



DRILL LOG

SHEET NO.2 OF 5

SITE		TRO DAMSITE		LONGITUDE		HOLE No.		ELEVATION		DEPTH	
LATITUDE		1991/06/28 ~ 1991/07/22		27° 0' 0" W, 180° 0' 0" E		JD-103		253.80m		150.00m	
DATE		1991/06/28 ~ 1991/07/22		27° 0' 0" W, 180° 0' 0" E		DATE		COPE RECOVERY		WATER PRESSURE TEST	
ANGLE		180° UP, 00° HN		DIRECTION		HORIZON		X (m)		X (m)	
DEPTH		GEOLOGICAL AGE		ROCK TYPE		SLOPE		BIT & DIAMETER		WATER LEVEL	
SCALE		ELEVATION		COLUMN SECTION		DESCRIPTION		DATE		R.O.D. X (m)	
		ROCK CLASS		ROCK TYPE		DESCRIPTION		DATE		R.O.D. X (m)	
30.30	223.50	Weathered Basalt	C1-D	Highly weathered and brecciated. Brown, silty. A little organic.	7/04	0	0	0	0	0	0
31.00	222.80	Hard Clay	D	Highly weathered and altered. Soft, friable.	7/04	50	50	50	50	50	50
32.00	221.00	Weathered Basalt	C1	Fresh, hard, sparsely with pores. Inclined joints with white stains.	33.00	100	100	100	100	100	100
33.00	220.60					150	150	150	150	150	150
33.50	220.30					200	200	200	200	200	200
34.00	219.80					250	250	250	250	250	250
35.00	219.20					300	300	300	300	300	300
35.50	217.30					350	350	350	350	350	350
36.00	216.80					400	400	400	400	400	400
37.00	216.00					450	450	450	450	450	450
38.00	216.80					500	500	500	500	500	500
39.00	214.80					550	550	550	550	550	550
40.00	213.80					600	600	600	600	600	600
40.80	213.20					650	650	650	650	650	650
41.00	212.80					700	700	700	700	700	700
42.00	211.80					750	750	750	750	750	750
42.20	211.52					800	800	800	800	800	800
43.00	210.80					850	850	850	850	850	850
43.20	210.60					900	900	900	900	900	900
43.70	210.10					950	950	950	950	950	950
44.00	209.80					1000	1000	1000	1000	1000	1000
45.00	209.20					1050	1050	1050	1050	1050	1050
46.00	207.80					1100	1100	1100	1100	1100	1100
46.30	207.42					1150	1150	1150	1150	1150	1150
47.00	206.80					1200	1200	1200	1200	1200	1200
48.00	205.80					1250	1250	1250	1250	1250	1250
49.40	205.40					1300	1300	1300	1300	1300	1300
49.00	204.80					1350	1350	1350	1350	1350	1350
50.00	203.80					1400	1400	1400	1400	1400	1400
51.00	202.80					1450	1450	1450	1450	1450	1450
52.00	201.80					1500	1500	1500	1500	1500	1500
53.00	200.80					1550	1550	1550	1550	1550	1550
53.20	200.52					1600	1600	1600	1600	1600	1600
54.00	199.80					1650	1650	1650	1650	1650	1650
55.00	198.80					1700	1700	1700	1700	1700	1700
56.00	197.80					1750	1750	1750	1750	1750	1750
57.00	196.80					1800	1800	1800	1800	1800	1800
58.00	195.80					1850	1850	1850	1850	1850	1850
59.00	194.80					1900	1900	1900	1900	1900	1900
59.20	194.20					1950	1950	1950	1950	1950	1950
60.00	193.80					2000	2000	2000	2000	2000	2000

R.O.D. is Rock Quality Designation, P.O.D.-(total length of cylindrical cores longer than 10 cm/(Total drill length) x 100%  
 X(LUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 X(DEPTH and ELEVATION are in meter  
 X(DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO



# DRILL LOG

SHEET NO. 4 OF 5

Fig. B-26

SITE		TRO DAMSITE		LONGITUDE		HOLE NO.		ELEVATION				
LATITUDE		191° 06' 28" ~ 1991/07/22		270° W 180° E 90°		JD-103		253.80m				
DATE		1991/06/28 ~ 1991/07/22		HORIZONTAL		CORE RECOVERY		DEPTH				
ANGLE		180° UP DOWN		90°		%		150.00m				
SCALE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN SECTION	ROCK CLASS	DESCRIPTION	DATE	BIT & DIAMETER	WATER LEVEL	R.O.D. * (m)	WATER PRESSURE TEST
91	91.00	163.80		Basalt		Ch	91.5m - 92.0m. Weathered, soft.	7/15	91.25	7/15	0	
92	92.00	162.20		Basalt		C1		95.00			50	
93	93.00	161.80		Basalt		Ch					100	
94	94.00	159.80		Basalt		Ch					150	
95	95.00	157.80		Weathered Basalt		C1	Highly weathered, soft. Cores are partly fragmental.				200	
96	96.00	155.80		Basalt		B	Fresh, hard, massive. Non-vesicular. Vertical cracks at 99.0m - 100.0m. with white silty inclusion in joint.	7/16			250	
97	97.00	155.80		Basalt		B					300	
98	98.00	155.80		Basalt		B					350	
99	99.00	154.80		Basalt		B					400	
100	100.00	153.80		Weathered Basalt		C1	Highly weathered, soft. Partly hard vesicular basalt is included. Irregular composition seems intermingling.				450	
101	101.00	152.80		Weathered Basalt		C1					500	
102	102.00	151.80		Weathered Basalt		C1					550	
103	103.00	150.80	YOUNG LAVAS	Weathered Basalt		C1					600	
104	104.00	149.80		Basalt		Ch					650	
105	105.00	148.80		Basalt		Ch					700	
106	106.00	147.80		Weathered Basalt		C1					750	
107	107.00	145.80		Basalt		Ch	Slightly weathered, vesicular, hard. Some weatherings along joints.				800	
108	108.00	145.80		Weathered Basalt		C1	Decomposed, soft.				850	
109	109.00	144.80		Basalt		C1	Fresh, hard. Vesicular in the top 40cm and the bottom 200cm. Reddish brown hard clay thinner than 10cm is intercalated between 112.4m and 113.4m. A 5cm thick yellow brown clay seam at 113.6m.	7/17			900	
110	110.00	143.80		Basalt		Ch					950	
111	111.00	142.80		Basalt		Ch	Slightly weathered, vesicular. Intermingled with yellowish brown clay which appears to fill large pores in basalt. Clay inclusions are sometimes so large as to intercept basalt cores.				1000	
112	112.00	141.80		Basalt		Ch					1050	
113	113.00	140.80		Basalt		Ch					1100	
114	114.00	139.80		Basalt		Ch					1150	
115	115.00	139.80		Basalt		Ch					1200	
116	116.00	137.80		Basalt		Ch					1250	
117	117.00	135.80		Basalt		Ch					1300	
118	118.00	135.80		Basalt		Ch					1350	
119	119.00	134.80		Basalt		Ch					1400	
120	120.00	133.80		Basalt		Ch					1450	

\*R.O.D. is Rock Quality Designation. R.O.D. = (total length of cylindrical cores longer than 10 cm) / (total drill length) x 100%  
 \*LUGGON VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
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# DRILL LOG

SHEET NO.5 OF 5

Fig. B-27

SITE		TPO DAMSITE		LONGITUDE		HOLE No.		ELEVATION		DEPTH	
LATITUDE		DIRECTION		SLOPE		DATE		CORE RECOVERY		WATER PRESSURE TEST	
DATE		ROCK TYPE		DESCRIPTION		BIT & DIAMETER		R.O.D. (m)		From To Logon Value X Value	
ANGLE		GEOLOGICAL AGE		ROCK CLASS		HORIZON		% (m)		From To Logon Value X Value	
DEPTH		COLUMN SECTION		100cm Intervals.		90°		0 50 100		0 10 20 30 40 50	
SCALE		Basalt		B		7/19					
121	121.00	132.00									
122	122.00	131.00									
123	123.00	129.00									
124	124.00	128.00									
125	125.00	128.00									
126	126.00	127.00									
127	127.00	126.00									
128	128.00	125.00									
129	129.00	124.00									
130	130.00	123.00									
131	131.00	122.00									
132	132.00	121.00									
133	133.00	120.00									
134	134.00	119.00									
135	135.00	118.00									
136	136.00	117.00									
137	137.00	116.00									
138	138.00	115.00									
139	139.00	114.00									
140	140.00	113.00									
141	141.00	112.00									
142	142.00	111.00									
143	143.00	110.00									
144	144.00	109.00									
145	145.00	108.00									
146	146.00	107.00									
147	147.00	106.00									
148	148.00	105.00									
149	149.00	104.00									
150	150.00	103.00									

R.O.D. is Rock Quality Designation, R.G.D.=(Total length of cylindrical cores longer than 10 cm)/(Total drill length) x 100%  
 PLUGGON VALUE is l/min/m under injection water pressure of 10kg/cm2  
 DEPTH and ELEVATION are in meter  
 DIAMETER is in millimeter

## DRILLING LOG OF JD-103 (5/5)

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO







DRILL LOG

SHEET NO. 1 OF 4

SITE		TRO DAMSITE		HOLE No. JD-1										
LATITUDE		995770.25		ELEVATION 248.23m										
DATE		994978.98		DEPTH 120.00m										
ANGLE	SCALE	180°		HORIZON	DATE									
		UP	DOWN			90°								
DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	DIRECTION	SLOPE	DESCRIPTION	ROCK CLASS	COLUMN SECTION	MATERIAL	BIT & DIAMETER	MATER LEVEL	CORE RECOVERY	R.G.D. (m)	WATER PRESSURE TEST
1	1.00	247.23	ALLUVIAL	Residual Soil		Up to 0.85m brown humic soil. Below 3.60m, reddish brown residual soil. Weathered, soft rock fragments are included.								
2	2.00	248.23					D							
3	3.00	248.23												
4	3.60	244.63												
5	4.00	244.23												
6	5.00	248.23												
7	6.00	242.23												
8	6.30	241.51												
9	7.00	241.23												
10	7.80	240.43												
11	8.00	240.23												
12	8.20	240.03												
13	9.00	239.23												
14	10.00	239.23												
15	11.00	237.23												
16	12.00	236.23												
17	13.00	235.23												
18	14.00	234.23												
19	14.50	233.73												
20	15.00	233.23												
21	16.00	232.23												
22	17.00	231.23												
23	18.00	230.23												
24	19.00	229.23												
25	20.00	228.23												
26	21.00	227.23												
27	22.00	226.23												
28	23.00	225.23												
29	24.00	224.23												
30	24.60	223.61												
31	25.00	223.23												
32	26.00	222.23												
33	26.25	221.51												
34	26.85	221.23												
35	27.00	221.00												
36	28.00	220.23												
37	29.00	219.23												
38	30.00	218.23												

DRILLING LOG OF JD-1 (1/4)

GOVERNMENT OF MAURITIUS  
PORT LOUIS WATER SUPPLY PROJECT  
JAPAN INTERNATIONAL COOPERATION AGENCY

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 \*LUBEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
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NIPPON KOEI CO., LTD.,  
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# DRILL LOG

SHEET NO. 2 OF 4

Fig. B-31

SITE		TRO DAMSITE		HOLE NO.		JD-1		ELEVATION		248.23m	
LATITUDE		998770.25		LONGITUDE		994978.88		DEPTH		120.00m	
DATE				DATE				BIT & DIAMETER			
ANGLE		DIRECTION		SLOPE		HORIZON		CORE RECOVERY		WATER PRESSURE TEST	
SCALE		ROCK TYPE		DESCRIPTION		WATER LEVEL		%		m	
DEPTH		ROCK CLASS		CORNER SECTION		BIT & DIAMETER		%		m	
ELEVATION		GEOLOGICAL AGE		CORNER SECTION		BIT & DIAMETER		%		m	
31	31.00	217.23	Basalt	CH	Fine grained doleritic basalt. Comparatively hard and less vesicular below 30.4m.			50	100.00		
32	32.00	216.23						50	100.00		
33	33.00	215.23	Basalt					50	100.00		
34	34.00	214.23	Basalt					50	100.00		
35	35.00	213.23	Basalt					50	100.00		
36	36.00	212.23	Basalt					50	100.00		
37	37.00	211.23	Basalt					50	100.00		
38	38.00	210.23	Basalt					50	100.00		
39	39.00	209.23	Basalt					50	100.00		
40	40.00	208.23	Basalt					50	100.00		
41	41.00	207.23	Basalt					50	100.00		
42	42.00	206.23	Basalt					50	100.00		
43	43.00	205.23	Basalt					50	100.00		
44	44.00	204.23	Basalt					50	100.00		
45	45.00	203.23	Basalt					50	100.00		
46	46.00	202.23	Basalt					50	100.00		
47	47.00	201.23	Basalt					50	100.00		
48	48.00	200.23	Basalt					50	100.00		
49	49.00	199.23	Basalt					50	100.00		
50	50.00	198.23	Basalt					50	100.00		
51	51.00	197.23	Basalt					50	100.00		
52	52.00	196.23	Basalt					50	100.00		
53	53.00	195.23	Basalt					50	100.00		
54	54.00	194.23	Basalt					50	100.00		
55	55.00	193.23	Basalt					50	100.00		
56	56.00	192.23	Basalt					50	100.00		
57	57.00	191.23	Basalt					50	100.00		
58	58.00	190.23	Basalt					50	100.00		
59	59.00	189.23	Basalt					50	100.00		
60	60.00	188.23	Basalt					50	100.00		

R.O.D is Rock Quality Designation. R.O.D= (Total length of cylindrical cores longer than 10 cm / (Total drill length) x 100%  
 \*LOGON VALUE is 1/min/m under injection water pressure of 40kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO

## DRILLING LOG OF JD-1 (2/4)

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

SHEET NO. 3 OF 4.

DRILL LOG

SITE		IRO DAMSITE		HOLE No. JD-1		ELEVATION 248.23m		DEPTH 120.00m		
LATITUDE		996770.25		LONGITUDE		994978.88		DATE		
ANGLE		150° UP		HORIZON 90°		BIT & DIAMETER		WATER LEVEL		
DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN SECTION	ROCK CLASS	DESCRIPTION	CORE RECOVERY % (m)	R.O.D. (m)	WATER PRESSURE TEST	
51	80.00	YOUNG LAVA 3 (YL3)	Basalt		CM	Moderately weathered vesicular basalt. Vesicles are filled with white clay. Low core recovery below 62.0m.	51.00	51.00		
52	82.00		Weathered Basalt				52.00	52.00		
53	83.00		Weathered Basalt				53.00	53.00		
54	84.00		Weathered Basalt				54.00	54.00		
55	85.00		Weathered Basalt				55.00	55.00		
56	85.00	YOUNG LAVA 2 (YL2)	Basalt		CH	Dark grey, lapilli size rubble of basalt are filled with cream colored tuffaceous material.	56.00	56.00		
57	87.00		Basalt				57.00	57.00		
58	87.20		Hard Clay			D	Reddish brown, consolidated clay from 57.8m to 58.2m, texture of auto-brecciated lava is observed.	58.00	58.00	
59	89.00		Weathered Basalt			CL	Moderately weathered vesicular basalt. Short cylindrical cores are recovered.	59.00	59.00	
60	89.00		Weathered Basalt			CL	Compact and hard, less vesicular fresh basalt.	60.00	60.00	
61	81.00	YOUNG LAVA 2 (YL2)	Weathered Basalt		CM	Moderately weathered vesicular basalt.	61.00	61.00		
62	82.00		Basalt				62.00	62.00		
63	83.00		Basalt				63.00	63.00		
64	84.00		Weathered Basalt			CL	Fresh to weakly weathered doleritic basalt. Compact and hard, partially vesicular.	64.00	64.00	
65	85.00		Weathered Basalt			CL	Moderately weathered, small spherulitic vesicles bearing doleritic basalt. Cores are partially broken into fragments.	65.00	65.00	
66	85.00	YOUNG LAVA 2 (YL2)	Weathered Basalt		CH	Fresh to weakly weathered doleritic basalt. Vesicular below 80.2m.	66.00	66.00		
67	87.00		Basalt				67.00	67.00		
68	87.30		Basalt				68.00	68.00		
69	89.00		Basalt				69.00	69.00		
70	89.00		Basalt				70.00	70.00		

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 \*LUGGON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

DRILLING LOG OF JD-1 (3/4)

DRILL LOG SHEET NO. 4 OF 4

SITE		TPO DAMSITE		HOLE No. JD-1		ELEVATION		DEPTH	
LATITUDE		996770.25		994978.88		248.23m		120.00m	
DATE		LONGITUDE		DATE		CORE RECOVERY		WATER PRESSURE TEST	
ANGLE		DIRECTION		SLOPE		R.O.D x (m)		k Value	
SCALE		ROCK TYPE		DESCRIPTION		BIT & DIAMETER		Upper Depth : 95.00	
DEPTH		ROCK CLASS		COLUMN SECTION		HORIZON		Lower Depth : 95.00	
ELEVATION		Basalt		Basalt		90°		Lugeon Value: 0.00	
100 UP DOWN		Basalt		Weathered Basalt		90°		k Value: 0.0000004	
100 DOWN		Basalt		Basalt		90°		Upper Depth : 95.00	
100		Basalt		Basalt		90°		Lower Depth : 95.00	
101		Basalt		Basalt		90°		Lugeon Value: 1.00	
102		Basalt		Basalt		90°		k Value: 0.0000258	
103		Basalt		Basalt		90°		Upper Depth : 102.00	
104		Basalt		Basalt		90°		Lower Depth : 102.00	
105		Basalt		Basalt		90°		Lugeon Value: 1.00	
106		Basalt		Basalt		90°		k Value: 0.0000120	
107		Basalt		Basalt		90°		Upper Depth : 102.00	
108		Basalt		Basalt		90°		Lower Depth : 102.00	
109		Basalt		Basalt		90°		Lugeon Value: 1.00	
110		Basalt		Basalt		90°		k Value: 0.0000120	
111		Basalt		Basalt		90°		Upper Depth : 102.00	
112		Basalt		Basalt		90°		Lower Depth : 102.00	
113		Basalt		Basalt		90°		Lugeon Value: 1.00	
114		Basalt		Basalt		90°		k Value: 0.0000120	
115		Basalt		Basalt		90°		Upper Depth : 102.00	
116		Basalt		Basalt		90°		Lower Depth : 102.00	
117		Basalt		Basalt		90°		Lugeon Value: 1.00	
118		Basalt		Basalt		90°		k Value: 0.0000120	
119		Basalt		Basalt		90°		Upper Depth : 102.00	
120		Basalt		Basalt		90°		Lower Depth : 102.00	

\*R.O.D is Rock Quality Designation, R.O.D=(Total length of cylindrical cores longer than 10 cm)/(Total drill length) x 100%  
 \*LUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO

# DRILL LOG

SHEET NO. 1 OF 4

SITE		TRO DAMSITE		HOLE NO.		JD-2		ELEVATION		248.23m	
LATITUDE		996913.69		LONGITUDE		994913.25		DEPTH		120.00m	
DATE				DATE				WATER LEVEL			
ANGLE		125° UP DOWN		HORIZON		90°		CORRECTION			
SCALE		ELEVATION		DIRECTION		SLOPE		CORRECTION			
DEPTH		ROCK TYPE		ROCK CLASS		DESCRIPTION		CORRECTION			
ELEVATION		ALLUVIAL		D		Reddish brown residual soil. Weathered, soft rock fragments are included.		CORRECTION			
ELEVATION		Weathered Basalt		CL-D		Intensely weathered, light brownish grey basalt. Rock fragments of weakly weathered basalt are recovered.		CORRECTION			
ELEVATION		Basalt		CM		Moderately to intensely weathered vesicular basalt.		CORRECTION			
ELEVATION		Basalt		CL-D		Weakly weathered less vesicular basalt. Partially weathered to light brownish grey.		CORRECTION			
ELEVATION		Weathered Basalt		CM		Crackly weathered basalt. Olivine phenocrysts are observable. Few vesicles are included.		CORRECTION			
ELEVATION		Basalt		CL		Slightly weathered less vesicular coloritic basalt.		CORRECTION			
ELEVATION		Weathered Basalt		CL-CM		Weakly to moderately weathered, less vesicular basalt.		CORRECTION			
ELEVATION		Basalt		CM		Weakly weathered to fresh, less vesicular basalt. Compact and hard.		CORRECTION			
ELEVATION		Weathered Basalt		CH		From 26.2m to 27.25m, less vesicular, moderately weathered basalt.		CORRECTION			
ELEVATION		Flow Breccia		CH		Flow breccia. Reddish brown basaltic rubbles are filled with cream colored tuffaceous consolidated matrix.		CORRECTION			
1	1.00	247.23									
2	2.00	245.23									
3	3.00	245.23									
4	4.00	244.23									
5	4.50	243.73									
6	5.00	243.23									
7	6.00	242.23									
8	7.00	241.23									
9	8.00	240.23									
10	9.00	239.23									
11	10.00	238.23									
12	11.00	237.23									
13	12.00	236.23									
14	13.00	235.23									
15	14.00	234.23									
16	14.50	233.73									
17	15.00	233.23									
18	16.00	232.23									
19	17.00	231.23									
20	18.00	230.23									
21	18.50	229.73									
22	19.00	229.23									
23	20.00	228.23									
24	21.00	227.23									
25	21.50	226.73									
26	22.00	226.23									
27	23.00	225.23									
28	24.00	224.23									
29	25.00	223.23									
30	26.00	222.23									
31	27.00	221.23									
32	27.25	220.98									
33	28.00	220.23									
34	29.00	219.23									

DRILLING LOG OF JD-2 (1/4)

GOVERNMENT OF MAURITIUS  
PORT LOUIS WATER SUPPLY PROJECT  
JAPAN INTERNATIONAL COOPERATION AGENCY

\*R.O.D is Rock Quality Designation. R.O.D=(Total length of cylindrical cores longer than 10 cm)/(Total drill length) x 100%  
 \*LUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO

DRILL LOG

SHEET NO.2 OF 4

SITE		TRO DAMSITE		998913.69		LONGITUDE		994913.25		HOLE NO.		JD-2	
LATITUDE		ELEVATION		248.23m		DEPTH		120.00m		CORE RECOVERY		R.O.D x (m)	
DATE		DATE		HORIZON		BIT & DIAMETER		WATER LEVEL		WATER PRESSURE TEST			
ANGLE		ELEVATION		ROCK TYPE		DIRECTION		SLOPE		CORE RECOVERY		R.O.D x (m)	
DEPTH		ELEVATION		ROCK TYPE		DIRECTION		SLOPE		CORE RECOVERY		R.O.D x (m)	
SCALE		ELEVATION		ROCK TYPE		DIRECTION		SLOPE		CORE RECOVERY		R.O.D x (m)	
31	31.00	217.23	CM	Flow breccia. Reddish brown basaltic nubbles are filled with cream colored tuffaceous consolidated matrix.	CM	Flow breccia. Reddish brown basaltic nubbles are filled with cream colored tuffaceous consolidated matrix.	27° N 90° E 180° W			50	100.00	50	100.00
32	32.00	215.23	CL-D	Core loss.	CL-D	Core loss.				50	100.00	50	100.00
33	33.00	215.23	CL	Flow breccia. Partially weathered up to 35.3m.	CL	Flow breccia. Partially weathered up to 35.3m.				50	100.00	50	100.00
34	34.00	214.23	CM	Consolidated flow breccia. Fine basalt fragments are included in tuffaceous matrix.	CM	Consolidated flow breccia. Fine basalt fragments are included in tuffaceous matrix.				50	100.00	50	100.00
35	35.00	213.23	CL	Yellowish brown to brown hard clay.	CL	Yellowish brown to brown hard clay.				50	100.00	50	100.00
36	36.00	210.23	D	Intensely weathered vesicular basalt.	D	Intensely weathered vesicular basalt.				50	100.00	50	100.00
37	37.00	211.23	CM	Weakly weathered, less vesicular basalt.	CM	Weakly weathered, less vesicular basalt.				50	100.00	50	100.00
38	38.00	209.23	D	Intensely weathered vesicular basalt. Earthy cores are recovered.	D	Intensely weathered vesicular basalt. Earthy cores are recovered.				50	100.00	50	100.00
39	39.00	208.23	CL-D	Weakly weathered to fresh, less vesicular doleritic basalt. Discolorized along cracks.	CL-D	Weakly weathered to fresh, less vesicular doleritic basalt. Discolorized along cracks.				50	100.00	50	100.00
40	40.00	209.23	CH	Moderately weathered vesicular basalt. Brownish grey fragmental and short cylindrical cores are recovered. weakly weathered from 50.0m to 50.5m.	CH	Moderately weathered vesicular basalt. Brownish grey fragmental and short cylindrical cores are recovered. weakly weathered from 50.0m to 50.5m.				50	100.00	50	100.00
41	41.00	207.23	CL	Weakly weathered, less vesicular basalt. Cracks are coated with white calcareous film.	CL	Weakly weathered, less vesicular basalt. Cracks are coated with white calcareous film.				50	100.00	50	100.00
42	42.00	205.23	CM	Intensely weathered vesicular basalt. Mostly recovered as fragmental to earthy cores.	CM	Intensely weathered vesicular basalt. Mostly recovered as fragmental to earthy cores.				50	100.00	50	100.00
43	43.00	205.23	CL-D	Slightly weathered vesicular basalt. Partially weathered along cracks.	CL-D	Slightly weathered vesicular basalt. Partially weathered along cracks.				50	100.00	50	100.00
44	44.00	204.23	CH-CH	Slightly weathered, less vesicular compact basalt.	CH-CH	Slightly weathered, less vesicular compact basalt.				50	100.00	50	100.00
45	45.00	203.23								50	100.00	50	100.00
46	46.00	202.23								50	100.00	50	100.00
47	47.00	201.23								50	100.00	50	100.00
48	48.00	200.23								50	100.00	50	100.00
49	49.00	199.23								50	100.00	50	100.00
50	50.00	198.23								50	100.00	50	100.00
51	51.00	197.23								50	100.00	50	100.00
52	52.00	196.23								50	100.00	50	100.00
53	53.00	195.23								50	100.00	50	100.00
54	54.00	194.23								50	100.00	50	100.00
55	55.00	193.23								50	100.00	50	100.00
56	56.00	192.23								50	100.00	50	100.00
57	57.00	191.23								50	100.00	50	100.00
58	58.00	190.23								50	100.00	50	100.00
59	59.00	189.23								50	100.00	50	100.00
60	60.00	188.23								50	100.00	50	100.00

NIPPON KOEI CO., LTD.,  
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CORRECTION VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>  
DEPTH and ELEVATION are in meter  
DIAMETER is in millimeter

DRILLING LOG OF JD-2 (2/4)

GOVERNMENT OF MAURITIUS  
PORT LOUIS WATER SUPPLY PROJECT  
JAPAN INTERNATIONAL COOPERATION AGENCY



DRILL LOG

SHEET NO. 3 OF 4

SITE		TRO DAMSITE		HOLE No. JD-2		ELEVATION 248.23m		DEPTH 120.00m	
LATITUDE		996913.69		LONGITUDE		994913.25		CORE RECOVERY % (m)	
DATE				DATE				WATER PRESSURE TEST	
ANGLE		180° UP DOWN		DIRECTION		SLOPE		CORE RECOVERY % (m)	
SCALE		ELEVATION		ROCK TYPE		DESCRIPTION		CORE RECOVERY % (m)	
		61		Basalt		Brownish grey, intensely weathered basalt. Partially supposed to be flow breccia.		53	
		62		Weathered Basalt		Dark grey, fine grained doleritic basalt. Fresh compact and hard. Some large, irregular vesicles are included.		54	
		63		Basalt		Weathered basalt.		55	
		64		Weathered Basalt		Slightly weathered less vesicular doleritic basalt.		56	
		65		Weathered Basalt		Discolored, intensely weathered rock. From 68.7 to 69.45m grey mudstone like clayey rock with vitreous luster.		57	
		66		Basalt		Black fine grained olivine rich basalt. Compact, hard. Cracks are coated with yellowish brown clayey film.		58	
		67		Weathered Basalt		Moderately weathered vesicular basalt. Mostly recovered as short cylindrical cores.		59	
		68		Weathered Basalt		Fresh doleritic basalt. Up to 55.5m vesicles of various size make flow structure. Below 55.5m, less vesicular and compact.		60	
		69		Basalt				61	
		70		Basalt				62	
		71		Basalt				63	
		72		Basalt				64	
		73		Basalt				65	
		74		Basalt				66	
		75		Basalt				67	
		76		Basalt				68	
		77		Basalt				69	
		78		Basalt				70	
		79		Basalt				71	
		80		Basalt				72	
		81		Basalt				73	
		82		Basalt				74	
		83		Basalt				75	
		84		Basalt				76	
		85		Basalt				77	
		86		Basalt				78	
		87		Basalt				79	
		88		Basalt				80	
		89		Basalt				81	
		90		Basalt				82	

R.O.D is Rock Quality Designation, R.O.D=(Total length of cylindrical cores longer than 10 cm)/(Total drill length) x 100%  
 X LOGON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 X DEPTH and ELEVATION are in meter  
 X DIAMETER is in millimeter

DRILLING LOG OF JD-2 (3/4)

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO



# DRILL LOG

SHEET NO. 4 OF 4

Fig. B-37

SITE		TRO DAMSITE		HOLE No. JD-2		ELEVATION 248.23m		DEPTH 120.00m	
LATITUDE		LONGITUDE		DATE		BIT & DIAMETER		WATER LEVEL	
ANGLE		DIRECTION		DESCRIPTION		CORE RECOVERY % (m)		MATERIAL	
DEPTH	ELEVATION	ROCK TYPE	ROCK CLASS	DESCRIPTION	DATE	BIT & DIAMETER	WATER LEVEL	DEPTH	REMARKS
91	91.00	Basalt	CM	Weakly weathered vesicular basalt. Cracks and vesicles are coated with white powdery material.	99/9/13.25	90°	117.63	0	
92	92.00							5	
93	93.00							10	
94	94.00							15	
95	95.00							20	
96	96.00	Weathered Basalt	CL	Fresh doleritic basalt. Some spherulitic vesicles are included.			117.63	25	
97	97.00							30	
98	98.00							35	
99	99.00							40	
100	100.00							45	
101	101.00	Basalt	CM	Slightly weathered doleritic basalt. Vesicles and cracks are coated with white powdery material. In some vesicles, egg-shaped opals are observed.			117.63	50	
102	102.00							55	
103	103.00							60	
104	104.00							65	
105	105.00							70	
106	106.00	Hard Clay	CL-0	Altered to grey clayey rock.			117.63	75	
107	107.00							80	
108	108.00							85	
109	109.00							90	
110	110.00							95	
111	111.00	Weathered Basalt	CM	Moderately weathered in general, partially intensely weathered vesicular basalt.			117.63	100	
112	112.00							105	
113	113.00							110	
114	114.00							115	
115	115.00							120	
116	116.00	Basalt	CM	Slightly weathered less vesicular doleritic basalt. From 105.7 to 110.0m, weathered along cracks.			117.63	125	
117	117.00							130	
118	118.00							135	
119	119.00							140	
120	120.00							145	
121	121.00	Basalt	CM	Vesicular basalt. Some weathered parts are supposed to be flow breccia. Some cracks are coated with cream colored film.			117.63	150	
122	122.00							155	
123	123.00							160	
124	124.00							165	
125	125.00							170	
126	126.00	Basalt	CM	Core loss.			117.63	175	
127	127.00							180	
128	128.00							185	
129	129.00							190	
130	130.00							195	
131	131.00	Basalt	CM	Slightly weathered vesicular basalt.			117.63	200	
132	132.00							205	
133	133.00							210	
134	134.00							215	
135	135.00							220	

NIPPON KOEI CO., LTD.,  
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\*LUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>  
\*DEPTH and ELEVATION are in meter  
\*DIAMETER is in millimeter

# DRILL LOG

SHEET NO. 1 OF 2

Fig. B-38

SITE		TRO DAMSITE		HOLE No. JD-3		ELEVATION		DEPTH			
LATITUDE		997509.63		995037.88		167.46m		40.00m			
DATE											
SCALE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	DIRECTION	SLOPE	DATE	BIT & DIAMETER	CORRECTION	R.O.D. (m)	WATER PRESSURE TEST
	0.00	165.65	ALUVI-100	SOIL							
	1.00	165.45									
	2.00	165.45									
	3.00	164.45									
	4.00	163.45									
	4.80	162.65									
	5.00	162.45									
	5.50	161.65									
	6.00	161.45									
	7.00	160.45									
	8.00	159.45									
	8.90	158.65									
	9.00	158.45									
	9.70	157.75									
	10.00	157.45									
	11.00	156.45									
	12.00	155.45									
	13.00	154.45									
	14.00	153.45									
	14.70	152.75									
	15.00	152.45									
	15.20	152.25									
	16.00	151.45									
	17.00	150.45									
	18.00	149.45									
	18.70	148.75									
	19.00	148.45									
	20.00	147.45									
	21.00	146.45									
	22.00	145.45									
	23.00	144.45									
	24.00	143.45									
	25.00	142.45									
	26.00	141.45									
	26.20	141.25									
	26.60	140.65									
	27.00	140.45									
	28.00	139.45									
	29.00	138.65									
	29.20	138.45									
	30.00	137.45									

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm) / (Total drill length) x 100%  
 KLOGON VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

## DRILLING LOG OF JD-3 (1/2)

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO

SITE		TRO DAMSITE		HOLE No.		JD-3		ELEVATION		167.46m	
LATITUDE		997509.63		LONGITUDE		995037.88		DEPTH		40.00m	
DATE				DATE				CORE RECOVERY		%	
ANGLE		180° UP DOWN		DIRECTION		270° W 90° E		SLOPE		HORIZON	
SCALE		ELEVATION		ROCK TYPE		ROCK CLASS		DESCRIPTION		BIT & DIAMETER	
DEPTH		ELEVATION		ROCK TYPE		ROCK CLASS		DESCRIPTION		BIT & DIAMETER	
30.30	137.16	Basalt	CH	Moderately weathered vesicular basalt.	15/11 37.30						
31.00	135.45	Weathered Basalt	CM	Slightly weathered to fresh basalt.							
32.00	135.45	Basalt	CH								
32.30	135.15	Basalt	CH								
33.00	134.45	Hard Clay	D	Reddish brown shaly hard clay.							
33.30	134.15	Hard Clay	D	Highly weathered into brown or yellow brown clayey material. Compact, dense. Partly moderately hard rock, but soft and discoloured in general.							
34.00	133.45	Hard Clay	D								
35.00	132.45	Porphyritic Basalt	CL-D								
36.00	131.45	Porphyritic Basalt	CL-D								
37.00	130.45	Porphyritic Basalt	CL-D								
38.00	129.45	Porphyritic Basalt	CL-D								
39.00	128.45	Porphyritic Basalt	CL-D								
40.00	127.45	Porphyritic Basalt	CL-D								
41.00											
42.00											
43.00											
44.00											
45.00											
46.00											
47.00											
48.00											
49.00											
50.00											
51.00											
52.00											
53.00											
54.00											
55.00											
56.00											
57.00											
58.00											
59.00											
60.00											

\*R.Q.D. is Rock Quality Designation. R.Q.D. = (Total length of cylindrical cores longer than 10 cm) / (Total drill length) x 100%  
 \*LUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
 CONSULTING ENGINEERS, TOKYO

# DRILL LOG

SHEET NO. 1 OF 2

Fig. B-40

SITE		TPO DAMSITE		HOLE No. JD-4						
LATITUDE		997225.44		ELEVATION 186.41m						
DATE		995140.06		DEPTH 50.00m						
ANGLE	SCALE	ELEVATION	ROCK TYPE	DIRECTION	SLOPE	HORIZON	WATER LEVEL	CORE RECOVERY	R.O.D. (m)	WATER PRESSURE TEST
1	1.00	185.41	ALLUVIAL	275° W 30° E	30°	90°		31	14.00	
2	2.00	184.41	Talus Deposits					31	14.00	
3	3.00	183.41						31	14.00	
4	4.00	182.41						31	14.00	
5	5.00	181.41						31	14.00	
6	5.95	180.55						31	14.00	
7	6.85	179.51						31	14.00	
8	8.00	178.41	Basalt					31	14.00	
9	9.00	177.41						31	14.00	
10	10.00	176.41						31	14.00	
11	11.00	175.41						31	14.00	
12	12.00	174.41						31	14.00	
13	13.00	173.41						31	14.00	
14	14.00	172.41						31	14.00	
15	15.00	171.41						31	14.00	
16	15.70	170.71						31	14.00	
17	16.00	170.41						31	14.00	
18	16.00	170.41						31	14.00	
19	17.00	169.41						31	14.00	
20	19.00	168.41						31	14.00	
21	19.00	167.41						31	14.00	
22	20.00	166.41						31	14.00	
23	21.00	165.41						31	14.00	
24	22.00	164.41						31	14.00	
25	23.00	163.41						31	14.00	
26	23.00	163.41						31	14.00	
27	24.00	162.41						31	14.00	
28	25.00	161.41						31	14.00	
29	26.00	160.41						31	14.00	
30	27.00	159.41						31	14.00	
31	28.00	158.41						31	14.00	
32	29.00	157.41						31	14.00	
33	29.00	157.41						31	14.00	
34	29.00	157.41						31	14.00	
35	29.00	157.41						31	14.00	
36	29.00	157.41						31	14.00	
37	29.00	157.41						31	14.00	
38	29.00	157.41						31	14.00	
39	29.00	157.41						31	14.00	
40	29.00	157.41						31	14.00	
41	29.00	157.41						31	14.00	
42	29.00	157.41						31	14.00	
43	29.00	157.41						31	14.00	
44	29.00	157.41						31	14.00	
45	29.00	157.41						31	14.00	
46	29.00	157.41						31	14.00	
47	29.00	157.41						31	14.00	
48	29.00	157.41						31	14.00	
49	29.00	157.41						31	14.00	
50	29.00	157.41						31	14.00	

**DRILLING LOG OF JD-4 (1/2)**

GOVERNMENT OF MAURITIUS  
PORT LOUIS WATER SUPPLY PROJECT  
JAPAN INTERNATIONAL COOPERATION AGENCY

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm) / (Total drill length) x 100%  
 KLUGEON VALUE is 1/100m under injection water pressure of 10kg/cm<sup>2</sup>  
 DEPTH and ELEVATION are in meter  
 DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
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DRILL LOG

SHEET NO. 2 OF 2

Fig. B-41

SITE		TRO DAMSITE		HOLE No. JD-4		ELEVATION 186.41m		DEPTH 50.00m	
LATITUDE		LONGITUDE		DATE		BIT & DIAMETER		WATER LEVEL	
ANGLE		DIRECTION		SLOPE		HORIZON		CORE RECOVERY	
SCALE		ROCK TYPE		ROCK CLASS		DESCRIPTION		R.O.D. (m)	
DEPTH		ELEVATION		CEOLOGICAL AGE		WATER PRESSURE TEST		CORE RECOVERY % (m)	
31	31.00	185.41	Basalt	CL	Weathered Basalt	Vesicular basalt, highly weathered. Cores are fragmental and low in recovery including brown clay.	CL	0-100	0-100
32	31.80	184.81	Basalt	CH	Basalt	Vesicular, fresh, hard. Cracks are water-stained or with yellowish white silt.	CH	10-50	10-50
33	33.00	183.41	Basalt	CL	Weathered Basalt	Vesicular, highly weathered. Core recovery fragmental and poor.	CL	50-100	50-100
34	34.00	182.41	Basalt	B	Basalt	Vesicular at the top and the bottom. Fresh, solid.	B	100-150	100-150
35	35.00	181.41	Basalt	CH	Weathered Basalt	Vesicular, moderately weathered basalt.	CH	150-200	150-200
36	36.00	180.41	Basalt	CL	Flow Breccia	Bubbles of basalt are filled with redish brown clay.	CL	200-250	200-250
37	37.00	179.41	Basalt	CH-3	Basalt	Non-vesicular, doleritic basalt. Slightly weathered, solid. Vesicular only at the top 1.3m section.	CH-3	250-300	250-300
38	38.00	178.41	Basalt	CH	Weathered Basalt	Vesicular, moderately weathered. White clay and calcareous material in cracks and pores.	CH	300-350	300-350
39	39.00	177.41	Basalt	CL	Flow Breccia	Excavated. Supposed to be flow breccia.	CL	350-400	350-400
40	40.00	176.41	Basalt					400-450	400-450
41	41.00	175.41	Basalt					450-500	450-500
42	42.00	174.41	Basalt					500-550	500-550
43	43.00	173.41	Basalt					550-600	550-600
44	44.00	172.41	Basalt					600-650	600-650
45	45.00	171.41	Basalt					650-700	650-700
46	46.00	170.41	Basalt					700-750	700-750
47	47.00	169.41	Basalt					750-800	750-800
48	48.00	168.41	Basalt					800-850	800-850
49	49.00	167.41	Basalt					850-900	850-900
50	50.00	166.41	Basalt					900-950	900-950
51	51.00	165.41	Basalt					950-1000	950-1000
52	52.00	164.41	Basalt					1000-1050	1000-1050
53	53.00	163.41	Basalt					1050-1100	1050-1100
54	54.00	162.41	Basalt					1100-1150	1100-1150
55	55.00	161.41	Basalt					1150-1200	1150-1200
56	56.00	160.41	Basalt					1200-1250	1200-1250
57	57.00	159.41	Basalt					1250-1300	1250-1300
58	58.00	158.41	Basalt					1300-1350	1300-1350
59	59.00	157.41	Basalt					1350-1400	1350-1400
60	60.00	156.41	Basalt					1400-1450	1400-1450

YOUNG LAVA 2 (Y2)

Upper Depth : 30.00  
Lower Depth : 35.00  
Upper Value : 19.60  
Lower Value : 0.0002950

Upper Depth : 35.00  
Lower Depth : 40.00  
Upper Value : 17.50  
Lower Value : 0.0002340

Upper Depth : 40.00  
Lower Depth : 45.00  
Upper Value : 19.00  
Lower Value : 0.0001730

Upper Depth : 45.00  
Lower Depth : 50.00  
Upper Value : 19.00  
Lower Value : 0.002550

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm / Total drill length) x 100%  
 PLUGGON VALUE is l/min/m under injection water pressure of 10kg/cm2  
 DEPTH and ELEVATION are in meter  
 DIAMETER is in millimeter

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SITE		TPO DAMSITE		HOLE NO.		JD-5					
LATITUDE		997304.63		LONGITUDE		994987.94					
DATE				ELEVATION		167.55m					
ANGLE		150° UP DOWN		DEPTH		50.00m					
SCALE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	DIRECTION	SLOPE	DATE	HORIZON	CORE RECOVERY	R.O.D. X (m)	WATER PRESSURE TEST
	1	165.55	ALLUVIAL	Talus Deposits	270° W 90° E 150° S			90°	0-50	0-50	
	2	165.55							0-50	0-50	
	3	164.55							0-50	0-50	
	4	163.55							0-50	0-50	
	5	162.55							0-50	0-50	
	6	161.55							0-50	0-50	
	7	160.55							0-50	0-50	
	8	159.55							0-50	0-50	
	9	158.55							0-50	0-50	
	10	157.55							0-50	0-50	
	11	156.55							0-50	0-50	
	12	155.55							0-50	0-50	
	13	154.55							0-50	0-50	
	14	153.55							0-50	0-50	
	15	152.55							0-50	0-50	
	16	149.55							0-50	0-50	
	17	150.55							0-50	0-50	
	18	149.55							0-50	0-50	
	19	149.55							0-50	0-50	
	20	147.55							0-50	0-50	
	21	145.55							0-50	0-50	
	22	145.55							0-50	0-50	
	23	144.55							0-50	0-50	
	24	143.55							0-50	0-50	
	25	142.55							0-50	0-50	
	26	141.55							0-50	0-50	
	27	140.55							0-50	0-50	
	28	139.55							0-50	0-50	
	29	138.55							0-50	0-50	
	30	137.55							0-50	0-50	

ORGANIC SOIL AND BASALT BLOCKS.

Highly weathered basalt. With much core loss. Only hard portions are recovered.

Doleritic, slightly weathered to fresh. Weathering is seen in cracks. Vesicular below 18.3m.

Vesicular, moderately weathered. Core samples are fragmental.

Vesicular, doleritic basalt. Fresh and solid.

Non-vesicular, doleritic, solid.

Vesicular basalt, gradually weathered downward to moderately hard or soft rock with reddish brown stains in cracks. Cores are fragmental at the bottom.

Sections of core-loss and weathered basalt alternate. The basalt cores are moderately to highly weathered. Some

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm) / (Total drill length) x 100%

SLUG TEST VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>

DEPTH and ELEVATION are in meter

DIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
CONSULTING ENGINEERS, TOKYO

DRILLING LOG OF JD-5 (1/2)

GOVERNMENT OF MAURITIUS  
PORT LOUIS WATER SUPPLY PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY



DRILL LOG SHEET NO.2 OF 2

SITE		TPO DAMSITE		HOLE No. JD-5		ELEVATION 157.55m		DEPTH 50.00m					
LATITUDE		LONGITUDE		DATE		WATER LEVEL		CORE RECOVERY % (m)		R.O.D. (m)		WATER PRESSURE TEST	
ANGLE		DIRECTION		SLOPE		DESCRIPTION		BIT & DIAMETER		CORE RECOVERY		WATER PRESSURE TEST	
DEPTH	ELEVATION	ROCK TYPE	ROCK CLASS	DESCRIPTION	DATE	WATER LEVEL	BIT & DIAMETER	CORE RECOVERY	R.O.D.	WATER PRESSURE TEST			
31	125.55	PHIOCLASTIC FLOW (YL0)	Flow Breccia	vesicular and others not. Core losses in 28.9-33.0m, 31.00-32.00m and 32.70-34.40m.				54	54				
32	125.55		DL					54	54				
33	124.55							54	54				
34	123.55							54	54				
35	122.55							54	54				
36	121.55							54	54				
37	120.55							54	54				
38	120.55							54	54				
39	120.55							54	54				
40	120.55							54	54				
41	120.55							54	54				
42	120.55							54	54				
43	124.55	OLD LAVA 3 (OL3)	Porphyritic Basalt	Porphyritic highly weathered. Yellowish grey, moderately hard. Less weathered downward.				54	54				
44	123.55							54	54				
45	122.55							54	54				
46	121.55							54	54				
47	120.55							54	54				
48	119.55							54	54				
49	118.55							54	54				
50	117.55							54	54				
51								54	54				
52								54	54				
53								54	54				
54								54	54				
55								54	54				
56								54	54				
57								54	54				
58								54	54				
59								54	54				
60								54	54				

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm / total drill length) x 100%  
 KLUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 XDEPTH and ELEVATION are in meter  
 XDIAMETER is in millimeter

NIPPON KOEI CO., LTD.,  
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# DRILL LOG

SHEET NO. 1 OF 1

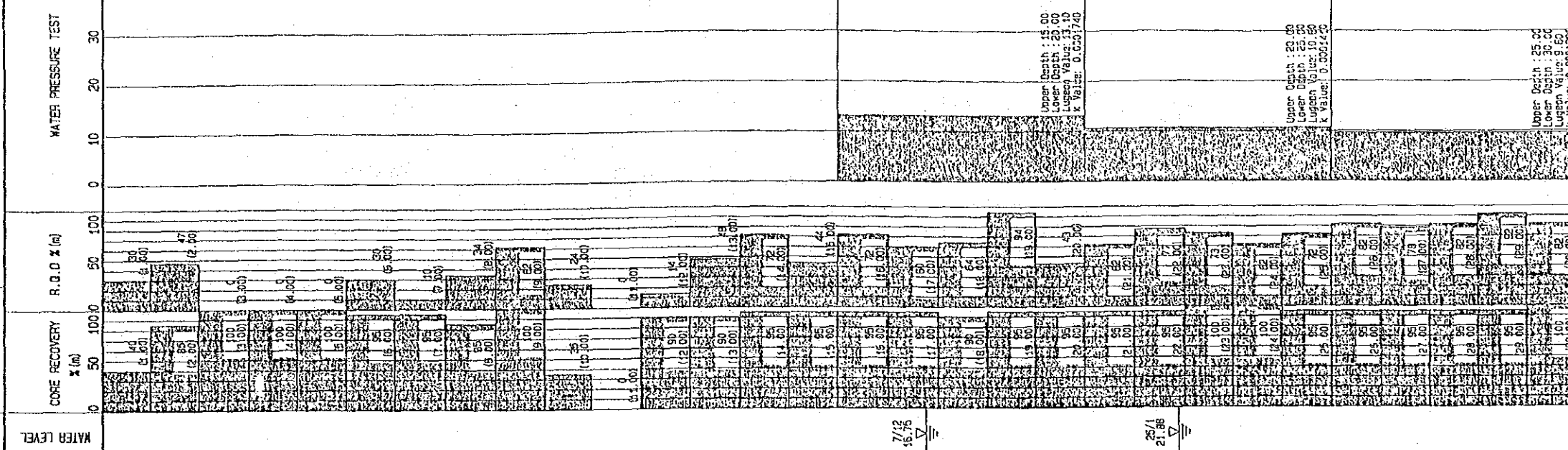
SITE		TRO DAMSITE		HOLE No. JD-6		ELEVATION		DEPTH			
LATITUDE		997357.50		LONGITUDE		994911.56		146.29m			
DATE								30.00m			
SCALE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	DIRECTION	SLOPE	DATE	WATER LEVEL	CORE RECOVERY % (m)	R.O.D. % (m)	WATER PRESSURE TEST
	1	145.29	ALLUVIAL	Talus Deposits	270° W 90° E	5°			1.00	100.00	
	2	144.29							2.00	100.00	
	3	143.29							3.00	100.00	
	4	142.29							4.00	100.00	
	5	141.29							5.00	100.00	
	6	140.29	YOUNG LAVA 1 (YL1)	Basalt	270° W 90° E	5°			6.00	100.00	
	7	139.29							7.00	100.00	
	8	138.29							8.00	100.00	
	9	137.29							9.00	100.00	
	10	136.29							10.00	100.00	
	11	135.29	PYROCLASTIC FLOW	(No core)	270° W 90° E	5°			11.00	100.00	
	12	134.29							12.00	100.00	
	13	133.29							13.00	100.00	
	14	132.29							14.00	100.00	
	15	131.29							15.00	100.00	
	16	130.29	OLD LAVA 3 (OL3)	Porphyritic Basalt	270° W 90° E	5°			16.00	100.00	
	17	129.29							17.00	100.00	
	18	128.29							18.00	100.00	
	19	127.29							19.00	100.00	
	20	126.29							20.00	100.00	
	21	125.29			270° W 90° E	5°			21.00	100.00	
	22	124.41							22.00	100.00	
	23	123.29							23.00	100.00	
	24	122.29							24.00	100.00	
	25	121.29							25.00	100.00	
	26	120.29			270° W 90° E	5°			26.00	100.00	
	27	119.29							27.00	100.00	
	28	118.29							28.00	100.00	
	29	117.29							29.00	100.00	
	30	116.29							30.00	100.00	

## DRILLING LOG OF JD-6 (1/1)

GOVERNMENT OF MAURITIUS  
 PORT LOUIS WATER SUPPLY PROJECT  
 JAPAN INTERNATIONAL COOPERATION AGENCY

R.O.D. is Rock Quality Designation. R.O.D. = (Total length of cylindrical cores longer than 10 cm) / (Total drill length) x 100%  
 KLUGEON VALUE is 1/min/m under injection water pressure of 10kg/cm<sup>2</sup>  
 \*DEPTH and ELEVATION are in meter.  
 †DIAMETER is in millimeter.

NIPPON KOEI CO., LTD.,  
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# DRILL LOG

SHEET NO. 1 OF 2

SITE		TRO DAMSITE		HOLE NO.		JD-7									
LATITUDE		997366.39		ELEVATION		124.42m									
DATE		995132.13		DEPTH		50.00m									
ANGLE	180° DOWN		DIRECTION		HORIZON °		MATERIAL								
	90° E		SLOPE		90°										
SCALE	DEPTH	ELEVATION	GEOLOGICAL AGE	ROCK TYPE	COLUMN SECTION	ROCK CLASS	DESCRIPTION	DATE	BIT & DIAMETER	WATER LEVEL	CORE RECOVERY %	R.G.D. x (m)	MATERIAL	WATER PRESSURE TEST	
															DEPTH
1	1.00	123.42	ALLUVIAL	Talus Deposits	▲▲▲▲		All cores are moderately weathered or fresh basalts with white clay.			16/11					
2	2.00	122.42													
3	3.00	121.42													
4	4.00	120.42													
5	5.00	119.42	OLD LAVA 3 (OL3)	Porphyritic Basalt	▲▲▲▲	CH	Doleritic basalt, slightly weathered to fresh. Solid. Cracks water-stained at 5.7 to 6.0m. Vesicular only for 20cm length at the bottom.								
6	6.00	118.42													
7	7.00	117.42													
8	8.00	116.42													
9	9.00	115.42													
10	10.00	114.42													
11	11.00	113.42													
12	12.00	112.42													
13	13.00	111.42													
14	14.00	110.42													
15	15.00	109.42		OLD LAVA 2 (OL2)	Glassy Basalt	▲▲▲▲	CH	Doleritic basalt, slightly weathered, solid. Partly non-vesicular (14.9-14.5m). White clay is in some of open cracks. white dolomitic inclusions in the pores.							
16	16.00	108.42													
17	17.00	107.42													
18	18.00	106.42													
19	19.00	105.42													
20	20.00	104.42													
21	21.00	103.42													
22	22.00	102.42													
23	23.00	101.42													
24	24.00	100.42													
25	25.00	99.42	Weathered Glassy Basalt	Weathered Glassy Basalt	▲▲▲▲	CH	Doleritic basalt, moderately weathered. Vesicular only at the bottom.								
26	26.00	98.42													
27	27.00	97.42													
28	28.00	96.42													
29	29.00	95.42													
30	30.00	94.42													

\*R.G.D. is Rock Quality Designation. R.G.D.= (Total length of cylindrical cores longer than 10 cm) / (total drill length) x 100%  
 \*LOGUEAN VALUE is 1/min/m under injection water pressure of 10kg/cm2  
 \*DEPTH and ELEVATION are in meter  
 \*DIAMETER is in millimeter

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