elapsed Temp, ۲ 28 0-7-m H, (cm) Final of W.L. D-h-m H, (cm) (m ğ Initial of W.L. > ĭ, ક Standp. 1001-6/15.20 Job No Unit WT. E/NX કે Yest &

Cm/Sec

(cm/sec) Average

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Coest, Per. t (sec) (cm/sec) 110 2.88 x 18"

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O-th-m H₂ (cm)

0-11-m H, (cm)

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Temp.

final of W.L

Initial of W.L

Time

No of

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Job No Unit Wt. Standp.

5003-6 15, 26

- 2,4×60.

660 2.88 = 2554.03

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1304

A - 363

COEFFICIENT OF PERMEABILITY TEST (Falling head mothod) THI NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đôi)

Diameter: 6.18cm; Area A: 30cm, "Height L: 4cm Volume V: 120cm²; Height of standpipe: 100cm Project: DONG KAI 3COM BINED MYDROPOYGROUIS of sample and apparatus:

Location of sample: TP 41 U - 1

Diameter: 6.18cm, Aria A : 30c

Description of soil : Brown silty clay with gravels

Area of standples C.: 0.28cm²

KT - 21 LN - 4 Kyoc - KTT cm/sec

Date of testing:

Type of sample : Remoulded to standard compression result Date of testing : Test data

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¥.	CM/Sec	220 237.62 J	9.5			ž Š	cm/sec	- 3500 336/103 3 255 74.5+ 3500 336/10 3	, oxo, 1.
= 2	3		3			7,7 Kage	<u>R</u>	•	\$\$3\¢
¥	(cm/sec)	Y	277.5		1000	K.	(cm/sec)	Y	3,50
etapsed Kr Kr	Nº D-h-m H, (cm) D-h-m H ₂ (cm) TC 1 (sec) (cm/sec)	237.165	- 22	25.7	7.0	lithe Coeff, Fer. Average	D-h-m H, (cm) D-h-m H, (cm) "C ((sec) (cm/sec) (cm/sec)	3,36,16	333
etapsed	1 (500)	Š	720	320 25	ļ		(360)	3500	3600
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Final of W.L	H, (cm)	7 Jam 124 7 26 12 64	Ų	y		Final of W.L. Temp.	. H, (cm)	74.5	5.740
For	D-1-0	3 45 5				<u> </u>	Ω-'n-π	₹4	- 102
or W.L	H, (cm)	χř	(02	3		Time Initial of W.L.	H, (cm)	103	767
Test & Dry No of Time Initial of W.L.	ě	7 677				Initial	Q-4-0	345	475
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No of Cranch			44.23			S O	Job No Unit Wt. Standp.		45.07
00y	KN/M		~	,		ક	Company of the compan		~
7e51 &	3		405-4 4 44.23			Test & Dry No of	운 왕	<u> </u>	44.03-2

Test 8 Dry No of Time Initial of W.L. Final of W.L. Time continue Continue 11 Kome	ĺ	ľ					100		
1 2 CO 100 100 100 100 100 100 100 100 100 10	2 5	i i	Initial of W.L.	Final of W.L	Temp.	Time elapsed	Coell, Per. Avera	<u>∻ </u> å	X.
401-3 3 45,62 2 4000 402 70,00 28 4000 135,00 - 108,10 -	·	ż	D-h-m H, (cm)	0-h-m H ₂ (cm)	2	(S)	(cm/sec) (cm/s	€ •	cultec
2 2 46m 162 4550 70,0 28 40,200 484 466 6 108 108	Г	-	70h mox	M045 720		4100	1.7.40	4	4
3 - 4400 102 1645 725 3900 100 -	7	~	103	43.50 70.0	న	65.0	484 - 49x	ا <u>و</u>	1082
		~	700 0027	Szz 549)		3300	42		

201-3 16.10

4.55			۲.	_
112 Kare	Seveno .	4.	*	
÷ -	1		ı	
Average	(cm/sec)	1	e Sylp	
Time Coatt Per. Average	(cm/sec)	7200 4.12.16	13-	- 55
Irme C	(Sec)	2002	Kaa	7800 4.95
Temp.	မှ		ន	
Test & Dry , No of Time initial of W.L Final of W.L Temp.	O-h-m H ₁ (cm) O-h-m H ₂ (cm) °C 1 (sec) (cm/sec) (cm/sec)	2800 103 3-1000 740	4000 402 42.00 615 28 7500 613 45x10 - 100 Apr	13 00 10 3 4510 68.5
itial of W.L.	-m H, (cm)	20 103	50 502	00 403
 2		24		
Ĕ	. Z	-	7	[.]
No of Stando			75.	
Test 8. Dry No of Job No Unit Wt. Stando.	OC/Pu	 	301-4 4 NS to 2	
8	_		7 3	_

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	Ì				N* D-h-m H, (cm) D-h-m H, (cm) °C 1 (sec)	H, (CIII)	₽-4-O	K (cm)	ដូ	1 (sec)	(cm/sec)	(cm/sec)	2	28/65	
. •				-	7 01 102 2945 48.6	,5,	7445	707		3,000	3600 St. 10-4	•		٦	
	MIN		70	j	COLUMN TO THE PARTY OF THE PART	3	122 12.6. 128	3	8	2002	3600 CCVID-0 5,450 6	9 97 13	î	- 0KS)#	
		n —	2	Ţ	- 20/	3	7 B 767	è		8	3000 53 665				
	ŀ	į	1							90	Time Coeff, Per. Average	Average	_	3	
	Test & Dry No G	<u>ح</u>	B .	E		Initial of W.L.	S TUS	Shall of W.L. Temp.		elansed	32	Σź	<u>: </u>	2	
	ş	Job No Unit Wt. Standp.	Standb.					I	,		1	10-11-11	8	Deviet-	
'n,		E/X	-		Nº D-h-m H, (cm) D-h-m H, (cm) C	ř.	-	œ Ł	۲	3	(Sec) (cm/sec)	(CIIII)	T	T	
				-	<u>چ</u>	Š	74 to 101 3450 624	. 79		100	100 3.0x0-5			1	Ċ
٠	1000	•	77.77	١,	9 00 100	Š	١	67.0	న	205	100 28 600 34 51,400 0, 352 2,5540	5,00		e K	. `
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COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đổi)

Diameter: 6.18cm; Area A: 30cm; Height L: 4cm Volume V : 120cm²; Helght of standpipe : 100cm DONG UN! 3nf CANBINCO HYORDPOWIER, Data of sample and apparatus : Sample: TP 12 U-1 Diameter: 5.18cm, Ares A:300

Location of sample:

pescription of soil: Tellowing redding silly clay with

Area of standpize $lpha: 0.28cm^2$ Type of sample: Remodded to standard compression result

	3						1	T. T. Cook Dec Averson	Average		
	Test & Ony	No or	Time	No of Time Initial of W.C.	Final of W.L. Temp.	Temp.	pascela	. x	ž	اء	ķ
	, (e/X	Job No Unit WC Standp.	<u> </u>	D-h-m H, (cm)	D-h-m H, (cm) D-h-m H, (cm) C t (sec) (cm/sec) (cm/sec)	ပူ	(Sec)	(cm/sec)	(cm/sec)	× .	cm/sec
1 -			Ŀ	501 A00	99		360	5.646.5	٠٠٠		١.
-	1211-1 1393 1	_		403	09 -	87	360	Y	5,6x10-7.	4837	155 SERIO - 4537 464467
	:		_	402	09		35	y			

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A.	cm/sec	1	94 64.			X X	1
:[ع	2	. 1			١	∻	2.7
Awrage A	(cm/sec)	Y	Second		1	,	1
3	(cm/kec)	3.72,16	368	358	, ,	lime Control Average 277	ž -
Time	(<u>X</u>	ğ	8	Ş			DX.
Тетр.	υ.	-	8			d E	
Final of W.L. Temb. Flanced Kr. Kr.	0-4-0	10.24 S.O.	21.5	430 34		Shall of W.L. Temp. Lime Local, Per. Average	
Test & Dry No of Time Initial of W.L.	N D-h-m H, (cm) D-h-m : H, (cm) T ((soc) (cm/sec) (cm/sec)	\$ 830 403	430 402	3 4520 402 -4130 2,4 3600 368-		Test & Dry No of Time Initial of W.L.	
ij.	<u>₹</u>		7	4		Ē	
Noor	organop.		~			8 9	Standb.
ολ	JOS NO LONT WILL SURROY.		S,			Š	Job No . Unit Wt. : Standb. i
est &	<u>2</u>		4204-2			Test &	8
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Kyaoc	CHANGE.	4	2 2 3	
5 3	5		١	١
Average .	(cm/sec)	,	0740	
line Coeff. Per., Average .	(cm/yec)	1,00,10	4.07	2010
Teme elapsed	(\$6C)	23	3	Ş
Temp.	ပ	7	*	
Time Initial of W.L Final of W.L Temp. Time Coeff. Per: Average: 1/1 Kwee	D-h-m ; H ₂ (cm);	8 4000 32 8	2 - 1600 402 - 4200 83.0 28 3200 4.07- 404-10	1200 402 1000 83.0
Test & j Dry ; No of Time ; thitist of W.L.	₩ K, (cm)	501 00	201 00	207 60
Ĕ	ċ	8	9	?
Ĕ.	'n	~	7	
No St			4	
6 5	ξE/A2		201-4 16.10	
Test & Dry : No of			1207 T	
<u></u>	٠	Ź		

	ē	501	5	1		W to tellion		Sulf of W. L. Temp.	- dup		•	,	:	
	3	Lob No Thir W. Stande	Stande			!				pasde	ž	ŧ	į	
۲.	}	3		3	0-3-m K. (cm.) D-3-m K. (cm.) C 1 (sec.)	K. (Cm)	ę	£ (cm)	μ	(38)	(cm/sec)	(cm/sec)	2	8
٠		VIII.							Ī		7	İ		
:.				-	\$ 8,00	203	8	66.4	7	ę	1 8 8,00 403 8 9 00 68.4 13600, 4.0x10	7		1
	1214	Association of	1	Ŷ	2 000 103	113	Ş	0.07	*	2600	4.15	14.0 12 3600 4.15 4.00 14.05 12.53 1	7.30	ors:
	5	^	<u> </u>	Ţ,	127	1	*	187 001		6	3500 4.4 -			
]			ď	10.71	1								
٠.		700	100						,	Time	Time Coell, Per. Average	Average	,	¥
÷	8 4 0 4	the state of the	4	Ĕ	Initial of W.L	۔۔ بر ≽	8	FAN OW.L	Č E E	etapsed	¥	¥	- ,	
. :	<u> </u>	, m	2	•	D-h-m K, (cm) O-h-m H, (cm)	(E5)	E-é-o	£ (GII)	ပူ	C (Sec)	(cm/sec) (cm/sec)	(cm/sec)	R.	CHASEC
				ŀ	277	;		35		4	2.4.5	\ \		1
-,			-	ŀ	8.25.20	1	1	V	Ī	3	7,6%	2.6% 2.6% 2.6%	2,2,10	2,2,10
	752	4.4.4.1977	-	Ţ		1,		1		5.	:			i
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COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biển đổi)

Diameter; 6.18cm; Area A; 30cm; Height L; 4cm DONG NA! 344 COMBIND HYDROPOWER, Data of sample and apparatus: TP 13U-1 Location of sample:

Volume V ; 120cm²; Helght of standpipe : 100cm

Area of standpipe $lpha:0.28cm^2$ Depth:
Description of soil: Realist, brown intaint sources
Subscription of soil: Realist, brown with subscription:

Kr = 21/11 & K200c = K 71 cm/sec Type of sample; Remoulded to standard compression result Date of testing :

165 422-0-101-0-101-0-101-0-101-0-10-0-101-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-0-10-Ą. ÷ | % (cm/sec) 1 (sec) (cm/sec) elapsed ě Temp. 0-h-m H₂ (cm) Final of W.L 0-h-m H, (cm) 9 3 1 \$ 10.10 103 Initial of W.L. 5 Ě Standb. Š Test data 34-1:14/4 JOB NO UNIT WY. ÉNX X š Test &

413,16 раум) X § ÷ 2 ſ × 15th 154 16"5 28 4500 436 (sec) (cm/sec) × 4800 14.83 elapsed Temp. D-h-m | H, (cm) | D-h-m : H, (cm) First of W.L. 970 50 -830 402 SK ST 9 800 103 Initial of W.L 1.00 102 Time 'n ¥9 0₹ Job No Unit Wt. Standp. N 304-2, 15,44 XX/A ŝ lest &

2.83×10° Cm/Sec X Se 친종 ١ 3.47.01 Coeff, Per. Average 3600 335, 156 t (sec) (cm/sec) 3600 336 \$600 3.45 elapsed 100 enp. 6 ٤ D-h-m . H. (Cm) 1 1845 to3 9 45451 7451 745 1500 74.D Final of W.L. D-h-m N, (cm) - 1300 103 4050 403 Time Initial of W.L. lob No ; Unit Wt. - Standp. m 3W-5 16.24 KN/H Š Test &

9-9-667 E350 cm/Sec Š <u>:</u> 259 yes t (sec) (cm/sec) (cm/sec) Time Coeff, Per, Average ż 3600 24 = 10 1300 810 28 3600 239. , pasdeia Final of W.L. Temp. D-h-m N₂ (cm) 9 900 402 9 4400 80.9 1500 810 Initial of W.L. - 4300 402-0-h-m | H, (cm)| 70, 3 Time . ,_ Job No , Unit Wt. , Standp. Fest & | Dry No of + 301-416,37 KW,WX

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5,833 3.0x10 59.05 Ž, χ δ 7 6 4 4 9.014599 349 353 - 3546 A νĘ Ϋ́ 1802 ASS (cm/sec) t (sec) (cm/sec) 56.00 -3800 6.65 NO 1800 165 Ł elapsed (\$60) -elapsed Zemp. Final of W.L. Temp. 57.8 57.5 28 41080 340 D-h-m H, (cm) D-h-m H₂ (cm) D-ft-m H2 (cm) ľ 1100 102 -1130 74.0 First of W.L. Time 1 Initial of W.L. 205 02.89 D-h-m H, (cm) ঠ্র 4000 100 3 Initial of W.L. 4 ime £ JOD NO Unit Wr. Standp. ٥ ک Job No Unit Wt. Stando. S 1304-5175,691 ફે KN/M 13W-6 14,6 est &

COEFFICIENT OF PERMEABILITY TEST (Falling head method) THÍ NGHIỆM HỆ SỐ THẨM (Phương pháp đầu nước biến đổi)

Diameter: 5.18cm; Area A: 30cm; Height L: 4cm DONG NA! 344 COASINED HYDROPOWEROUS OF SAMPLE AND APPARIENT.

TP 43U.2.

Diameter: 6.18cm; Area A:30

Volume V : 120cm³, Height of standpipe : 100cm Location of sample:

Area of standpipe a.: 0,28cm² Formule of calculcation Description of soil: Reddied from betwirt gravels and Silty cly mixture.

Type of sample ! Remodded to standard compression resuft

Date of resting.

CH/Sec 주 위 된

1480 142 - 14240 4 0,833 4.3400 E Š جا <u>چ</u> t (sec) (cm/sec) 120 t.3.10 elapsed Temp. 0-1-m (H, (cm) 벍 Ş Final of W.L 0-h-m H, (cm) ş 463 Initial of W.L Time 3 No O Job No Unit Wt. Standp. ~ Test data 1302-11 44.57 Š N/KS Test &

£12,105 Ř ÷ | & ţ 1.42,16-5 1000 520 28 1800 LHZt (sec) (cm/sec) 1800 1875 37.42 elapsed de de ပ္ D-h-m (K, (cm) D-h-m H, (cm) 4030 52.0 Final of W.L. 31500 103 14 930 515 Time Initial of W.L. - 950 JU3 - 4000 102 ***** 20 OK Job No Unit Wt. Standg. ~1 32-2454 KN/m ò Tes: &

2.8,10 CH/Sec Š =|= ı 3.36x10-0 Coeff, Per. 1 (sec) (cm/sec) - 7200 335-7200 335.16 7200 3.39 elapsed 12me ć ć ٢ D-b-m (H, (cm)) 11 8.00 50 HI 1000 54 1 40-15m 462 - 10 13-00 54 Shal of W.t. - 4000 103 - 4200 BB D-h-m (cm) Imitial of W.L Time Job No Unit Wt. Standp. 5 2 W 1302-346,48 Š Test &

1000 ž İ 76.0 28 7200 4.55 - 155.10 76.0 7200 4.55 -C it (sec) (cm/sec) (cm/sec) Coeff, Per., Average 7200 4.56 x16 0 Time Temp. N . D-h-m H, (cm) | D-h-m H, (cm) 1 No 1500 402 0 10 4300 75.5 3 - 40 00 102.0 [- 1200 T6.0] Final of W.t. 2 14 800 402 CH 1000 Initial of W.L. Ě Job No Unit Wt.; Standp. Test & Dry 1 No of 4 302-4-16.55 Š

2.5 ž Š E | E 3.4 15 t (sec) (cm/sec) 5400 3.1x10-6 5400 344 5400 2 44 elapsed Initial of W.L. ; Shall of W.L. | Temp. 420 402 1 400 650 28 ų D-b-m H, (cm) 1 11800 102 11930 650 - 400 402 1230 65.0 Nº D-h-m H, (cm) Time Job No Unit Wt. Standp. 8 S LĄ 302-546.27 m/kX Š कु हुन

0.833 Z.ONE × Š <u>اءً | ۽</u> 24.0-5 540 24x10²5 t (sec) (cm/sec) elapsed Ē Temp. þ 9 O-1-m H, (cm) Final of W.L 0-h-m H, (cm) 4 Ş Initial of W.L ž. 3 5 5 Standp. 305-6/15,00 JOB NO UNIT WILL χ. Elymy Š

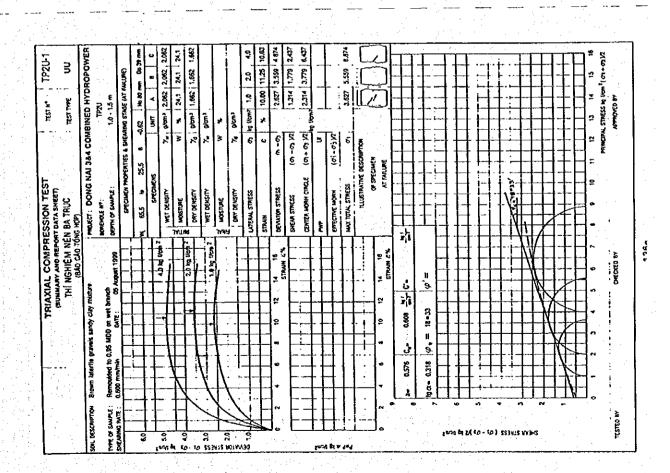
DATA 4.1.1

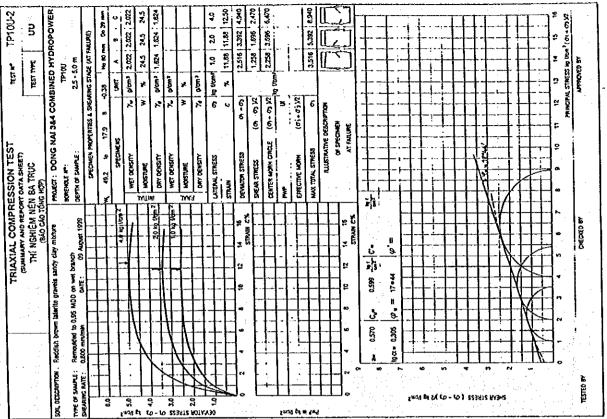
LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.3 DAM

TRIAXIAL COMPRESSION TEST IN THE CONDITION UNCONSOLIDATED, UNDRAINED (UU)

2.508 3.412 5.036 1.254 1.708 2.518 TPSU-2 74 o/cm², 1.564 1.664 1.664 03 lig from 1 1,0 | 2,0 | 4,0 5 × 11.25 11.38, 12.50 2254 - 3,706 6,518 3,508 5,412 9,036 PROJECT : DONG NAI 3&4 COMBINED HYDROPOWER 7. o/cm³ 2.065 2.065 2.005 -0.55 1 Ho 30 mm 30 39 mm W % 24.1 24.1 24.1 3 SPECIMEN PROPERTIES & SHEARING STAGE (AT FAILURE) 2.5 - 5.0 m TEST TYPE 8 7. o/cm² 7. oven ¥ ¥ 6-6) Z/ 6 · 6) 5 (6-10) 5 ALLISTRATINE DESCRIPTION OF SPECIMEN 8 AT FAILURE TRIAXIAL COMPRESSION TEST (SUMMAY AND REPORT DATA SHEET) THÍ NGHIỆM NÊN BA TRUC (RÁO CÁO TÓNG HỚ?) SPECIM WET DENSITY MAX TOTAL STRESS 62.5 % WET DENSITY EPECTIVE MORK DEPTH OF SAMPLE : DEVIATOR STRESS DRY DERSITY LATERAL STRESS MOISTURE CENTER MORN C MOISTURE MOREHOLE HT: STRAIN ž ìï STRAIN C'S. Remoulded to 0.95 MDD on wet branch 0,600 mm/min OATE: 05 August 1999 CHECKED BY con, Descriettore: Reddish brown laterite gravels sandy day mbrture ů 22 ì 18+04 1850 10a-0311 10. = : 0.552 TYPE OF SAMPLE. TESTED BY iania () P 8239518 RCTAN930 \$ 50 PER \$ \$ 101 - 103 PER \$ 150 PER cost to a sea

137a





2,013 3,493 6,148 TP7.U-2 7w | gloms | 1,925 | 1,025 | 1,925 11.25 12.50 11.85 1,013 1,493 2,548 SOL DESCRIPTION: Velowish metre reddsh sily day with few fine graves "moject": Dong nat 364 COmbined Mydropower 015:1 015:1 015:1 os leg tramel 1.0 , 2.0 , 4.0 0.507 0.747 1 074 1,507 2,747 5,074 6 -0,12 | No.80 mm Do.39 mm 3 SPECIMEN PROPERTIES & SHEARING STAGE (AT PAILINE) 27.5 | 27.5 2.5 - 5.0 m TEST TYPE TEST N Ye otom? * 74 - QCm3 , pop. (01-03)2 6 2(G: E) E(60 + 6) ILLUSTRATIVE DESCRIPTION OF SPECIMEN 21.3 CENTER MORH CIRCLE TRIAXIAL COMPRESSION TEST (SUMMARY AND REPORT DAY SHEET)
THI NICHIÉM NEN BA TRUC (BÁO CÁO TÓNG HƠP) MAX TOTAL STRESS DEPTH OF SAMPLE : DEVIATOR STRESS WET DENSITY DRY DENSITY WET DENSITY LATERAL STRESS EFFECTIVE MORH SMEAN STREES MONSTURE BOREHOLE Nº ; HOISTURE ī 1380 Removided to 0.35 MGD on wet branch CHECKED BY 9 020 F 10 cm 0.183 40 = 11 = 07 0.216 C-TESTED BY 223A12 ADTAV90 SHEAR STRESS (O) - O) IN NOW? ار الادم الأر 6-6

1390

1,625 2,303 3,226 0,812 1,152 1,613 1,512 3,152 5,613 on kg t/cm², 1.0 2.0 4.0 13.75 13.13 14.38 MOSECT: DONG NAI 38.4 COMBINED HYDROPOWER -0.30 No 80 mm De 39 W % 26.0 26.0 SPECIMEN PROPERTIES & SHEARING STAGE (AT FAILURE) 7_e o/cms 1,975 76 otem3 1.567 2.625 TEST Nº 1.0 - 3.0 m TEST TYPE UZIAL 74 Wom* 7. (VCm³ (co - 6) 24.69.69 (01+03)2 ILLISTRATIVE DESCRIPTION OF SPECIMEN TRIAXIAL COMPRESSION TEST SUMMARY AND MEPONT DATA SHEET THI NGHIÊM NÊN BA TRUC (840 CAO TÔNG HÓP) MAX TOTAL STRESS DEVIATOR STRESS r F Veltowish mothe reddlah brown zilfy ctay with gravels CHECKED BY Remodded to 0,95 MDD on wet branch 0.500 mm/min 0.7E: 20 Sep 3 6 14.41 36 0.352 3a= 0.254 SHCARING RATE: 0 SOR, DESCRIPTION:

1400

TESTED BY

SHEAN STRESS (O) - O3 Y2 Ng Nem²

4,303 7,226

TP12U-1

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****** to - 10 223472 AO(AV30

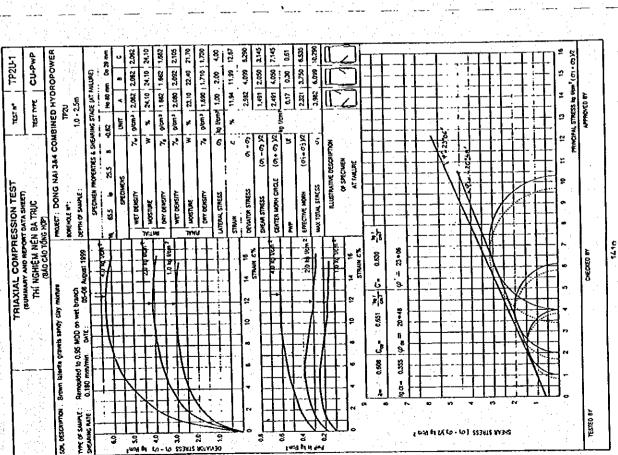
DATA 4.1.1

LABORATORY TEST
OF
EARTH CORE MATERIAL
FOR
DONG NAI No.3 DAM

TRIAXIAL COMPRESSION TEST IN THE CONDITION CONSOLIDATED, UNDRAINED (CU)

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TRIAXIAL COMPRESSION TES
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. 17	<u> </u>		8	٥   ٤	1 t/cm²	000)/2 (Out		8 5	1745		1	- 1	2.261 2		11	2.419	:	2.467	2.485	- 1	2.489		2.482			2.450		- 4	-		-	- 1		1		
	Depth :		1		Stresses kg t	0,-03/2 (0,+03/2 (0,+0		0000 1000	· •	1.900	1	2.205	2.261	2.353	11	2.419	2.458	2.467	1,485 2,485	2.487	- 1	2.487	1	2.474	2.464						-					
			1		Stresses kg t	0+ (0,00)/2 (0,00)/2 (0,00)/2 0,00		0000 0060	0.840 0.245	0.780 0.900. 1.900	0.770 1.02 2.022	0.750 1.205 2.205	0,750, 1,261, 2,261	0,300	0.760 1.389 2.389	0.770 1.419 2.419	0.790 1.458 2.458	0,800 1.467 2.467	0,820 1,485	0.830 1.487 2.487	0.8301 1.4891	0.8401 1.487 2.487	0.840 1.482	0.840 1,474 2,474	0.650 1.464 2.464	0.850 1.850 2.450								+		
	CU - PwP Dept	Cell pressure d ₃ =	1	Back pressure Pb =	City cell pressure of	9:		0000 0000 0000	2.301 0.810 0.745	2.580 0.780 0.900 1.900	3.015 0.760 1.128 2.128	3.160 0.750 1.205 2.205	3.273, 0.750, 1.261, 2.261	3,3831 0,730 1,317 2,517	3,537 0,760 1,389 2,389	3.607 0.770 1.419 2.419	3.5501 0.790 1.458 2.458	3,734, 0,800 1,467 2,467	3,790 0,820 1,485	3,804, 0,830, 1,487, 2,487	3.809 0.830 1.4891	3.813  0.840  1.487  2.487	3.804 0.840 1.482	3,789 0.840 1,474 2,474	3,777 0,650 1,464 2,464	3.750 0.850 1.450 2.450	man language									
	CU - PwP	Cell pressure do	1	Back pressure Pb =	City cell pressure of	9:		0000 0000 0000	0.840 0.245	2.580 0.780 0.900 1.900	0.770 1.02 2.022	3.160 0.750 1.205 2.205	3.273, 0.750, 1.261, 2.261	3,3831 0,730 1,317 2,517	0.760 1.389 2.389	3.607 0.770 1.419 2.419	0.790 1.458 2.458	3,734, 0,800 1,467 2,467	0,820 1,485	3,804, 0,830, 1,487, 2,487	3.809 0.830 1.4891	0.8401 1.487 2.487	3.804 0.840 1.482	3,789 0.840 1,474 2,474	3,777 0,650 1,464 2,464	3.750 0.850 1.450 2.450										7671
	Test type: CU - PwP	Without side drains   Cell pressure do =	1	Back pressure Pb =	City cell pressure of	9:		000.0 006.0 006.0 000.0	2.301 0.810 0.745	1.800 2.580 0.780 0.900 1.900	2.064 2.804 0.770 1.002 2.005	2.410 3.160 0.750 1.205 2.205	2.523 3.273 0.750 1.261 2.261	3.3831 3.3831 0.7501 1.317 2.317	3,537 0,760 1,389 2,389	2,837 3,607 0,770 1,419 2,419	3.5501 0.790 1.458 2.458	2,934 3,734 0,800 1,467 2,467	3,790 0,820 1,485	2,974 3,804 0,830 1,487 2,487	2.979 3.809 0.830 1.4891	3.813  0.840  1.487  2.487	2,964 3,804 0,840 1,482	2,949 3,789 0,840 1,474 2,474	2.927 3.777 0.650 1.464 2.464	2,900 3,750 0,850 1,450 2,450	man language									-676
	Test type: CU - PwP	Without side drains   Cell pressure do =	Vertical stress o	Back pressure Pb =	Volume V _{NE} = 85.922 cm ED: Cell pressure of -	9:		000.0 006.0 000.0 000.0	1.052 1.052 1.052 0.840 0.525	1.800 2.580 0.780 0.900 1.900	2.064 2.064 2.834 0.770 1.002 2.004	2.410 2.410 3.160 0.750 1.205 2.205	2.523 3.273 0.750 1.261 2.261	2,633 2,633 3,383 0,730 5,317 2,317	2,716 3,406 0,730 1,330 2,339 2,389	2,837 2,837 3,607 0,770 1,419 2,419	2.976, 3.5501 0.780, 1.455 2.458	2,934 2,934 3,734 0,800 1,467 2,467	2,970 3,790 0,820 1,485	2.974 2.974 3.804 0.830 1.487 2.487	2.979 2.979 3.809 0.830 1.4891	2,982 1,012 0,840 1,457 2,487	2.964 3.804 0.840 1.482	2.949 2.949 3,789 0.840 1,474 2,474	2,927 2,927 3,777 0,850 1,464 2,464	2,900 2,900 3,750 0,850 1,450 2,450	1000 mm (co.7)									w676
	Test type: CU - PwP	Without side drains   Cell pressure do =	0.833 Kg.Div	Back pressure Pb =	Volume V _{NE} = 85.922 cm ED: Cell pressure of -	Crease Manh Gade	CM ²	0000 0060 0000 0000 0000 90811 010	0.16 11.884 1.052 1.052 1.892 0.840 0.520	0.22 12.033 1.800 1.800 2.530 0.730 0.900 1.900	0.23 12.110 2.064 1 2.064 2.834 0,770 1.000 2.000 0.23 0.23 0.23 0.25 3.015 0,760 1.128 2.128	0.25 12.269 2.410 2.410 3.160 0.750 1.205 2.205	0.25, 12.349 2.523 2.523, 3.273, 0.750, 1.261, 2.261	0.25 12.431 2.633 2.6331 3.3831 0.750 1.317 2.317	0.25 12.514 2.716 2.716 3.480 0.734 1.339 2.389 0.24 12.598 2.777 3.537 0.760 1.339 2.389	0.23 12.683 2.837 2.837 3.507 0.770 1.419 2.419	0.22 12.769 2.870 2.870 3.650 0.780 1.553 2.550 0.551 0.780 1.55 2.458	0.20 12.945 2.894 2.834 3.734 0.800 1.467 2.467	0.19 13.005 2.852 2.854 5.784 0.820 1.485	0.17 13.216 2.974 2.974 3.804 0.830 1.487 2.487	0.17 13.312 2.979 2.979 3.809 0.830 1.4891	0.17 13.407 2.982 2.982 J.B.12 0.800 1.437 2.487	0.10 0.00 0.00 2.964 3.864 0.840 1.482	0.16 13.700 2.949 2.949 3.789 0.840 1.474 2.474	0.15 13.801 2.927 2.227 3.777 0.650 1.464 2.464	0.15 13.900 2.900 2.900 3.750 0.850 1.550 2.590	0.15 14.007 2.855									4674
	Test type: CU - PwP	Without side drains   Cell pressure do =	CR = 0.833 Kg/Div	Specimen prior to shearing	Area Ass = 11:805 cm² Volume Vsg = 83:922 cm² Cit. cmi pressore cy =	Cross Manh Greek Gr	,,000	000 000 000 0000 0000 0000 0000 0000	12.50 0.16 11.881 1.052 1.052 1.052 0.840 0.520 0.520 0.520 0.520 0.745 1	7,88 0.19 7,300 1,800 7,1800 2,580 0,780 0,900 1,900	24.99 0.23 12.110 2.084 2.084 0.770 1.002 2.004 0.770 1.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 0.002 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3,809 0,830 1,489	39.98 0.17 13.407 2.982 2.982 J.012 0.000 1.497 2.487	40,13 0,10 13,000 2,954 2,954 3,804 0,840 1,402	40,40 0.16 13,700 2.949 2.949 3,789 0.840 1,474 2.474	40.40 0.15 13.801 2.927 2.927 3.777 0.850 1.464 2.464	40.32 0.15 13.903 2.900 2.900 3.750 0.850 1.450 2.450	39.981 0.15 14.007 2.955									<b>~</b> 676
TRIAXIAL COMPRESSION TEST (CU method shearing stage data	Test type: CU - PwP	Without side drains   Cell pressure do =	nymin; CR = 0,833 Kg/Dw	Specimen prior to shearing	Area Ass. # 11:805 cm" Volume Vsg = 83:922 cm C1: cmi pressure cy =	Const. Mamb. GG. Gr. Or	ko //cm² cm² corr.	0000 0000 0000 0000 0000 0000 0000 000 000 0	15.00 12.50 0.16 11.881 1.052 1.052 1.052 0.840 0.500 0.500 0.500 0.500 0.745 1	7,88 0.19 7,300 1,800 7,1800 2,580 0,780 0,900 1,900	30,001 24,991 0.23 12.110 2.064 2.054 2.054 0,770 1.002 2.0054	0.25 12.269 2.410 2.410 3.160 0.750 1.205 2.205	37.40 31.15, 0.25, 12.349 2.523 2.523 3.273, 0.750, 1.261, 2.261	39.301 32.741 0.251 12.431 2.6331 2.6331 3.3031 0.7501 1.317 2.377	0.25 12.514 2.716 2.716 3.480 0.734 1.339 2.389 0.24 12.598 2.777 3.537 0.760 1.339 2.389	43.20 35,99 0.23 12.683 2.837 2.837 3.607 0.770 1.419 2.419	44.00, 36.65 0.221 12.7681 2.870 2.870 3.5501 0.790 1.950 2.458	0.20 12.945 2.894 2.834 3.734 0.800 1.467 2.467	46.20 38.48 0.19 13.005 2.852 2.852 3.750 0.820 1.485	39.32 0.17 13.216 2.974 2.974 3.804 0.830 1.487 2.487	47.60 39.65 0.17 13.312 2.979 2.979 3.809 0.830 1.4891	46.00 39.98 0.17 13.407 2.982 2.982 Mill 0.889 1.487 2.487	45.20 40.13 0.16 13.604 2.964 3.804 0.840 1.482	0.16 13.700 2.949 2.949 3.789 0.840 1.474 2.474	48.50 40.40 0.15 13.801 2.927 2.927 3.777 0.850 1.464 2.464	48.40 40.32 0.15 13.903 2.900 2.900 3.750 0.850 1.450 2.450	0.15 14.007 2.855									wc75

TRIAXIAL COMPRESSION TEST (Consolidation stage data sheet)

TP 2 U-1

TP 2 U

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CU - PwP	Cell pressure	Vertical stress o ₁	Back pressure Pb	iff, celt p		Ď		028	3.032	151.4	4.502	4,670			\$232	5.341	. i	S 3	- 1		5.697	5.743	5.797	87.78		1	•		25	25.92			-!				
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P2U-1 COMBINED HYDROPOWER	¥.	χοδον	shearing		<	٠.	٦, ع	173	2 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8 2	12 OF	12.097	12 176	2 2	8	12.504	12.589	12.675	2 2 2	2 5	8	1212	13.216	13.311	13.50	136	9	13.805	13.9091	14,014		T					
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The Ives CU - PWP Depth : 1.0-2		Cell pressure	Vertical stress or	Back pressure Pb	Eff, cell pressure		ő		. :	5.776	- 1	- 1	8.170	1	1	8.937	<u> </u>	9.247	38.3			265.6	1		1	9.682					10.		L.		_					
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TRIAXIAL COMPRESSION TEST (Consolidation stage data sneet)	TEST Nº TEST Nº TEST TEST TO SUPPLY CU-PWP OATE STARTED 7 - 8 - 39	ō
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	1	. '
		:
-	0.00	

Depth: 2.5-5.0m
Date: 07 August 1998
1.00
kg (km²
kg (km²

GW - ₽20

Test type : Load ring N° :

Without side drains

TRIAXIAL COMPRESSION TEST (CU method shearing stage data sheet)

Stress Memb. 01-03 or 07 (01-03)/2 (01-013)/2 (01-013)/2 01/1/13

0.334

Stresses kg 1,cm²

° |8

Vertical stress or = Cell pressure os =

Specimen prior to shearing
Height H_{PC} = 7,352 cm Area Are = 11,799 cm² Volume V_{PC} = 93,820 cm³ (5ft. cell pressure cg. =

Deviator strees kg f/cm²

PROJECT COMO AND AND AND AND AND AND AND AND AND AND								301123300 3000	[							
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VERTICAL STRESS 4,00			*		27.75	0.25	47.0	-	7				l	Specimen prior to shearing	nor to sh	Š.
T			,		27.70	a a	47.0	9	<del>ا</del>		Height	Height Hrs = 7,952 cm	1	Area Are - 11,798 cm ²	11,798 c	  **-
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-	0.880	8	36.6		8 8	3	2.767	2.919	3.056	3.186	3.280	333	3,420	3.487	3544	3,567	32	8   S	3.60	3,58	8	358	8	3.573	355	3	- 1	8								
	0.000	1900	34.5	3	4 1	200	2.037	2,199	2,346	2.466	2.5601	2.628,	2.689	2737	27.5	2.807	2823	2.838	2.841	2.83	2,830	282	2,812	2.903	2.783	2.778	2.747	2.716								
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TRIAXIAL COMPRESSION TEST (Consolidation stage data sneet)

Depth : 2.5-5.0m Date : 06 August 1999

CU - PWP

Test type: Load ring N Without side drains

Test N°: TPSU-2 Project : DONG NAI 38.4 COMBINED HYDROPOWER

Specimen prior to shearing CR = 0.766 Kg/Div Load ring constant

> Rate: 0.180 mm/min. Test type :

8 8

Call pressure C3 =

TRIAXIAL COMPRESSION TEST (CU method shearing stage data sheet)

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TRIAXIAL COMPRESSION TEST (Consolidation stage data sheet)

Depth : 2.5-5.0m Date : 05 August 1999

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Test type : Load ring Nº :

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Cell pressure os =

TRIAXIAL COMPRESSION TEST (CU method shearing stage data sheet)

TEST NE: DE	TEST Nº: TPSU-2 PROJECT DONG NAI 344 HYDRO POWER, LOAD RING Nº: PROJECT DONG NAI 344 HYDRO POWER, LOAD RING Nº:	SOWER.	TEST TYPE: LOAD RING N		dwa 1	OATE STAR	TE STARTE	FD: 57	OATE STARTED: 5 - 8 - 99 LE CHANGE PORE PRESSURE	8.5 0.5.5 5.5.5		Test N°	E	TRIAXIAL COMPRESSION TES	AL COM	PRES	NOIS	ñ
TEST TYPE	WINGU SIDE DRAINS	DATE	TIME	minutes	>	cm.	į (E	kg f/cm²		8 6		Project :	DNOG	Project: DONG NAI 3&4 COMBINED HYDROPOWER Test type: CU Load and constant	COMBINE	MBINED HYDROF Load ning constant	00 %	^ [
CELL PRESSURE	1 1	8-5	04,9	٩	T	30.00 0.00	_	2 50	d,	,	 	Rafe	Rate: 0,180 mm/min	m/min	5	CR = 0.766 Xp.Ow	ě	
VERTICAL STRESS	٦			3		29,40	₩	2.50	,	1					Specimen prior to shearing	prior to	Shearing	
BACK STRESS				ļ		29,30	29.30 0.70	2.50	0	9		Height	Height Hrg = 7.892 cm	92 cm	Area Apr = 11,519 cm²	- 11,519		20
Pwp AFTER BUILD UP	ומורס מב			1		29.20	29.20 0 80		503	4	<del>-</del> -	Strain	Ę	Pag.	-   	ח	   	ద్
CONTRACTOR PRESSURE	RESSURE			6		29.00	1	2.43		1		å		ફેં	3			Ş
	\$100 140 min.			٤		26.70	85	30 2,40	o v	<u> </u>	· ·	0.0	* w	50	2	kg 1/cm²	-w	- 1
1, a. 9. 1,00	1,00 = 0.51 x 440 = 56.1			2		8	24					0	8	8.0	800	0.42	11.619	ា
				g		28.0	<b>9</b> ;	9,4	, v		1 1 1	S	3	8.8	222	640	11.693	-:
RATE	RATE OF DISPLACEMENT			3		9 :	9 :	, , ,	7 2	14.0	- <b>-</b>	8	2	46.00	35.24	S.	11,768	4
H.	76.92			Ŕ		97	,	100		<b>Ļ</b> _		Š	8	88	4.	93.0	1.844	
100.15	100.1(15 0.10) 56.1			4		4 }	1		-	١		8	3	67.00	51.22	0.61	11,921	
				۰ ۰		0 6			1	92	- ,	82	3.17	73.00	55.92	0.63	11.999	"
1	DATE OFFICE		ļ	1		9 6				ļ	•	ğ	8	78.00	58.75	0,65	12.070	1
במינור ה מינור ה	;		2	_		2		_			<del>-</del>	350	4	83.00	63.58	29.0	12.158	"
												8	5.07	86.50	66.26	69'0	12239	٠,

-	Height	7	Height Hrs = 7.892 cm ;	Area Am	- 11,519 cm ²	9 cm²	Volume V _{PE} = 91.698 cm ³	. = 81		if, cell p	Eff. cell pressure Oy		8	^	xo t/cm.
	Strain	Ę	ş	2	3	∢	Deviator strees kg f/cm²	strees	op 1/cm²			Stresses	Stresses kg f/cm²		
-	š		ફેં	ğ			Stress	Memb.	0,03	ō	ď.	(0.0)	(G1+O3)/2 (G1+O3)/2		a./a
	6	*	50	2	kg I/cm²	cm,		ž.							
	°	8	8	8	0.42	11.619	0.000		000	358	358	8	8	3.580	8
: 	ន	1	1_	1"	0	1.68	1.900		8	2 5		88	4.950	4 460	Ž :
- <del>-</del>	8	12	46.00	35.24	Š	11,768	2,994		2.994	Ž,		1.497	5.497	28.	20
	Š				0.58	1.84	3.751		3,751	7.		1.876		% 	2.097
		9	1	1		11,921	4,305		4.305	7.695	339	2.15	Ī	5,543	2270
- ,	5	1	1	55.92	1	11,989	4.660		4,660	6.030		2,330	ļ	878	2.303
	g	į	8	1	į	ı	4,947		4.947	6.297		2,473		5.823	2,477
-	Ş	1	1	1	ı	12.158	\$23		5.229	8.559	1	2.615	١	585	2570
•	3 8	203	8,50	1	890	ı	5,414		5.414	8.724		2,707		6.017	2.636
	3 5	2 2					5.564		5.564	\$36.	3,300	2.782	1	2809	2636
<del></del>	3 5	25.3		1	1,0	1	5,669		5,669	8.959		2.834		5.12	23
	850	ı	93.80	ı	ļ	12.489	1		5.753	9.033		2.876	6.876	6.156	7
	8	2.60	L	73.15	E	12.575	ı		5.817	208	3270	2300		6.179	2779
	9				1		5.868		5.868	9.128	3260	2.934		Ž.	8
	\$ 8	78.4			0.75	ł.			2,000		3.250	2 950	7	6.200	2 815
	750			1		1	5.918	-	5.918	9.158		2.959	656.9	6,19	2.827
	8	-		l		i .	i	_	5.924			- 1	İ	25	282
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-	950	ı	1	1	1		1		5,915	9.145	3.230	2.958			28
	200			78.44	2,0	13,305	5.855	į	5.695	9.125	]	. 1	1	6.178	28
-	1050		E	1	1	Ι.			5.870	1	l 1	2.935		6.165	23
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	1200		102.80	78.74	0.77	13.783	5.747	Ĺ	5.747		3.230	- 1			2773
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TRIAXIAL COMPRESSION TEST (Consolidation stage data sneet)
TEST **: TRITYPE: CU.PWP OATESTARTED: 12 - 8-39
PROJECT: DONG NAI 3-4 MYDROPOWER, LOAD RING W.

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PORE PRESSURE	ž	kg 1/cm²	0	-	١,	13		100	aa	5	2.0	1	3	8		1000	220		2		2 3 4	100 2.61	26,7 7.930		12610 44,732	Z	+	33,	10-7 5,03 467								rcsie)		08.6				<u>-</u>		+		1
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TRIAXIAL COMPRESSION TEST (CU method shearing stage data sheet)	Depth Date :					Stresses kg f/cm'	(0,-0)/2 (0,		3 6	0.367	0.468	0.551	0.617	0.672	0.727	1692.0	0.801	0.826	0.845	0.863	0.331	0.880	0.902	0.910	0.915	0.920	0.925	0.927	0.920	0.922	0.50	0000	0.034	+		•	•	+	1	†	†		$\dagger$	1
ig stag		6	12 Q1 =	£	6	١	ė ė	-1.	1000	İ.	i	0.840	0.820	0.810	0.800	0.790	02.20	0.780	- 1	-	0.790		- 1	- 1	ļ	0.830	0.830	0.830	0.870	0.830	0.840	0.840	0.840	+	$\dagger$	+	<del>-</del>	+	1	+	-	i	$\dagger$	1
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thod s	ರ ೬		*	8		,km²,	9,9	1	8	2 2	88	1,10	1.233	1,344	1.454	1.538	1.601	1.652	1.689	1,726	1.752	1.785.	1.803	1.820	1,830	18	1.851	1.854	.852 22	284	1,831	1.812	792			Ī						T		
E	Test type:	Without side drains			30.03	trees kg	Memb.	corr.	+	-	-	1	┢	H	-						<u> </u>	-			-				-			1	1	1			1		1			1	1	
EST (	F -	¥.			Volume V _{PE} = 93.032 cm ³	Deviator strees tog 1/cm²	Stress		ğ	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	888	ē	52	1,344	1.454	1.538	1,601	1.652	1.689	1.726	1.762	1,786	1.800	1.820	1,830	1,845	1,851	1.854	1.852	3.	183	1.812	1,787				ļ							
L NOIS	BANCOC	, E	Ka/Div	shearing		-	┖.	5	11,732	1.806	2 88	12.036	12.114	12.193	12.274	12.355	12.438	12.522	12.606	12,692	12,780	12.868	12.957	13.048	13.141	13 234	13,329	13.425	13.522	13,621	13,722	13.824	13.927				i							
PRES	TP7U-2	Load ring constant	0.766 Ko		11.732 GM	-		kg 1/cm	0.0	00	1.0	<u> </u>	0.18	0.19	0.20	0.21	0.22	0.22	Z	0.22	021	0.20	0.19	0.18	0.171	5	0.17	0.17	0.17	0.17	0.16	0.16	0.16				-	1				;		
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IAXIAI	F .	A	nim min		7.530 cm	3	ž	Б.	000	7.8	÷ ;	14.00	5 5	21.40	2	2,70	8	8	27.80	88	29.40	30.00	8	31.00	33.40	88	8	8	8.70	32.80	32.80	22,73	32,50					.						
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Specimen prior to shearing Height N_{re} = 7 874 cm Area A_{re} = 11 565 cm² Volume V_{re} = 91.063 cm²

Project : DONG NAI 384 COMBINED HYDROPOWER
Test type : QJ Load and constant
Rate : 0.300 mm/min CR = 0.786 Kg/Dv

dwd file	NG N°: DATE STARTED:	CLOCK TIME VOLUME CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTINUE CANNON CONTI	0 747	ESS 4.00 1.00 30 1.00 1.00 3.12 0	2 235 165 3.06	28.50 2.10 2.23 0.19	RESSURE 9 2.000 2.000 0.56	55 min. 52 26.10 4.90 2.34 0.78	36 25.20 530 2.12 1.00	PAYE OF DISPLICEMENT 64 450 450 450 450 450 450 450 450 450 45	78 23.0 2.90 0.62 2.50	5 23.00 9.00 0.35	8 22.50 8.10 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.12 3.00 0.1	C, 300 min		253	22.	1.4		C. "(10 11) 10 1 250 1217 10"	2			G CHI	380	© 000000000000000000000000000000000000			The Mante (Log scale)			ROIJ	SSI		\$ 8	1.0	(a) (a) (a) (a) (a) (a) (a) (a) (a) (a)	<b>201</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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:		.0m 20ust 1999	Ko I/cm	kg I/cm² kg I/cm²	kg 1/cm²		22/2 Oilar	1 000		٠.	2,537 1,835	- 1			2.812: 2.347		1	ŧ I		2,923 2,609			2.969, 2.666	_ 1	- 1	_1	- 1	- L.	2,966 2,039	2 063 2 602	i .								
	sta sheet)	Depth : 2.5-5.0m Date : 11 August 1999	:	2.00 kg l/cm² 0 kg l/cm²		s kg/cm²	(0,+0)/2 (0,+0)/2 0,102	920	1000	2 605 2,435	2,747 2,537	2.865 2.625	3,019 2,719	3.0821 2,772	3.132 2.812	3.187 2.85/	3 238, 2.838,	3.260 2.900	3,282 2,912	3,300 2,923	3,310 6.300	3.341 2.961	3,349 2,969,	3,357 2,977	3.359 2.979	3.358 2.978	3.353 2.973	3,346 2,976	3,336 2,966	3,323 2,300	10.00	2							
l	g stage data sheet)	Depth: 2.5-5.0m Date: 11 August 1999	2.00	8 0	2.00	Stresses kg/cm²	(0,00)2 (0,00)2 (0,00)	0000	1000 C 1000	0,605 2,605 2,435	0,747 2,747 2,537	0.865 2.865 2.625	1.019 3.019 2.719	1.082 3.082 2.772	1,132 3,132 2,812	1.187 3.187 2.857	1,216 3,410 4,010	1.260 3.260 2.900	1,282 3,282 2,912	1.303 3.303 2.923	1,318 4,310 5.53	1341 3.341 2.951	1,349, 3,349, 2,969,	1,357 3,357 2,977	1,359 3,359 2,979	1.358 3.358 2.978	1.353 3.353 2.973	1,346. 3,346. 2,976	1,336 3,336 2,966	1,323 3,323 2,363	3.010.								
l	C)	Date:	:	Vertical stress m. = 2.00 Back pressure Pb = 0	2.00	resses kg/cm²	3/2 (0,+0)/2 (0,+0)/2	020 0	1,970 1,970 0,000	2,703 1,830 0,411 2,411 2,231	3.284 1,790 0,747 2,747 2,537	3.490 1.760 0.865 2.865 2.625	3,641 1,730 0,956 2,956 2,719	3.855 1.690 1.082 3.082 2.772	3.943 1.680 1.132 3.132 2.812	4.043 1.670 1.187 3.187 2.851	4.092 1.660 1.216 5.4.10 2.00	4.161 1.640 1.260 3.260 2.900	4.194 1.630 1.282 3.282 2.912	4.227 1.620 1.303 3.303 2.923	4.257 1.620 1.318 3.310 4.330	4.296 1,620 1.330 J.334 2,961	4 310 \$ 620 1.349, 3.349 2.969,	4,334 1,620 1,357 3,357 2,9771	4,336 1,620 1,359 3,359 2,979	4.335 1.620 1.358 3.358 2.978	4.227 1.620 1.353 3.353 2.973	4,322 1.630 1.346 3.346 2.976	4.302 1.530 1.336 3.336 2.965	4.287 1.640 1.323 3.323 2.303	4.267 1.5401 1.3131 3.313								
l	C)	CU - PwP Depth:	Cell pressure op = 2.00	8 0	Eff. ceil pressure dy - 2.00	Stresses kg/cm²	01-03 01. 03 (01-03)/2 (01+03)/2 (01+03)/2	020 1	1,970 1,970 0,000	2,703 1,830 0,411 2,411 2,231	1,790 0,747 2,747 2,537	3.490 1.760 0.865 2.865 2.625	1,730) 0,956) 2,930 2,719	3.855 1.690 1.082 3.082 2.772	3.943 1.680 1.132 3.132 2.812	4.043 1.670 1.187 3.187 2.851	4.092 1.660 1.216 5.4.10 2.00	4.161 1.640 1.260 3.260 2.900	4.194 1.630 1.282 3.282 2.912	4.227 1.620 1.303 3.303 2.923	4.257 1.620 1.318 3.310 4.330	4.296 1,620 1.330 J.334 2,961	4 310 \$ 620 1.349, 3.349 2.969,	4,334 1,620 1,357 3,357 2,9771	1.620 1.359 3.359 2.979	4.335 1.620 1.358 3.358 2.978	4.227 1.620 1.353 3.353 2.973	4,322 1.630 1.346 3.346 2.976	4.302 1.630 1.336 3.336 2.965	4.287 1.640 1.323 3.323 2.303	1,5401 1,3131 3,313							100 Y	3
l	C)	Test type: CU - PwP Depth:	Without side drains Cell pressure co. 2.00	Vertical stress m. = 2.00 Back pressure Pb = 0	Eff. ceil pressure dy - 2.00	Stresses kg/cm²	01-03 01. 03 (01-03)/2 (01+03)/2 (01+03)/2	020 1	1,970 1,970 0,000	0.823 2.703 1.800 0.411 2.411 2.231	1,484 3,284 1,790 0,747 2,747 2,537	1,730 3,490 1,760 0,865 2,865 2,625	3,641 1,730 0,956 2,956 2,719	2,165 3,855 1,690 1,082 3,082 2,772	2,263 3,943 1,680 1,132 3,132 2,812	2,373 4,043 1,670 1,187 3,187 2,837	2.402 4.092 1.660 1.216 5.4.16 2.010	4.161 1.640 1.260 3.260 2.900	2.564 4.194 1.630 1.282 3.282 2.912	4.227 1.620 1.303 3.303 2.923	2,637 4,257 1,620 1,318 3,310 2,350	2.666 4.286 1.620 1.330 3.341 2.961	2.560 4.319 5.620 1.349, 3.349, 2.969,	2.714 4.334 1.620 1.357 3.357 2.977	2,718 4,338 1,620 1,359 3,359 2,979	2,715  4,335  1,620  1,358  3,358  2,978	4.227 1.620 1.353 3.353 2.973	2,692 4,322 1,630 1,346 3,346 2,976	2.672 4.302 1.630 1.336 3.336 2.366	2,647 4,287 1,640 1,323 3,323 2,305	4.267 1.5401 1.3131 3.313							10V+	3600
l	C)	Test type: CU - PwP Depth:	Without side drains Cell pressure co. 2.00	Son Vertical stress or 200	Volume V _M = 91.063 cm ³ Eff. ceil pressure cy. = 2.00	Deviator strees kg/cm² Stresses kg/cm²	Stress Memb. 01-03 01 07 (01-03)2 (01+03)2 (01+03)2	cm² cor.	11,565 0.000 0.000 1.970 0.000 0.000 2.000	11,636 0,823 0,823 2,703 1,880 0,411 2,411 2,233	11,790 1,494 1,484 3,284 1,790 0,747 2,747 2,537	11,865 1,730 1,730 3,490 1,760 0,865 2,865 2,625	11.944 1.911 1.911 3.641 1.730) 0.856 2.930 2.0301	12.103 2.165 2.165 3.855 1.690 1.082 3.082 2.772	12,184 2,263 2,263 3,943 1,680 1,132 3,132 2,812	12.266 2.373 2.373 4.043 1.670 1.187 3.187 2.857	12.349 2.472 2.402 4.092 1.650 1.216 3.4.18 2.010	12,433 2,477 2,417 4,181 1,640 1,260 3,260 2,900	12 519 2.32 3.282 2.544 4.194 1.630 1.282 3.282 2.912	12.693 2.607 2.607 4.227 1.620 1.303 3.303 2.923	12.783 2.637 2.637 4.257 1.620 1.318 3.310 5.330	12.873 2.666 2.666 4.286 1.620 1.330 June 2.961	12,965 2,682 2,564 4,316 1,349 3,349 2,969	13.057 2.008 2.0071 2.077 3.357 2.977	13.132 2.718 2.718 4.338 1.620 1.359 3.359 2.979	11344 2715 2715 4.335 1.620 1.358 3.358 2.978	13.443 2,707 2,707 4,227 1,620 1,353 3,353 2,973	13.543 2.692 2.692 4.322 1.630 1.346 3.346 2.976	13.644 2.672 2.672 4.302 1.630 1.336 3.336 2.965	13.747 2.647 2.647 4.287 1.640 1.323 3.323 2.363	13.852 2.627 2.627 4.267 1.640 1.313 3.313							10V+	
l	C)	Test type: CU - PwP Depth:	Without side drains Cell pressure co. 2.00	Son Vertical stress or 200	Volume V _M = 91.063 cm ³ Eff. ceil pressure cy. = 2.00	Deviator strees kg/cm² Stresses kg/cm²	Stress   Mamb.   01-03   01   (01-03)2   (01-03)2   (01-03)2	corr.	0.03 11.565 0.000 0.000 1.970 0.000 0.000 2.000	0.12 11.639 0.823 0.823 2,703 1.800 0.411 2.411 2.23	0.17 11,714 1.20 0.747 2.747 2.537	0.24 11.865 1.730 1.730 3.490 1.760 0.865 2.865 2.625	0.27 11.844 1.911 1.911 3.641 1.730 0.856 2.9301 2.730 2.730 2.730 2.730 1.019 3.019 2.719	0.30 12.02 2.06 2.165 2.165 3.855 1.690 1.082 3.082 2.772	0.32 12.184 2.283 2.283 3.943 1.680 1.132 3.132 2.812	0.33 12.266 2.373 2.373 4.043 1.670 1.187 3.187 2.557	0.34 12.349 2.432 2.432 4.092 1.660 1.216 3.4.19 2.008	0.35 12.433 2.477 2.417 4.161 1.840 1.260 3.260 2.900	0.36 12 319 2.341 2.564 4.194 1.630 1.282 3.282 2.912	0.38 12.663 2.607 2.667 4.227 1.620 1.303 3.300 2.923	0.33 12,783 2,837 2,837 4,257 1,620 1,318 3,319 2,933	0.38 12.873 2.566 2.566 4.286 1.620 1.330 3.341 2.951	0.38 12.965 2.682 2.002 4.302 1.303 3.349 2.969	0.38 13.05/ 2.088 2.714 4.334 1.620 1.357 3.357 2.9771	0.381 13.134 2.718 4.338 1.620 1.359 3.359 2.979	0.36 11.344 2.715 2.715 4.335 1.620 1.358 3.358 2.978	0.30 13.443 2.707 2.707 4.227 1.620 1.363 3.363 2.973	6.27 13.543 2.692 2.692 4.222 1.630 1.346 3.346 2.976	0.37 13.644 2.672 2.672 4.302 1.630 1.336 3.336 2.965	0.36 13.747 2.647 2.647 4.287 1.540 1.323 3.323 2.300	0.36 13.852 2.627 2.627 4.287 1.5401 1.3131 3.316							COST	
l	TRIAXIAL COMPRESSION TEST (CU method shearing stage data sheet)	Test type: CU - PwP Depth:	Cell pressure op = 2.00	Vertical stress or = 2.00 (Back pressure Pb = 0	Eff. ceil pressure dy - 2.00	2 A Deviator strees kg/cm² Stresses kg/cm²	Stress Mamb. 01-03 01 05 (01-03)/2 (01+03)/2 (01-02)/2	Kg kg km² cm² corr.	0.00 0.03 11,565 0.000 0.000 1,970 1.970 0.000 2.000	9.58 0.12 11.639 0.823 0.823 2.700 1.800 0.411 2.411 2.23	14.17 0.17 11.714 1.419 1.484 3.284 1.790 0.747 2.747 2.537	20.53 0.24 11.866 1,730 1,730 3,490 1,760 0,865 2,865 2,655	22.83 0.27 11.844 1.911 1.911 3.641 1.730) 0.8561 2.9301 2.000	0.30 12.02 2.06 2.165 2.165 3.855 1.690 1.082 3.082 2.772	27.58 0.32 12.184 2.283 2.283 3.943 1.680 1.132 3.132 2.812	29.11 0.33 12.266 2.373 2.373 4.040 1.670 1.187 3.187 2.857	30.03 034 12.349 2.472 2.402 4.002 1.650 1.216 3.219 2.688	30.79 0.35 12.433 2.477 2.417 4.161 1.640 1.260 3.260 2.900	31.561 0.36 12.319 2.341 2.564 4.134 1.530 1.282 3.282 2.912	0.38 12.663 2.607 2.667 4.227 1.620 1.303 3.300 2.923	33.76 0.38 12.783 2.637 2.637 4.257 1.620 1.318 3.319 2.33	34.32 0.38 12.873 2.566 2.566 4.286 1.620 330 3341 2.961	34.78 0.38 12.965 2.682 2.504 4.316 3.500 1.349, 3.349, 2.969,	35.24 0.38 13.057 2.088 2.714 4.334 1.620 1.357 3.357 2.977	35.70 0.38 13.134 2.718 4.338 1.620 1.359 3.359 2.979	0.36 11.344 2.715 2.715 4.335 1.620 1.358 3.358 2.978	35.70 0.30 13.443 2.707 2.707 4.327 1.520 1.353 3.353 2.973	36 6 77 13 543 2 662 2 692 4 322 1 630 1 346 3 346 2 976	36.46 0.37 13.644 2.672 2.672 4.302 1.530 1.336 3.336 2.966	36.39 0.36 13.747 2.647 2.647 4.287 1.640 1.323 3.323 4.300	36.39 0.36 13.852 2.627 2.627 4.267 1.540 1.313 3.319							\$0\$\$\rightarrow\$	

	#51.**   TP10U-2	TEST TYPE   CU-PWP	D HYDROPOWER	1770U 2.5 - 5.0m	TAGE (AT FARLURG)	No SO mm Co 35 mm	4	2,022 2,022	24.50 24.50 24.50	2.009 2.050	22.60 22.90 22.10	1,650 1,669	1.00	11,31 12,62	2,615 3,681 5,965	ž.,	2.407   3.940   6.993		2,167 3,500 6,133	3,815   5,881   9,965		マトラノ	ງ ງ				T								2 2 2 E	(01+0)	APPROVED BY	
	-	TEST	PROECT: DONG NAI 384 COMBINED HYDROPOWER	F 52	PROPERTIES & SHEARIN	920- 8 621		7, 0	* - X	7. olam	*	7. otcm ³	os ka tiem?	* 2	6	5	S( 60 + 6)		(01+03)2		VIOLED PACE PROPERTY	NATINE DESCRIPTION OF SPECIMEN	AT FAILURE		· · · · · · · · · · · · · · · · · · ·					- - - - - - - - - - - - - - - -	20,43		+		2, 11 %	PRINCIP	5	
	TRIAXIAL COMPRESSION TEST	mmary and report data shees) THÍ NGHIỆM NÊN BA TRỤC MÁC CÁO TỔNG HỚP)		-		4 b kg (ven 2	2		20 to trem? In MOSTINE	MET DENSITY	3 MOISTURE	ONY DENSITY	LATERAL STRESS	STRAIN	16 DEVIATOR STRESS	十	CENTER MORN CINCLE		40 M WILL EMECTIVE MORN		2	- E	<u>.</u>		. •	п•п				1		1			1			162a
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TRIAXIAL COMPRESSION TEST		DONG NAI 3&4 COMBINED HYDROPOWER	VO.	o contract		╀	⊥.	E	11.256	1,20	8	5 5	11630	8/1	11.767	11.867	11.948	12,030	12,113	12,198	12.283	12.370	12.458	12.548	12.638	12.730	12.824	12,918	13.014	13,112	13211	13.312	13.414											
PRES		MBINED HYDRO	0.766 Kg	3	Area A. = 11,256 cm ²	-	•	kg t/cm²	900	0,15	6. 5.	0.27	8 6	750	0.60	0.64	890	67.	0.74	9,76	0.77	0.79	0.80	0.81	0.82	0.83	0.84	8	0.35	1.85 1.85	80	889	0.85		1	1	1	T						
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