Appendix-8

Drill Logs

## Drill Logs

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E NO.B	$\sim$	une TO 21 June 1993	NO. INSTER	E <sub>O</sub>						
	for R			heterogencus with pockets of yellowish grey silty clay and occasional quartz, feldspar, granitic and doleritic cobbles	1 5 7 5	coarse grained moderately weathered moderately weak and massive with occasional large isolated crystals of feldspar	Coarse grained slightly weathered very strong with very widely spaced joints and fissures			
, T	on the 44)	3~59,6	<u> </u>	Silty sand	y Sandy ff clay	Granite Granite	Granite	·		
DI	sic Design Bridge (R	1 m   DIAMETER 75	SEC DENZ OB COLOR SECTION THICKNESS	X Q Brown X X X Y Drown			5 +++ +++ 0 +++ grey	 		
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JRDINAT FE	DESC	coarse graine completely we very weak coarse grainec moderately we strong and ba with closely s joints	coarse graine slightly weat very strong medium spac and fissures				· · · · .		
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т 29.6	AIAJTAM	20	Gneissic Granite						
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	ject for Rehabilitati coordinate N:	DATE FROM 17 DESCRIPTION	Coarse grained, slightly weathered, massive, very strong with widely spaced joints coarse grained highly weathered, weak coarse grained highly weathered, strong and massive with closely strong and massive	coarse grained, highly weathered coarse grained, moderately weathere moderately strong an banded with very	Actosely spaced joints coarse grained, fresh very strong with widely spaced joints	spaced joints	· . · ·
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Ĩ	the	WATERIAL	Granite Granite Granite	Granite Gneissic Granite	Gneissic Granite		
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S - 3 SI CLIENT DEFTH OF HOLE	S CHECKD Mutowembwa I TEST VALU STANDARD PENET- RATION TEST DEPTH Blow Blows 10cm N VAL		·						· · · · · · · · · · · · · · · · · · ·							
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Rehabillitat N :	E FROM 15 DESCRIPTION	subangular, well graded with occassional quartz gravel	coarse grained,fresh very strong with widely spaced joints	ely weathered, tely strong grained,fresh ona with widely												
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- I CI I	۸ MATERIAL رو ش FORMATION	5	Gneissic Granite	Gneissic Granite Gneissic	Granite	· · ·			<u></u>		<u></u>		1 <del>9 - 12 - 11 - 11 - 11 - 12 - 12 - 1</del>			
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HOLE NO	Rural Roads	26 June 1997	<u>کے ہے</u>								
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	ehabilitat.i	COORDINATE N: DATE FROM24 Ju	DESCRIPTION	subangular, well graded	homogeneous subangular coarse with some fine material and quartz and feldspar cobbles	fissured, with occasional fragments	coarse grained slightly weathered very strong and massive with closely	spaced joints and fissures			
LOG	the	~ 59.6 m	AATERIAL FORMATION	[] 	σ	Silfy clay	Granite	<u>.</u>			
ILL	Study ọn	ER 75.3	A S C LOOK	sompact S	loose	very Stiff	<u> </u>				
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	NIPPON KOEI CO., LTD. CONSULTING ENGINEERS, TOKYO.
	* CONSISTENCY OR RELATIVE DENSITY * UbiFied Soil classification

						HOLE NO. (	)
DRILL RIG Mole DRILLED Marimirofa	10		1				
CLIENT     J I CA       DEPTH     J I CA       DF HOLE     I I. 4 m       CHECKD     Mutowembwa	TEST VA STANDARD PENET- RATION TEST DEPTH Blow Blows	0 3 4 3 9 3 0 0 0 0 0 0 0 0 0 0 0 0 0	3.3 50/0 4.0 5.3 50/1 5.3 50/0	6.0 8.0 9.0 9.0 50/0 9.0 50/0 9.0 50/2	0 0		
itation of Rural Roads E: i30 June TO 2 July 1993		e e e s o s	<u>&gt;</u>	ed ed with losely 's			
<u>а</u> <u>9</u>	PORMATION DESCRIP	homogeneous subangular, c with some quo feldspar, gra and doleritic	coarse grained weathered very very closely sp joints and fiss with greenish-	coarse grain slightly wea very strong extremely c spaced joint			
study on 1 E <sup>R</sup> 75.3	COLOR CONSIST'CY* CONSIST'CY* U.S.C*	pinkish brown loose	+ pinkish grey Grani te	+ dark pinkish grey Granite	+ + +		NSITY
The B I Pem	SECLION LHICKNEZZ DELLH ETEAVLIONZ	0.5 3.0 3.0	છ હાં		2983.371   . 4 - + + + + + + + + + + + + + + + + + + +		E CONSISTENCY OR RELATIVE DENSI
PROJECT LOCATION ELEVATION	SCALE DATE						* CONS

0. 9 OF17	DRILL RIG Mole	LUES VALUE 20 30 40			
The Basic Design Study on the Project for Rehabilitation of Rural Roads   CLIENT   JICA	E: T029 June 1993	SAMPLING INSITUTEST FEA FEA Composition TEST RATION TEST DEPTH Blow Blows Composition 10cm			
	75.3 ~59.6 m DATE FROM 28 JUL	CROUND W.L.	subangular, well graded with occasional pebbles coarse grained, highly weathered, very weak with very closely spaced joints	coarse grained, slightly weathered, very strong with very closely spaced joints and fissures	
		U.S.C. REL. DENS.	Granite Granite	Granite Granite	
	zi River 3m DIAME	COLOR SECTION THICKNESS DEPTH	5 0.5 XXX 1944 +++ +++ pinkish +++ brown ++++ +++ +++ +++	ທ ວ	
PROJECT T	LOCATION ELEVATION 2	ELEVATIONS SCALE DATE		l	

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			· .		 HOLE NO.
10 OF17 DRILL RIG Mole DRILLED Marimirofa					
BP - 4     SHEET N       CLIENT     JICA       DEPTH     JICA       DEPTH     B.5m       CHECKD     Mutowemb       CHECKD     PENET	SST Slows	0 4 0 W 4 0 50/0 0			
HOLE NO. HOLE NO. E: July T04 July 1993 Age SAMPLING INSTRU- TEST		<u>-</u> - <u>-</u>			 
	PCKUPTION beschuption homogeneous subangular, coarse, with some quartz, feldspar, granite ar dolerite pebbles an cobbles	coarse grained, slightly weathered, very strong extremely closely spaced joints with a very stiff greenish grey clay between joints		 	 
DRILL eesign Study on t iver or Holer 75.3 ~	NATE SECTIONSIS SECTIONS SECTI	Granite + + + + + + + + + + + + + + + + + + +		 	 
THe Basic ATION Pembezi ATION 2994,90m	LHICK DEI		5 5 5	 	 
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DRILL LOG

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- 11	5 년 5 년						······	· · ·		
		FROM 30 June	AND CASING GROUND W.L.	Do la		S S S S S S S S S S S S S S S S S S S	ω. Δ	<u></u>		
Dahahilitation			NO	weil graded granitic	nade ground) ous ar, coarse	coarse grained, moderately weathered, moderately weak with closelv spaced joints	coarse grained, fresh very strong and massive with widely spaced joints and fissures		·	
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	Project for Rehabilitation	FROM 15 J	DESCRIPTION	coarse grained, o	cemented, coarse grained	moderately weathered	slightly to faintly weathered with depth, coarse grained, fractured fractures are infilled with greenish white material and tight	
LOG	on the Pr	~ 59.6 🏨	MATERIAL FORMATION	Sand	Sandy clay		G anite et	
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