### Remarks Type of Drilling 0 : Disturbed Soil Sample Project the Study on Construction of Bridge Rolog Project No. over the River Popso in Wholes Date 31/10/39 - 8/11/39 & 24/11/99 - 28/11/99 Hole Number St-usi (FAX 1 of 1) Elevation FW-6838 (514 6+710) m. Driller Water Table QL-220 ın. Standard Penetration Test Remarks Sampling Density ٤ E Consistency S Ë Soil E £ N - Value 20 30 40 8lous Per Relative 1 or Consis Elevation ជ c Ceneral Sample 50 ō Each 15 cm Colour Depth Scale 5 Z S 5 Sand is fine to medium graned. Stightly sity and brace of mice throughout. Yary Cansa 16 likt Gry 104 27 58 101 BLOWS/30c Sort 6015 0-401 -67.50 61,00 10.50 Sty Sord Light Greg Yary Danse Non piestic. Sity fine sord. trace of mice throughout frace of gravel between 79 and 84m. 61.65 Q=11E 119 34 52 17 119 8LG)\$/30c 62 63 6115 0-128 10 24 12 18 20 BLO/\$5/30cm 64 \$1.65 6(95 0-1) 121 29 52 69 121 8LONS/300 65 66 66.35 U-11 E 125/23 35 128 BLCWS/23 67 67.65 0-45 109 34 44 68 109 BLOWS/30c 69 63.15 0-45 193 17 44 59 103 8LCVS/306 70 79.65 0-17 191 13 90 131 8roje2/300 <u>?1</u> 72 7.15 0-13 211 36 99 211 9L0)/S/30c 73 74 1865 0 17 104/15 12 104 IDE BLOWS/150 75 75.15 0 50 115/15 47 116 116 0.0057150 76 <u>-0-51-</u>125∕15 128 BLC/5/150 77 78 <u>a 52 a</u>[113/\S 80 [113 T 53 0/57/52 7<u>9</u> 0-53 151/\(\Delta\) 78 151 BLC/15/150 80 81 3 51 152/15 92 88 U-55 118/21 38 70 48/8 118 8LC|S/230 83 122 8LCWS/236 U-20 127/23 12 15 17/8 85 0-578 (34/2) 41 82 52/8 131 8LONS/230 86 87 0-50 25/23 44 70 58/8 125 8LOWS/23c 88 0-38 (130/23) 48 78 52/8 130 9.cys/23c 89 90 137 80 -EXO OF CRILLING 91

Este no en la estada de tratada esta la selectiva.

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Project	t No.	· · · · · -	<del></del> :		Pro	oject The St or the River Ru	ludy on Cons ass in Khulne	truction of Bridge Type o					_		D: Disturbed	Sell Samp	ie.			
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ë E	д	n m	ness in	ָּטַ	o. Soil	<b>5</b>	Relative Density or Consistency	General Remarks	Depth in m	Sample No.	N-Value	Blo Each	15 C		ιo	N - 20			50	
Scale	Elevation	Depth	Thickness	Send	?ype	Colour	Relat or C	Gene	S a	S. X	Bloss.	£251	<u>\$</u>	<u>\$</u>	<del></del>				٠.	
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3 4	0.24	£00	1.50	<b>**</b> ()	Sily Day	Light Brosa To Grey	1 1	Oxidized zone. Medium plastic. Trace of roots.	115 3.45	0-21	5	0	2	<u>.</u>	<b>)</b>	1	ļ			:
5	-1.86	5.50	1.50	<b>₩</b> ,	Sily Cay	Cres	Soft	Plastic. Trace of roots	465 495	0-38	3	0	+	(	<del>-</del>		ļ			
8 7	-276	7.00	1.50	×××	Cloyey Sit	Grey	Soft	Law plastic. With decomposed organic matter.	5.15 5.45	0-18	1	0	2	2	<b>,</b>		<del> </del>			
8	- 4.26	8.50	1.50	<b>*</b>	Silj Osj	Grey		Highly plastic. With decomposed organic matter.	7.65 7.95	6-3	1	0	0	. /						
9 10	-5.76	10.00	150	×××	Sondy Sit	light Grey		Hon plastic. Sand is line grained. Little clay.	9.15 9.45	D-5)	3	0	0	-[						
11					Sity Sond	light Grey	¥e5un	Sond is fine grained. Frace of mice throughout title sit et 0-9 and 0-10. With scams of dayer sit at 0-10.	10.65 10.95	0-78	21	,	10 1	4	-	1			-:- -: ::	
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30	-25.76	29.50	10.50	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	Saly Sand	light Grey	MeGurn	Sord is line grained. Frace of mice.	30.15 30.45	0-201	25	8	11	<u>.</u>		1				100
31	-26.76	31.00	1.50	<u> </u>													P	age.	l	
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### FIG Remarks Project the Study on Construction of Bridge over the Kiver Rupsa in Khudha Type of Drilling Rotory 0 : Dishubed Scill Sample Project No. Date 27/1/39 - 31/1/99 Hole Number 84-1842 (PACE 2 of 1) Driller Water Table Elevation 20011215 (\$14 61861) m. 0.-1.70 m. Standard Penetration Test Remarks Density Sampling £ E Consistency .5 .5 B Soil E N - Value Thickness Blows Per Relative I Elevation д S N-Value lows/30en Sample ö General Papt in in Each 15 cm 20 30 40 50 Legend Colour Depth Scale 25 Ş ğ Light Gry MeGum Sand is line grained. Trace of 30.15 0-20 26 30.45 Sity Sand 11 15 31 -26.76 31.00 1.50 Cense To Very Cense Sand is fine grained. Mith seams of sit. Trace of mice Sond Light Grey 31.65 0-21 48 12 20 32 33 1115 D-1218 52 12 24 52 8LC1 34 -29,76 34.00 100 Sand is fine grained. Trace of mica. Light Grey Sity Sond Cense 34.85 D-23E 12 13 16 35 35.50 - 31.26 1.50 Gef Little sand. Trace of decomposed argonic matter. Sity Cloy Stiff 36 36 15 D-26 E 37 -32.76 37.00 1.50 Light Gray Sand is fine grained. With seams of sit. Trace of decomposed organic malter. Sond Dense 37.65 D-25 31 17 15. 38 -34.76 38 50 1.50 Han plastic. Sand is line grained. Trace of mice Overghout. 39 Set with Sond light Gry Dense 12 39.15 0-76\$ 38 18 20 40 47.65 0-27E 13 41 42 1215 <u>0-2818</u> 30 14 43 43.00 -3876 1.50 Sond ond Sit light Grey Conse Sand is fine grained. Trace of clay and mice throughout. 44 0-29 16 45 45.15 45.45 42 0-301 19 46 15 55 D-3:18 47 13 12 48 4415 0-32E 35 12 49 50 1965 0-336 11 12 18 <u>51</u> 51.15 0-34 43 11 19 52 - 47.76 52.00 900 Sord Light Grey Yery Dense Sond is line grained. With seams of sit. Trace of day and mice. 53 \$2.65 52.95 D-35 \$59 12 59 BLOGS/XX 53.50 49.26 1.50 Sand is line grained Little sit. Trace of mica Droughout Sand Light Grey Yery Dense \$C15 0-368 12 15 34 48 82 8LOVS/30c 55 55.65 Q-37E 65 23 56 40 45 85 81.045/30cm <u>57</u> 24 0-3815 88 12 45 88 8LOYS/30cm <u>58</u>

With seams of sit. Little clay and trace of mica.

58 21

0-138

28 40

68 BLOYS/30c

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Ę.	Elevation	r r	Thickness	Legend	ŏ.	Colour	tive	General	Depth in m.	Sample No.	N-Value Blows/30cm	Each	15 c	m)	10	<b>20</b> 3	0 4	0 5	0
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### Remarks Type of Drilling Rolay O : Disturbed Scil Sample Project the Study on Construction of Bridge Project No. over the River Rugso in Khuko Date 1/8/33 - 4/8/33 Hole Number BR-142 (PASE 2 of 2) Driller Elevation Profittif (SIA 71082) m. Water Table 0.-070 Standard Penetration Test Remarks Density Sampling E Consistence .5 Soi .5 E N - Value Biows Per Thickness Relative I Elevation .9 2. 20 30 40 भूष्ट्र स Each 15 cm ថ Colour Depth Scale Type ž Š Light Gey SUII Plastic Hamagereous 30.15 0-20 14 6 8 Dojej Sit 6 31 31.65 31.55 D=218 11 6 32 33 3115 0-221 15 34 34.65 31.95 0-21 15 35 35 50 7.50 -32.28 Sordy Sit Light Grey Cense Non glastic 36 36.15 0-21 40 8 19 21 37 13 21 37.65 37.95 0-358 45 38 39 39.15 0-26 13 39 16 18 40 40.00 4.50 -36.78 Sond is fine grained. Yery sity and non plastic. Frace of mice throughout. Sily Sond Light Grey Cense 40.65 0-27E 40 12 17 41 42 12.15 0-28 50 14 22 50 BLC (S/XCC) 43.65 C-258 7 25 JA 21 8.015/30cm <u>45</u> (5.15 0-30) 13 76 36 (5.45 13 BLC (\$/30cm 46 45.65 0-3:15 69 22 31 36 ES BLC S/3CC 47 48 43.15 0-32 83 23 35 83 BL0 (\$/30cm 49 Very Cons 12.65 13.95 D-33E 83 25 38 45 -16.73 49.95 9.95 83 840 S/30c1 50 -eo d CRILLING-<u>51</u> 52 <u>53</u> <u>54</u> 55 56 57 58 <u>59</u> 60 Page.....

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	<u>Projec</u> Hole		er B		CE 1 of 3	0	oject The St or the River Rug		struction of Bridge Type o		ing 19 -15/10	Rotory 1/39		<del></del>		10 : U		ioit Sampi ed Soil Se		en by St	et,
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	10	-669	10.00	1.50	X X X X	Sond	Cohl Grey	Vedum	Sond is fine groined. Seoms of	9.45	N-913					<i>.</i>					
· ·	11	-819	11.50	1.50			2 . A . A .	. 1.≢ -, 3.	sill trace of clay and mice.	10 65 10 55	D-118	11	3	3	8		<b>}</b>				
	15		1.0		.:-{	Sity Sond	tight Grep	Nedun	Sond is fine grained. Trace of mice.	1215 1245	0-815	16	3	6	10		-}-	<b>-</b>		 ·	]
	<u>13</u>	-9.69	13 00	1.50	[×	Sond	Ught Grey	Leose	Sand is fine groked. With seams of sRL Stightly day. Trace of arganic matter and	1165	,	34		,	3		Z				
	14 15	-11.19	14.50	1.50	√V × * ≠	Ocyes SI	tight Grey	Vedum	Trace of argonic matter and mice.  Town plastic. With seams of fine	1165 1395 1455	0-91	5	-	2	1	. •					
÷	16	-12 69	16.00	1.50	×××				sord. Iroce of mice.	15 00 15 15 15 15	0-105	7	1	3	1	•		7.	 : : :		
-	17				X	Sit	Light Grey	SUIF	With seams of fine sand and trace of mica throughout, frace of day at 0-11, Little day below 12m, Trace of decomposed	16.65 18.95	<b>0</b> -1118	<b>11</b>	4	•	,				;		
	18				X X X X X X X				below 18m. Trace of decomposed argonic molter below 20.5m.								\ \ \ 				
-	19	1 V <sub>1</sub>		T.A.	*					1815 1845	0-126	12	4	5	-		Î				
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Water Table (	Depth in Thickness Legend	Flevation Provided Collinsity Coll Collinsity Coll Collinsity Coll	Date  (SIA 2+240) m. Driller  Signature  Sig	Samp  G # # # # # # # # # # # # # # # # # #		N-Value Blows/30cm	Blows ach 15	Per	rd Pene	N - V		50
## ## ## ## ## ## ## ## ## ## ## ## ##	Depth in m Thickness in m Legend	Type of Soil Colour Relative Density	tor plastic. Homogeneous. Irace of fire and a mice and argonic	30.15 30.45 30.45 31.65 31.65 31.65	Sample No. 10	E Blows/30ci	Blows ach 15	Per cm	1	N - V	/alue	50
31 32 33 34 35 36 37 38 39 40 -x66 42 43 44 -11.13 41.50 45 46 47 48 49 50 -17.15 50.50 51 52 55 51 52 55 51 52 55 55 51 55 55 51 55 55 51 55 55 51 55 55	Thickness Legend	Type of Colour Relative	tow plastic. Homogeneous. Trace of fine sand & mice and argonic	30.15 30.45 31.65 31.65 31.95	0-2015	E Blows/30ci	ech 15	15cm		N - V 20 3	/alue 0 40	50
31 32 33 34 35 36 37 38 39 40 -3669 4200 41 42 43 44 -11.15 41.50 45 46 47 48 49 50 -12.15 5050 51 52 53 -50.19 53.50 54 55 -51.15 55.00			tow plastic. Homogeneous. Trace of fine sand & mice and argonic	30.15 30.45 31.65 31.65 31.95	0-2015	10	1 5		<u>,</u>			
32 33 34 35 36 37 38 39 40 -369 4200 41 42 43 44 -11.19 41.50 45 46 47 48 49 50 -12.19 50.50 51 52 53 -50.19 53.50 54 55 -51.19 55.00	**************************************	Sily Ooy Uohl Gey Sill	toe plastic. Manageneous. Irace of fice sand & mice and organic matter throughout.	31.65 31.95	0-218			5				
33   34   35   36   37   38   39   40   -3669   4200   41   42   43   44   -11.19   41.50   45   46   47   48   49   50   -12.19   50.50   51   52   53   -50.19   53.50   54   55   -51.19   55.00	**************************************			33.15 33.45		8	4		- 11			-1
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43 44 -41.13 45 46 47 48 49 50 -42.14 50 51 52 53 -50.19 53.50 54 55 -51.69 55.60		Sily Gey Grey Stiff	tow plastic. Little decomposed organic matter and trace of fine sand.	40.65 40.95	0-27	16 6	6	8				1-1
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Project No.

Project the Study on Construction of Bridge

Type of Drilling Rotory

<u>Remarks</u> 0 : Disturbed Soil Sample

Hole Number 81-142 (PAGE 3 of 3)

over the River Rupse in Khulna

1/8/99 - 5/8/99 Date

Driller Elevation Pi0+3067 (SIA 1+345) m. 0\_-1.00 Water Table m. Standard Penetration Test Remarks lative Density Consistency Sampling E 2 S Soil E E N - Value 20 30 40 g Elevation Relative or Consi 2. 50 ö General Each 15 cm 9 8 8 Colour Depth Scale 2 5 Yery Cense Sand is line grained. Non plastic. Irace of mica Uracyhout. 60.15 0-4015 117 30 52 15 Sily Sand light Grey 117 BLC 5/30c 61 61.65 0-115 122 33 54 68 122 810 5/300 62 63 6115 0-128 127 36 61 65 127 810/5/300 64 6165 0-UE W 49 65 68 133 8(c)/S/30c 65 66 65.15 0-14 139 40 61 75 139 8LOWS/300 67 6765 6-45 119 12 52 119 BLD/S/30cm 68 69 69.15 0-45 125 44 61 64 125 BLGWS/39cr 70 70 65 0-47 134 50 62 72 134 8KOVS/33cm 71 72 72.15 0-48 146 55 70 76 145 BLOWS/30ca 73 0 49 105/15 65 165 105 BLONS/15cm 73.65 73.80 74 <u>75</u> 0 50 110/15 72 110 110 810 57 50 75.15 75.30 76 <del>0 51 | 105/15 | 85 | 105</del> 105 BLOWS/1501 77 78 <del>8 52 (111/</del>15 78.15 78.30 79 11 (8:0)\$715ca 79 0-53- 116/15 87 118 BLOVS/18cm 80 81 -0-54<sub>24</sub>122/\5 94 122 122 BLCWS/15c -78.23 81.30 21.60 -END OF DRILLING-85 83 84 85 86 87 88 89 90 Page.....

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### Remarks Type of Drilling n - Ostubed Scil Sociale Project The Study on Construction of Bridge Retory Project No. UD : Undisturbed Soil Sample taken by Sheby Note over the River Rogso in Xhulno Date 9/10/99 - 11/10/99 Hole Number 8x-1887 (PACE 1 of 2) Driller Elevation Pro+3.353 (\$1A 9+355) rn. Water Table 0. -1.60 m. Standard Penetration Test Remarks Density Sampling E Consistency д. Soil Ę В E N - Value 20 30 40 Blows Per Thickness Relative 1 or Consis Elevation q ģ General Sample 능 Sept a e Each 15 cm 10 50 Colour Scale ad ( š ě Oxidized at top. Plastic at top. High plastic at bottom. Light Breen To Grey Very Soil Ocycy 5H Ā 165 155 D-IR 1 ٥ 0 2 3 315 145 0-21 465 V2~1 -1.15 4.50 1.50 450 465 485 5řt Gey Yory Soft With seams of fine sand frace of mica. 2 0 0 2 0-36 5\_ 6 615 0-18 0 0 EELS PEKETRATION BY HAVVER 7 -3.65 7.00 250 tight Grey Yery Loose Sand is fine grained. With seams of sit. Iroce of mice. Sond 765 6-58 8 -5.15 8.50 1.50 Sity Sond Light Grey Loose Send is line groined. Trace of 9 9.15 9.45 D-613 6 10 10.65 10.95 D-7E 7 11 11.50 300 -8,15 Light Grey With seams of fine sand, Trace of decomposed arganic matter. 12 1215 1215 1255 0-86 10-2 13 -10.15 13.50 2.00 Sond is line grained. With seams of s≥t. Irace of mice. Sand Light Grey Locse 0-98 14 15 15.15 0-10 N 16 -1265 16.00 250 Sond is fine grained. With fille sit. I trace of mice throughout. With seams of sity clay of D-12. With seams of sit at D-16. Sond Light Grey Vedera 16 65 16 95 0-118 12 17 18 1415 D-12E 13 5 3 19 9 10 1365 0-138 23 20 21 21.15 0-14 21 7 10 22 2265 0-15 22 10 11 23 24 2(15 D-16) 14 5 25 -22.15 25 50 9.50 <u>U-J</u> Very Dense Sond is fine grained. With Ville sill. Irace of mica. D-17 52 Sond Light Grey 11 23 29 52 8L045/30cm 26 27 27.15 27.45 0-10 N 18 21 27 51 51 8L045/30cm 28 11 26 30 29 0-19 56 81.0 /S/XXxn -26.15 29 50 1,00 Sond is fine grained. With seams of sity clay. Sond Light Geg Nesturn 30 14 0-20 22 Page.....

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Project No.

Hole Number 84-1(87 (PASE 2 of 2)

Project The Study on Construction of Bridge over the River Rupso in Khulina

Type of Drilling Rolay

Date 1/10/99 - 11/10/99

Remarks ANN HALLOW AND A D: Disturbed Scit Somple UO: Undisturbed Scit Somple laken by Shoby Tube

Wal	er	Table	O.	1.60	1	n. Ele	vation FW	0+3.353 (51	A 9+355) m. Driller	<u> </u>			· · · ·	_	:						
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	en un	Elevation in	th in m	Thickness i	Legend	e of Soil	Colour	Relative Density or Consistency	General Re	Depth In m	Sample No.	N-Value lows/30cm	Eac	15 P	¢m	1	0 \$0 N	- \ ) 3	/alu 0 4		0
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# DRILLING

m.

Driller

Project the Study on Construction of Bridge

Type of Drilling Rotor

BH-ZVAT (PACE 2 of 3) Hole Number

Project No.

over the Kier Pupso in Khulno

FW0+2.995

Date 15/8/99 - 18/8/99

<u>Remarks</u> Disturbed Soil Sample UO. Undisturbed Soil Sample taken by Shelby lube

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Elevation Water Table 0.-1.70 m. Standard Penetration Test Remarks Sampling Density E Consistency E Son 9 8 N - Value Blova Per N-Value Blows/30cm Thickness Relative or Consi 뎚 General Sample 20 30 40 5 Elevation Pept F Each 15 em 10 ซ Colour Scale Depth 37.50 ž ž Š Sand is fire grained. Non Plastic, trace of mice, trace of decomposed argonic, matter 0-21 Sily Sord Geg 0.20 32 9 14 18 31 31.65 0-21E 27 n 11 32 -29.50 32.50 100 Sond is line grained. Sighliy sity, knoce of mica troughout Sond Light Grey Cense 33 33.15 0-22 54 11 14 20 34 34.65 34.35 0-23 35 14 15 20 35 36 35.15 0-21 36 15 16 20 37 37.65 0 2518 48 18 22 26 38 -35.50 38.50 6.00 Sora Light Grey Very Cense Naterial is some as obove layer 39 39.15 0-26 57 18 27 30 57 BLOYS/30cm 4Ò -37.00 40.00 1.50 Sand is fine grained. Non plastic, trace of mica. Sity Sand Goll Ger Decse 1055 0-276 45 16 22 23 41 150 -38 50 41 50 Very Cease Waterial is some as the above Sily Sond Light Grey 42 1215 0-28 58 15 28 30 58 BLOVS/30cm 1.50 43 10 00 43.00 Very Conse Sand is the grained Sightly Sity frace of mice broughout Sort light Grey 22 35 1355 0-29 88 52 8.5 81.045/30cm 44 45 45.15 0-30 102 26 42 60 102 8LC/S/30c 46 16 65 TO-318 76 22 32 44 76 8t0 \$/30cm 47 11.50 47.50 1.50 Silly Sond Light Grey Cense Sand is fine grained. Non plastic, frace of mica. 48 41.15 13.45 D-32.8 45 21 20 49 -45.00 49 00 1.50 Plastic. With seams of sity fine sand and trace of mice troughout. Ocjej Sit light Geg Hord. 1965 0-33E 32 10 15 15 <u>50</u> 51 51.5 15-317 33 11 16 52 15 16 51 65 D-35 N <u>53</u> 54 54.15 0-361 40 II 18 22 -52 00 55.00 € 00 <u>55</u> Sand is fine grained. Non Postic. Frace of seams of dayey sitt and mice knowfoul Sity Sond light Geg Dense 48 20 28 \$5.65 55.95 **D-37**8 14 56 <u>57</u> 57.15 0-3815 57 18 23 и 57 BLC 15/30cm 58 23 32 38 54 65 58 65 0-39 15 70 79 BLOVS/3001 59 60 0-10 40 87 BLO \$/30cm for f Censu -5100 61.00

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### Remarks 0 : Disturbed Sail Sample Type of Drilling Relay Project No. Project the Study on Construction of Bridge over the River Rupsa in Khulno 8/8/99 - 10/8/99 Date Hole Number B1-2VP1 (PACE 2 of 2 ) Elevation PNO+2 889 Driller Water Table QL-080 m. Standard Penetration Test Density Sampling E Consistency ន Soi Ę E N – Value 20 30 40 Blows Per Relative D or Consist Elevation 9 .5 ö Each 15 cm Colour Scale ž Ocycy Sil Gey Stiff Piostic. 30.15 D-2015 15 5 7 31 -28.41 31.30 130 Sondy Sit Light Grey Dense Non plastic. 31.65 0-21 34 7 15 19 32 33 33.15 0-228 35 8 17 18 34 -3011 34.00 2.70 Non plastic. Yery sity: Trace of mice throughout. Sity Sond Light Greg 34.65 <u>0-238</u> 39 11 19 20 35 38 36.15 0-24 42 10 19 23 37 37.65 0-25 49 13 18 22 38 39 39.15 0-26 13 13 19 24 40 10.65 40.95 0-27 65 23 32 33 65 8t0\S/30cr 41 Very Dess 42 4215 0-28 66 26 35 31 65 8LOVS/30cm 43 1165 1395 E-29 5 30 10 12 45 11 14 45.15 D-30E 33 46 15.55 0-31 35 12 15 21 47 48 4815 0-321 40 14 18 22 49 Dense 19.65 19.95 0-318 11 14 19 22 - 47.06 43.95 15.95 -END OF DRILING-<u>51</u> 52 53 54 55 56 57 58 59 60 Page.....

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### Remarks Project the Study on Construction of Bridge Type of Drilling Rotory O: Oisturbed Soil Sample Project No. over the River Rugsa in Khulna 19/7/99 - 72/7/93 Hole Number BH-28A2 (PACE 2 of 3) Date F#0+3.865 Driller Elevation m. Water Table 0.-1.20 m. Standard Penetration Test Remarks Sampling Density ε E Consistency Д. .5 Soii E E N - Value 20 30 40 Elevation c Relative J Ç General Sample Pepth H ö Each 15 cm Depth 7,20 With filtle sit. Seems of sity sand and sand with sit. Frace of arganic matter and snal at 0-21. Light Grey Sond Cense 15 20 30.15 10-30 to 20 31 31.65 0-218 32 15 15 - 28 E4 32.50 4.50 × × × × × × × × × × × × × Very Still Fills seems of sand. Frace of organic motter and mice. SZI Ughl Ger 33 33 15 0-27 8 21 12 10 34 31.65 0-238 20 10 35 -31.61 35.50 300 Picstic. Irace of organic matter and snak Onjej Sit Light Grey Yery soft 36 36.15 D-24 B 0 37.00 37 -33.11 1.50 Sond is fine grained. Little play: Trace of organic matter. Sondy Sits Gref Very Soft 37.65 10-251 38 39 39.15 Q-25.13 ١٥ 0 40 -36.14 10 00 100 Stiff Sand is fine grained, tillle clay trace of argonic motter. Sondy S21 Geg 10 65 D-27 E 41.50 1.50 -37.64 Lew piastic. Proce of argonic matter. V Cope 531 Stiff to Yery Stiff 42 1215 1245 0-2818 14 43 1365 0-2918 15 44 -1261 11.50 300 Low piastic. Reace of organic maller livroughout. Little sand below 45m. Ocer St SiRF Fo Medium Cer 45 15.15 0-30 E 46 16.65 15.95 DEJIE 47 18 18.15 D-3218 49 19 65 0-33 50 51 \$1.15 D-318 52 Vedun 52.65 52.95 0-35 N 53 8 3 -43.E4 53.50 1.00 Geg Very Dense Sand is line grained. With sit, Trace of arganic matter. Sor 4 54.15 p-36 123 13 80 123 8LOWS/30c 55 -51,15 55 00 LSO Sily Sord Grey Yery Dense Sand is line grained. Trace of 0 37 150/15 150 BLOWS /150 56 57 0-38-110/\s 58 74 12 74 8LOVS/30cm 59 0-39 60 0-40 109 109 8LCMS/30c -57.14 61.00 Page.....

# FIG DRILLING LOG

Project No.

Project Re Study on Construction of Bidge Type of Drilling Relay

One the River Regist in Nulves

Date 19/1/93 - 22/1/59

Water Table Q.-120 In. Elevation FRO-1855 In. Driller

Remarks

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### Remarks Type of Drilling D : Disturbed Soil Sample Project the Study on Construction of Bridge Retory Project No. over the River Rugsa in Khulna 1/8/99 - 9/8/99 Date 84-2VIZ (PACE 2 of 2 ) Hole Number Driller £10+1.837 Elevation m. Water Table Q.-0.20 m. Standard Penetration Test Remarks Relative Density or Consistency Sampling 8 £ В £ 8 E ផ N - Value 20 30 40 N-Value Blovs/30cm Blovs Per Elevation 9 5 Sample ซ General Each 15 cm 50 Colour ź Depth Scale \$ \$ Ş Piostic, Like arganic molter et 0-17 and 0-20. With arganic molter et 0-18 and 0-19. Irace of fine sond up to 25m. With little fine sond et 0-20. Sily Day Geg Kedua 3015 0-201 10 4 4 6 **√**¥′, 600 31.00 31 -29,10 W.W. Hord Light Grey 31.65 0-218 38 7 18 20 32 With seams of fine sand. Trace L30 -30.43 32.30 of promic malle Site Sord tight Ger Dense Sand is fire grained. Trace of mica. 33 33.15 D-228 49 11 21 28 34 -3219 34.00 170 Yery Dense Sand is the grained. Trace of mica. Sity Send Light Grey 1 65 0-23 ES 45 18 35 82 BL0/S/30cm 35 36 35.30 0-24 S 22 39 50 99 BLC 15735Ca -3510 100 37 37.00 Nth lite sit and trace of mice Broughout. Send is fire to medium grained at D-25 & 0-23 and D-29. Sand is fire grained between J9m and 43m below 45m. Light Ger Sand Dense 37.65 D-25 8 45 12 18 27 38 39 39.15 0-25 57 22 32 35 67 BL0 \$5/30cm 40 40.65 D-27 8 62 20 29 33 52 BL0 \$5/30cm 41 42 12.15 C-28 \$ 74 23 34 40 74 BLO45/30cm 43 Yory Conse \$3.55 G-29 52 18 22 30 52 BLO S/30cm 44 45 45.15 B-30 1 48 15 21 27 Cense 46 (5.55) 0-3ig 52 19 25 27 52 BLOGS/30cm 47 48 13.15 14.15 Q-32.18 57 23 27 57 8LC 5/30cm 49 Very Cerse 63.65 C-33E 53 23 27 58 8L0V/5/30cm 50 51 51.15 0-348 49 25 22 27 Öense 52 52 65 0-35 8 62 22 27 35 62 8LO/5/JOEM <u>53</u> 54 5415 0-368 63 21 28 34 63 BLO (5/30cm 55 55 15 D-37 E 68 24 32 68 8L015/30cm <u>56</u> 57 57.15 0-38 17 25 35 12 11 8L045/30cm 58 20 26 32 36 0-391 58 58 BLOYS/30cm 69 Very Dense 60 0-40 70 BLOVS/3004 -58.55 Page.....

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	54	-51.24	53.50	150		Silly Sond	Light Crey	Yery Dense	Kon plastic. Sand is fine grained. Trace of mice and seams of clayey sil.	5C15 SC45	0-36	92	32	10_	52		92 BLG	5/30cm		) ///	
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