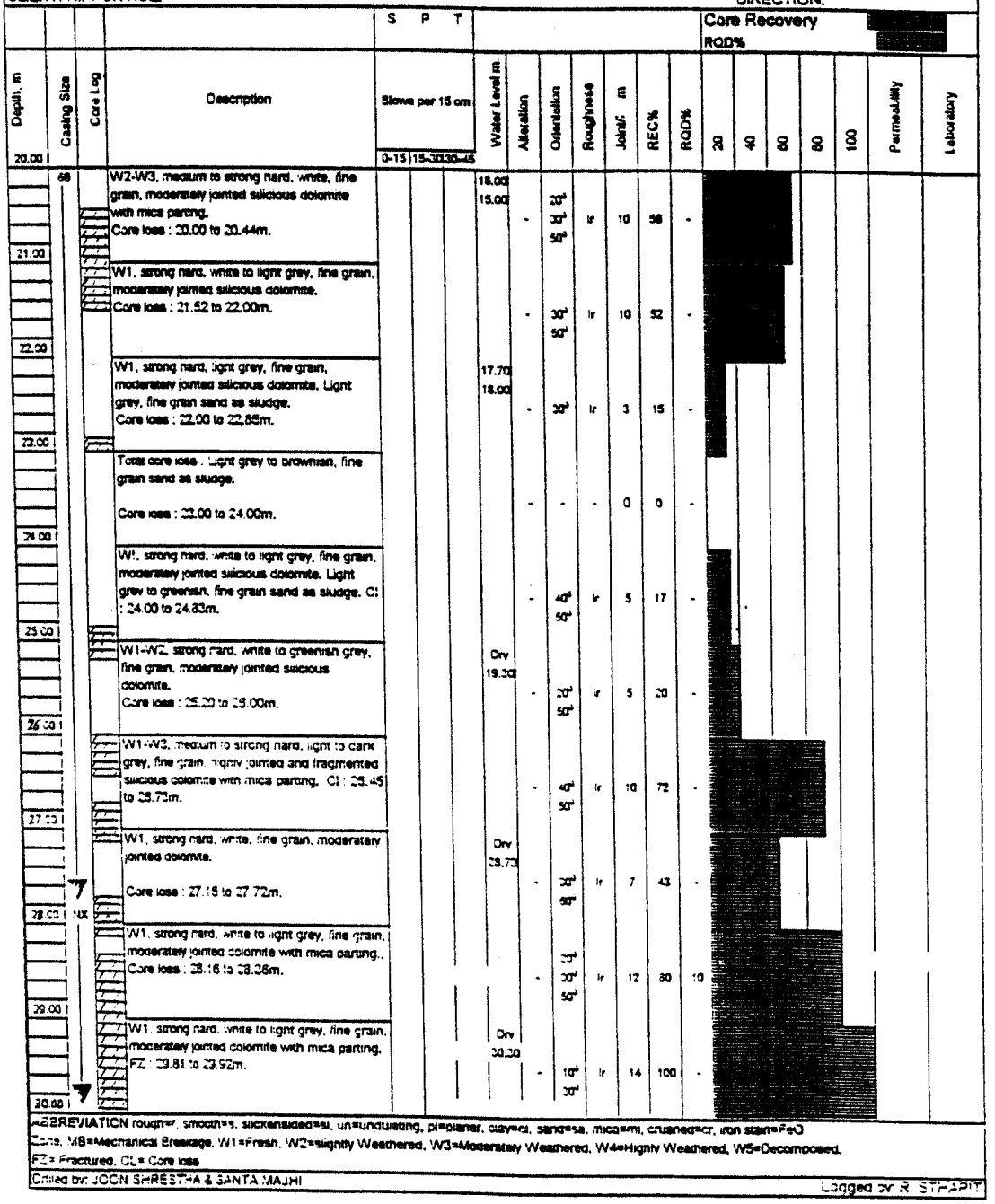
BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-28
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/08/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Danda
DIRECTION:



ABBREVIATION rough=r, smooth=s, slickensided=sl, un=undulating, pl=planar, clay=cl, sand=sa, mica=mi, crushed=cr, iron stain=FeO
Core: MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed.
FZ= Fractured, CL= Core loss

Drilled by: JOGN SHRESTHA & SANTA MAJHI
Logged by: R. STHAPIT

BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-23
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/06/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Canda
DIRECTION:

Depth, m	Casing Size	Core Log	Description	S P T Blows per 15 cm 0-15	15-30	30-45	Water Level m.	Alteration	Orientation	Roughness	Joint/ m	Core Recovery RQD% REC%	RQD%	20	40	60	80	100	Results LU Permeability	kg/cm2 Laboratory
30.00																				
	NX		W1, strong hard, light grey, fine grain dolomite.					-	10° 30°	lr	7	100	58							
31.00			W1-W2, strong hard, light to dark grey, fine grain dolomite with mica parting.					-	20° 30° 50°	lr	8	100	61							
32.00			W1, strong hard, light grey, fine grain, moderately jointed dolomite.				31.37 30.20	-	30° 50°	lr	9	100	58							
33.00			W1-W2, strong hard, light grey, fine grain highly jointed silicious dolomite.					-	30° 50°	lr	14	100	-							
34.00			W1, strong hard, light grey, fine grain, moderately jointed silicious dolomite.					-	50°	lr	8	88	41							
35.00	66		Core loss : 34.88 to 35.00m.																	
			W1, strong hard, white, fine grain, highly jointed and fragmented dolomite.				33.70 33.50	-	20° 40°	lr	4	21	-							
36.00			Core loss : 35.00 to 35.79m.																	
			W1, strong hard, white to dark grey, fine grain, highly jointed dolomite.					-	30°	lr	3	9	-							
37.00	BX		Core loss : 36.00 to 36.91m.																	
			W1, strong hard, light grey, fine grain highly jointed dolomite. Fine grain, light grey sand as sludge.				32.00 33.10	-	30°	lr	4	17	-							
38.00	56		Core loss : 37.00 to 37.33m.																	
			Total core loss : Light grey, fine grain sand found as sludge.				38.00 35.10	-	-	-	0	0	-							
39.00			Core loss : 38.00 to 39.00m.																	
			W1, strong hard, light grey, fine grain, highly jointed and fragmented dolomite.					-	20° 30°-40° 60°	lr	9	58	-							
40.00			Core loss : 39.00 to 39.42m.																	

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Zone: MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed.
FC= Fractured, CL= Core loss

Drilled by: JOGN SHRESTHA & SANTA MAJHI
Logged by: R. STHAPIT

BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-2B
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/08/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Danda
DIRECTION:

Depth, m	Casing Size	Core Log	Description	S P T Blows per 15 cm 0-15 / 15-30 / 30-45	Water Level m	Alteration	Orientation	Roughness	Joint/ m	Core Recovery RQD% REC%	RQD%	20	40	60	80	100	Results LU Permeability	kg/cm2 Laboratory
40.00	56		W1, strong hard, light grey, fine grain,highly jointed and fragmented silicious dolomite. Core loss : 40.00 to 40.71 m.			-	20° 40° 50°	Ir	8	29	-							
41.00			W1, strong hard, white to light grey, fine grain, highly jointed and fragmented dolomite with Quartz. Core loss : 41.00 to 41.23 m & 41.73 to 41.89 m		Dry 37.10	-	40° 60°	Ir	9	61	-							
42.00			W1, strong hard, light to dark grey, fine grain, highly jointed and fragmented dolomite. Core loss : 42.00 to 42.16 m & 42.38 to 42.74 m			-	20° 40° 50°	Ir	7	48	-							
43.00			W1, strong hard, light grey, fine grain highly jointed and fragmented dolomite. Core loss : 43.00 to 43.42 m & 43.50 to 43.91 m			-	30° 50°	Ir	4	28	-							
44.00			W1-W2, strong hard, light grey, fine grain, moderately jointed dolomite. Core loss : 44.00 to 44.68 m			-	30° 50°	Ir	6	32	-							
45.00			W1, strong hard, dark to light grey, fine grain moderately jointed dolomite with mica parting. Core loss : 45.19 to 45.48 m		44.54 Dry	-	30° 50°	Ir	10	71	-							
46.00			W1, strong hard, light grey, fine grain, highly jointed and fragmented dolomite.		43.50 22.60	-	20° 30° 50°	Ir	11	100	-							
47.00			W1, strong hard, dark grey, fine grain, moderately jointed dolomite with mica parting. Core loss : 47.00 to 47.50 m		46.60 28.70	-	30° 50°	Ir	6	40	-							
48.00	BX		W1, strong hard, light grey, fine grain, highly jointed dolomite. Sludge found as light grey, fine grain sand. Core loss : 48.08 to 49.00 m			-	30°	Ir	2	8	-							
49.00			W1, strong hard, light grey, fine grain moderately jointed dolomite with mica parting. Core loss : 49.00 to 49.41 m		47.00 33.00	-	30° 40° 50°	Ir	14	59	-							
50.00																		

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Cone, MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed,
FZ= Fractured, CL= Core loss

Drilled by: JOON SHRESTHA & SANTA MAJHI

Logged by R. STHAPIT

BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-2B
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/06/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Danda
DIRECTION:

Depth, m	Casing Size	Core Log	Description	S P T Blows per 15 cm 0-15 / 15-30 / 30-45	Water Level m.	Alteration	Orientation	Roughness	Joint/ m	Core Recovery REC%	RQD%	RQD% 20	40	60	80	100	Results Permeability LU	Laboratory kg/cm2
50.00	BX		W1, strong hard, light grey, fine grain, moderately jointed dolomite.			-	30° 40°	lr	8	32	-							
			Core loss :50.00 to 50.68 m															
51.00			W1, strong hard, light grey, fine grain, moderately jointed and fragmented dolomite.															
			Core loss : 51.32 to 51.84 m			-	30° 50°	lr	10	48	-							
52.00			W1, strong hard, light grey, fine grain, moderately jointed and fragmented dolomite.		51.50 51.10													
			Core loss : 52.55 to 53.00 m			-	30° 50°	lr	12	58	-							
53.00			W1, strong hard, light grey, fine grain, moderately jointed and fragmented dolomite.				20°-30° 50°											
			Core loss : 53.00 to 53.19 m			-		lr	9	82	-							
54.00	BX		W1, strong hard, light grey, fine grain, moderately jointed dolomite.		Drv 53.50													
			Core loss : 54.53 to 54.75 m			-	30°	lr	11	83	-							
55.00			W1, strong hard, light grey, fine grain dolomite.															
			Core loss : 55.13 to 55.31 m			-	30° 50°	lr	5	22	-							
56.00	BX		W1, strong hard, light grey, fine grain dolomite.		Drv 52.56													
			Core loss : 56.53 to 56.68 m			-	30° 50°	lr	9	85	31							
57.00			W1, strong hard, grey grey, fine grain, highly jointed dolomite.															
			Core loss : 57.00 to 57.18 m			-	30°	lr	4	22	-							
58.00			W1, strong hard, light grey, fine grain, highly jointed dolomite. Sludge cannot found due to water loss.															
			Core loss : 58.16 to 59.00 m			-	30°	lr	5	16	-							
59.00			W1, strong hard, light to dard grey, fine grain, highly jointed and fragmented dolomite with mica parting															
			Core loss : 59.00 to 59.19 m & 59.39 to 59.90 m			-	20° 30°	s, lr	5	30	-							
60.00																		

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Core, MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed.
FZ= Fractured, CL= Core loss

Drilled by: JOON SHRESTHA & SANTA MASHI
Logged by: R. STHAPIT

BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-2B
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/06/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Danda
DIRECTION:

Depth, m	Casing Size	Core Log	Description	S P T Blows per 15 cm 0-15	15-30	30-45	Water Level m	Alteration	Orientation	Roughness	Joint/ m	Core Recovery RQD% REC%	RQD%	20	40	60	80	100	Results LU	Permeability	kg/cm2	Laboratory
60.00																						
	BX		W1, strong hard, light grey, fine grain, highly jointed and fragmented silicious dolomite. Core loss : 60.32 to 61.00m					-	20° 30°	s, ir	4	32	-									
61.00			W1-W2, strong hard, light grey, fine grain, jointed dolomite, sludge of light grey, fine grain sand particle. Core loss : 61.00 to 61.81m				53.00 64.70	-	30° 50°	ir	4	19	-									
62.00			W1, strong hard, light to dark grey, fine grain, moderately jointed silicious dolomite with mica parting. Core loss : 62.14 to 63.00m					-	20° 30°	s, ir	5	14	-									
63.00			W1, strong hard, light to dark grey, fine grain, moderately jointed silicious dolomite with Quartz vein. Core loss : 63.00 to 63.20m & 63.38 to 64.00m					-	20° 30°	ir	8	18	-									
64.00			W1, strong hard, light grey, fine grain, highly jointed dolomite. Core loss : 64.00 to 64.48m & 64.66 to 65.00m					-	20° 30°	ir	4	18	-									
65.00	56		W1-W2, strong hard, light grey, fine grain, moderately jointed silicious dolomite. Core loss : 65.00 to 65.11m				64.90 63.10	-	20° 30° 40°	ir	15	88	-									
68.00			W1, strong hard, light grey, fine grain, moderately jointed dolomite.					-	20° 30° 50°	ir	16	100	10									
67.00			W1, strong hard, light grey, fine grain, highly jointed and fragmented dolomite. Core loss : 67.00 to 67.32m					-	20° 30° 40°	ir	13	68	-									
68.00			W1-W2, strong hard, light to dark grey, fine grain, moderately jointed dolomite with mica parting.				67.65 68.50	-	20° 30° 50°	s, ir	16	100	12									
69.00			W1, strong hard, light grey, fine grain, moderately jointed silicious dolomite. Core loss : 69.59 to 69.73m					-	30° 50°	s, ir	10	76	-									
70.00																						

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Zone, MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed.
FC= Fractured, CL= Core loss

Drilled by: JOON SHRESTHA & SANTA MAJHI

Logged by: R. STHAPIT

BORE HOLE LOG
KULEKHANI-3 HYDROELECTRIC POWER PROJECT

DRILL HOLE NO.: BPV-28
COORDINATES
INCLINATION: VERTICAL
DRILLING MACHINE: JOY
DRILLING METHOD: ROTARY
CLIENT: NIPPON KOEI

START DATE: 29/08/2002
COMPLETION DATE: 21/08/2002
COLLAR ELEVATION:
ELEVATION HOLE END: 78.35 m.
LOCATION: Sikharbas Danda
DIRECTION:

Depth, m	Casing Size	Core Log	Description	SPT Blows per 15 cm (0-15 / 15-30 / 30-45)	Water Level m.	Alteration	Orientation	Roughness	Joint/ m	REC%	RQD%	Core Recovery / RQD%	Results: Permeability LU	Results: Laboratory kg/cm2
70.00	56		W1, strong hard, light grey, fine grain, dolomite with mica parting.			-	20°, 40°	s, ir	11	81	22			
71.00			Core loss : 70.32 to 70.51m		70.60									
			W1, strong hard, light grey, fine grain, moderately jointed silicious dolomite.		71.00	-	20°, 30°, 50°	un, ir	11	68	-			
72.00			Core loss : 71.00 to 71.32m											
			W1-W2, strong hard, light to dark grey, fine grain, highly jointed silicious dolomite.			-	20°, 30°, 40°	s, ir	11	100	-			
73.00			W1, strong hard, light grey, fine grain, highly jointed silicious dolomite.			-	20°, 40°	s, ir	10	68	-			
74.00			Core loss : 73.00 to 73.32m											
			W1, strong hard, light to dark grey, fine grain, moderately jointed silicious dolomite.		76.00	-	20°, 40°	s, ir	8	53	-			
75.00			Core loss : 74.19 to 74.66m											
			W1, strong hard, light to dark grey, fine grain, moderately jointed silicious dolomite.			-	30°, 40°	ir	8	46	-			
76.00			Core loss : 75.16 to 75.70m											
			W1, strong hard, light to dark grey fine grain, moderately jointed silicious dolomite.			-	20°, 30°, 50°	s, ir	9	56	-			
77.50			Core loss : 76.16 to 76.60m											
			W1, strong hard, light grey, fine grain silicious dolomite.			-	20°, 30°	s, ir	6	20	-			
78.00			Core loss : 77.20 to 78.00m											
78.25			W1, strong hard, light- dark grey dolomite.			-	-	-		54	-			
79.00														
80.00														

ABBREVIATION roughness, smoothness, slickensided=sl, un=undulating, pl=planar, clay=cl, sand=sa, mica=mi, crushed=cr, iron stain=FeO
Zone, MB=Mechanical Breakage, W1=Fresh, W2=slightly Weathered, W3=Moderately Weathered, W4=Highly Weathered, W5=Decomposed.
FZ= Fractured, CL= Core loss

Drilled by: JOGN SHRESTHA & SANTA MAJHI
Logged by: R. STHAPIT

KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE : ACKER
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
0.00																					
1.00			0.000 TO 95cm DEPTH,WATER LOSS,AND CORE LOSS. BELOW THIS W2, STRONG,WHITE GRAY COLOR,THINLY FOLIATED,FINE GRAINED SILICIOUS DOLOMITE, <10cm CORES.				NO	CL COATING	70°	r	3	42	–								
2.00			1.80–2.00m WATER LOSS,CORE LOSS. BELOW IT W2 STRONG,WHITE GRAY FINE GRAINED SILICIOUS DOLOMITE				NO	–	–	–	–	39	35								
			W2,STRONG FRACTURED SILICIOUSES DOLOMITE				NO	–	–	–	–	71	60								
3.00			2.85–3.55m WATER LOSS AND CORE LOSS BELOW IT W2,STRONG,WHITE GRAY FINE GRAINED SILICIOUSES DOLOMITE				NO	–	–	–	–	33	32								
4.00			W2 ,STRONG,SILICIOUSES DOLOMITE.				NO	–	–	–	–	75	75								
			W2 ,STRONG,SILICIOUSES DOLOMITE.				NO	–	–	–	–	100	40								
5.00			W2, STRONG,SILICIOUSES DOLOMITE.				NO	CL COATING	70° 45°	r	4	100	20								
			W3 ,MEDIUM STRONG,GRAY COLOR FINE GRAINED THINLY FOLIATEDSILICIOUSES DOLOMITE, <10cm CORE.				NO	–	–	–	–	90									
6.00			5.65–6.45m CORE LOSS & WATER LOSS. BELOW IT W3 ,MEDIUM STRONG,WHITE GRAY COLOR THINLY FOLIATED SILICIOUSES DOLOMITE.				NO	–	–	–	–	33	23								
7.00			6.85–7.10m CORE LOSS & WATER LOSS. 7.10–7.30 W3 SILICIOUSES DOLOMITE, <10cm CORE				NO	–	–	–	–	33	–								
8.00			7.30–8.25m CORE LOSS. BELOW IT 8.25–8.60m W3,WHITE GRAY COLOR,FINE GRAINED FOLIATED FRACTURED SILICIOUSES DOLOMITE, <10cm CORE.				NO	–	–	–	–	18	–								
9.00			8.60–9.20m WATER LOSS & CORE LOSS, BELOW THIS 9.20–9.25m W2,SILICIOUSDOLOMITE.				NO	–	–	–	–	8	–								
10.00			9.25–9.75m WATER LOSS & CORE LOSS. BELOW THIS 9.75–10.05m W2 SILICIOUS DOLOMITE <10cm CORE.				NO	–	–	–	–	38									

ABBREVIATION Rough =r, Irregular=ir, Stepped= st, Smooth= s, Slickensided= sl, Undulating= un, Planner= pl, Clay= cl, Sand= sa, Mica= mi, Crusbed= cr, Iron stain=Feo, Fractured zone = f2, Mechanical Breakage= MB, Fresh = W1, Slightly Weathered = W2,Mod. Weathered =W3, Highly Weathered= w4, Decomposed = w5.

DRILLED BY:U.B. SHRESTHA/S.R. TIMALSINA(DRILLING SUPARVISOR),SRCL

KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE : ACKER
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
10.00			10.05–10.25m CORE LOSS. BELOW IT W2, SILICIOUS DOLOMITE.				NO	–	–	–	–	38	–								
11.00			10.30–11.35m WATER LOS & CORE LOSS. BELOW IT 11.35–11.70m W2,WHITE GRAY COLOR THINLY FOLIATED SILICIOUS DOLOMITE, <10cm CORE.				NO	–	–	–	–	25	–								
12.00			11.70–11.95m WATER LOSS & CORE LOSS 11.95–12.35m W2 SILICIOUS DOLOMITE, <10cm CORE.				NO	–	–	–	–	62	–								
13.00			12.35–12.50 m WATER LOSS & CORE LOSS 12.50–13.30m W2,WHITE GRAY COLOR FINE GRAINED,SILICIOUS DOLOMITE.				NO	–	–	–	–	84	–								
14.00			13.30–14.50m WATER LOSS, & CORE LOSS 14.50–14.75 W3,WHITE GRAY FINE GRAINED, FRACTURED SILICIOUS DOLOMITE, <10cm CORE.				NO	–	–	–	–	17	–								
15.00			14.75–16.05m WATER LOSS, & CORE LOSS 16.05–16.25 m W2,STRONG,WHITE GRAY THINLY FOLIATED,FINE GRAINED,FRACTURED SILICIOUS DOLOMITE,<10cm CORE.				NO	–	–	–	–	13	–								
16.00			16.25–16.65m CORE LOSS. 16.65–16.85m W2, STRONG,SILICIOUS DOLOMITE,<10cm CORE.				NO	–	–	–	–	33	–								
17.00			16.85–17.25m CORE LOSS. 17.25–17.75m W2,STRONG,WHITE GRAY FINE GRAINED SILICIOUS DOLOMITE.				NO	–	–	–	–	55	23								
18.00			17.75–18.10m W2 ,STRONG,SILICOUS DOLOMITE, <10cm CORES,18.10–18.20m CORE LOSS.				NO	–	–	–	–	78	–								
19.00			18.20–18.30m THINLY FOLIATED W2 ,STRONG,WHITE GRAY FINE GRAINED SILICIOUS DOLOMITE,<10cm CORE 18.30–19.35m WATER LOSS & CORE LOSS.				NO	–	–	–	–	9	–								
20.00			19.35–19.50m WELL CEMENTED CONGOMERATE. 19.50–19.85m CORE LOSS				NO	–	–	–	–	10	–								

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DRILLED BY:U.B. SHRESTHA/S.R. TIMALSINA(DRILLING SUPARVISOR),SRCL

KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE : ACKER
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES: WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD %: REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
20.00			WELL CEMENTED CONGOMENTED				NO					18	–								
21.00			CORE LOSS AND WATER LOSS IT COULD BE VOID FROM THE WIDE CRACKS IN THE ROCK.				NO														
22.00			22.35–22.70m WELL CEMENTED GRAVEL 22.70–23.00m CORE LOSS AND WATER LOSS				NO					54	–								
23.00			23.00–23.10m W3 MEDIUM STRONG SILICIOUS DOLOMITE<10cm CORE, 23.10–23.80mCORE LOSS & WATER LOSS.				NO					13	–								
24.00			23.80–24.00m CEMENTED GRAVEL 24.00–25.00m CORE LOSS				NO					17	–								
25.00			25–25.80m CORE LOSS. 25.80–25.90m W3 MEDIUM STRONG SILICIOUS FRACTURED DOLOMITE <10cm CORES				NO					11	–								
26.00			25.90–26.20m CORE LOSS 26.20–26.40m W3 MEDIUM STRONG SILICIOUS DOLOMITE <10cm				NO					40	–								
			26.40–26.50m CORE LOSS THEN SILICIOUS DOLOMITE <10cm				NO					66	–								
27.00			26.70–27.10m CORE LOSS RECOVER 27.10–27.40m FRACTURED W3 SILICIOUS DOLOMITE GRAVEL LIKE.				NO					57	–								
28.00			27.40–27.50m W2 SILICIOUS DOLOMITE 27.10–27.40m W3 MEDIUM STRONG FRACTURED SILICIOUS DOLOMITE				NO					35	12								
29.00			28.25–29.70 m CORE LOSS & WATER LOSS 29.70–29.75m W3 MEDIUM STRONG COMPATELY FRACTURED SILICIOUS DOLOMITE <10cm CORE.									5	–								
30.00			29.75–30.40 CORE LOSS.				NO					3	–								

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DRILLED BY:U.B. SHRESTHA/S.R. TIMALSINA(DRILLING SUPARVISOR),SRCL

KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE : ACKER
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
30.00			29.75–30.40m CORE LOSS					–	–	–	–	3									
31.00			30.40–30.85m W3 MEDIUM STRONG COMPLATELY FRACTURED SILICIOUS DOLOMITE 30.65–31.45mCORE LOSS 31.45 –31.70 W3,FRACTURED SILICIOUS DOLOMITE.					–	–	–	–	38	–								
			31.30–31.40m CORE LOSS & WATER LOSS. 31.40–31.70m W1,COMPLETELY FRACTURED SILICIOUS DOLOMITE				NO	–	–	–	–	63	–								
32.00			31.70–32.60m CORE LOSS.& WATER LOSS 32.60–32.80m W1,VERY STRONG, GRAY COLOR FINE GRAINED HORIZONTAL FOLIATION SILICIOUS DOLOMITE,<10cm CORE				NO	–	–	–	–	18	–								
33.00			32.80–33.70m CORE LOSS &WATER LOSS 33.70–34.00m INSITU WELL CEMENTED GRAVELS OF SILICIOUS DOLOMITE,<10cm CORE				NO	–	–	–	–	20	–								
34.00			34.00–34.13m CORE LOSS 34.13–34.25m INSITU WELL CEMENTED GRAVELS .				NO	–	–	–	–	48	48								
35.00			34.25–35.00m CORE LOSS & WATER LOSS 35.00–35.36m INSITU WELL CEMENTED GRAVEL,<10CM CORE 35.36–35.75m W1,VERY STRONG,GRAY COLOR, LAMINATED SILICIOUS DOLOMITE 65deg.INCLINED FOLIATION				NO	–	–	–	–	50	30								
36.00			35.75–37.00m CORE LOSS & WATER LOSS 37.00–37.30m W2–W3 ,STRONG– MED.STRONG, GRAY COLOR,LAMINATED SILICIOUS DOLOMITE , <10cm CORE.				NO	–	–	–	–	26	–								
37.00																					
38.00			37.30–38.65m CORE LOSS & WATER LOSS 38.65–38.80m W2, STRONG FRACTURED SILICIOUS DOLOMITE, <10cm CORE.				NO	–	–	–	–	10	–								
39.00			38.65–40.00 CORE LOSS & WATER LOSS.				NO	–	–	–	–	20	–								
40.00																					

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0-15	15-30	30-45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
40.00			40.00–40.30m W3 MEDIUM STRONG FRACTURED SILICIOUS DOLOMITE.				NO	–	–	–	–	20	–								
41.00			40.30–40.75m CORE LOSS & WATER LOSS OPEN/COMPLETELYFRACTURED AREA 40.75–41.30 FRACTURED CLAY FILLING W3 SILICIOUS DOLOMITE.				NO	–	–	–	–	55	20								
			41.30–41.48m CORE LOSS & WATER LOSS. BELOW IT W1–W2 SILICIOUS DOLOMITE.				NO	–	–	–	–	64	36								
42.00			41.80–41.93m CORE LOSS. THEN W2–W3 FRACTURED SILICIOUS DOLOMITE.				NO	–	–	–	–	71	–								
43.00			42.25–42.83m CORE LOSS THEN W1,FRESH VERY STORNG,SILICIOUS DOLOMITE.				NO	–	–	–	–	47	14								
44.00			CORE LOSS.(WEAK ZONE/OPEN)				NO	–	–	–	–	–	–								
45.00			W2,STRONG FRACTURED SILICIOUS DOLOMITE <10cm CORE.				NO	–	–	–	–	100	–								
			45–45.40m CORE LOSS, THEN W2 STRONG FRACTURED SILICIOUS DOLOMITE.				NO	–	–	–	–	20	–								
46.00			45–45.80m CORE LOSS THEN W2,STRONG SILICIOUS DOLOMITE.					St.	48° 35°	r	3	63	25								
47.00			W2,STRONG GRAY COLOR,THINLY FOLIATED FRACTURED SILICIOUS DOLOMITE.					St.	48° 35°	r	4	100	25								
48.00			47.80–48.65m CORE LOSS BELOW IT W2 STRONG,GRAY COLOR FINE THINLY FOLIATED SILICIOUS DOLOMITE.					St.	65° 45° 35°	r	4	53	12								
49.00			49.30–50.30m CORE LOSS THEN 50.30–50.45m SAND.							–	–	–	–								
50.00																					

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL.m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
50.00																					
			THIS W2,STRONG, GRAY COLOR SILICIOUS DOLOMITE.						65° 40°	r	3	23	13								
51.00			W2,STRONG, GRAY COLOR SILICIOUS DOLOMITE.						65° 40°	r	3	100	50								
			W2,STRONG, GRAY COLOR SILICIOUS DOLOMITE.						65° 40°	r	3	100	60								
52.00			51.55–51.85m CORE LOSS. BELOW IT,W2–W3 STRONG MEDIUM STRONG SILICIOUS DOLOMITE.					–	–	–	–	60	–								
53.00			52.30–53.70 CORE LOSS. BELOW THIS W2–W3 STORNG MEDIUM STRONG SILICIOUS DOLOMITE, <10cm CORES.					–	–	–	–	64	–								
			W1,STRONG, FRESH SILICIOUS DOLOMITE,					–	–	–	–	100	61								
54.00			W2,STRONG, SILICIOUS DOLOMITE.				St		65° 40°	r	4	100	55								
			54.25–54.50m CORE LOSS BELOW IT W2–W3 SILICIOUS DOLOMITE,						65° 40°	r	4	67	26								
55.00			W2–W3 SILICIOUS DOLOMITE<10cm CORE.					CL	65° 40°	r	4	100	–								
56.00			55.30–56.40mCORE LOSS,BELOW IT W2–W3 MEDIUM STRONG SILICIOUS DOLOMITE. <10cm CORE.					–	–	–	–	33	–								
57.00			56.80–57.1m CORE LOSS BELOW THIS, W3,MEDIUM STRONG SILICIOUS DOLOMITE <10cm CORE.					–	–	–	–	80	47								
58.00			58.30–58.70m CORE LOSS THEN W2–W3 STRONG MEDIUM STRONG DARK GRAY SILICIOUS DOLOMITE <10cm CORE					–	–	–	–	55	–								
59.00			CONTACT ZONE BETWEEN AND PHYLLITE DOLOMITE CORE LOSS/OPEN/WEAK ZONE)							–	–	–	–								
60.00																					

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0-15	15-30	30-45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL.m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
60.00			60.00-61.30 CORE LOSS. BELOW IT W3 MEDIUM STRONG,DARK GRAY,FRACTURED PHYLLITE <10cm CORES.						-	-	-	20	-								
61.00																					
62.00			61.30-62.00m CORE LOSS BELOW IT W4-W5 WEAK TO VERY WEAK BROWN COLOR PHYLLITE					-	-	-	-	53	35								
63.00			62.80-63.40m CORE LOSS. BELOW IT W3-W4 MEDIUM STRONG WEAK DARK GRAY COLOR PHYLLITE					St	50° 35°	r	4	60	38								
64.00																					
65.00			64.20-64.85m CORE LOSS. BELOW IT,W1-W2 STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE					St	60° 30°	S, r	3	38	18								
			65.25-65.62m CORE LOSS. BELOW IT W1-W2 QUARTZITE VEIN CONTENT PHYLLITE					-	-	-	-	33	18								
66.00			W1, STRONG DARK GRAY PHLLLITE					-	-	-	-	100	57								
67.00			66.15-66.60m CORE LOSS. BELOW IT W1 STRONG FRESH DARK GRAY COLOR THINLY FOLIATED PHYLLITE.					-	-	-	-	61	19								
			67.30-67.70m CORE LOSS. BELOW THIS W1-W2 STRONG PHYLLITE <10cM CORE					-	-	-	-	20	-								
68.00			67.80-68.80m CORE LOSS.(OPEN/ VOID)					-	-	-	-	-	-								
69.00			68.80-69.00m CORE LOSS. BELOW THIS W2 STRONG DARK GRAY PHYLLITE					-	-	-	-	75	20								
70.00			W1,STRONG DARK GRAY PHYLLITE							-	-	100	10								

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	LU PERMEABILITY	LAB TEST	SCREEN PIPE
70.00			70–00–71.45m CORE LOSS. BELOW IT W1 FRESH,STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE <10cm CORE.						–	–	–	19	–			
71.00																
72.00			W1 FRESH STRONG DARK GRAY COLOR PHYLLITE					–	–	–	–	100	33			
73.00			72.40–72.70m CORE LOSS. BELOW IT W1, FRESH STRONG DARK GRAY COLOR THINLY PHYLLITE,<10cm CORE.					–	–	–	–	77	–			
			W1,FRESH STRONG DARK GRAY COLOR PHYLLITE.					–	–	–	–	100	–			
74.00			73.60–74.30m CORELOSS. BELOW IT,W1 FRESH STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE					–	–	–	–	42	13			
75.00			74.80–75.80m CORE LOSS. BELOW IT W1 FRESH STRONG THINLY FOLIATED DARK GRAY COLOR PHYLLITE					–	–	–	–	34	7			
76.00			W1,FRESH, STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE					–	–	–	–	100	50			
77.00			76.90–77.20mCORE LOSS. BELOW IT W1 FRESH STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE.					–	–	–	–	67	22			
78.00			77.80–78.65mCORE LOSS. BELOW IT,W1 FRESH STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE.					–	–	–	–	44	23			
79.00			W1,STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE								–	100	47			
80.00																

Lu=9.00 Lit/min/m/mpa, K=1.350E-04cm/sec.

Lu=9.50 Lit/min/m/mpa, K=1.425E-04cm/sec.

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
COMPLETION DATE :
COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0-15	15-30	30-45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
80.00			80.00-80.50m CORE LOSS. BELOW IT W1 FRESH STRONG PHYLLITE.						-	-	-	29	14								
81.00			W1, FRESH STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE.						-	-	-	100	53								
82.00			W1 FRESH STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE.					-	-	-	-	100	55								
83.00			82.20-82.55m CORELOSS. BELOW IT W1 FRESH STRONG DARK GRAY COLOR PHYLLITE					-	-	-	-	63	42								
84.00			83.15-83.55m CORE LOSS. BELOW IT W1 FRESH STRONG PHYLLITE					-	-	-	-	39	23								
85.00			83.80-84.00m CORE LOSS. BELOW IT W1 FRESH STRONG PHYLLITE					-	-	-	-	70	31								
86.00			84.45-84.84.55m CORE LOSS. BELOW IT W1 FRESH ,STRONG PHYLLITE					-	-	-	-	88	41								
87.00			85.30-86.50m CORE LOSS. BELOW IT W1 FRESH STRONG THINLY FOLIATED DARK GRAY COLOR PHYLLITE					-	-	-	-	20	7								
88.00			86.80-86.95m CORE LOSS. BELOW IT W1 STRONG PHYLLITE <10cM CORE.					-	-	-	-	58	-								
89.00			STRONG DARK GRAY COLOR THINLY FOLIATED PHYLLITE.					-	-	-	-	58	-								
90.00			87.15-87.40m CORE LOSS. BELOW IT W1 STRONG DARK GRAY COLOR PHYLLITE.					-	-	-	-	67	-								
			88.20-88.65 CORE LOSS BELOW IT W1 STRONG PHYLLITE.					-	-	-	-	50	22								
			89.10-89.55m FRESH STRONG DARK GRAY COLOR PHYLLITE BELOW IT 89.55-89.80m CORE LOSS					-	-	-	-	65	65								
			W1 STRONG PHYLLITE, <10cM CORE.					-	-	-	-	100	-								

Lu=7.370 Lit/min/m/mpa, K=1.106E-04cm/sec.

Lu=14.30 Lit/min/m/mpa, K=2.145E-04cm/sec.

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KULEKHANI III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPV-3
COORDINATES 3040490.502,602570.869,834.262
INCLINATION : VERTICAL
DRILLING MACHINE :YAKAR
DRILLING METHOD : ROTARY

START DATE :
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COLLAR ELEVATION :834.262
ELEVATION OF HOLE END :734.262
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0–15	15–30	30–45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
90.00			W1 STRONG PHYLLITE <10cm CORE						–	–	–	100	–								
			90.30–91.00m CORE LOSS. BELOW IT W1–W2 STRONG PHYLLITE <10cm CORE.						–	–	–	30	–								
91.00			W1 FRESH STRONG PHYLLITE, <10cm CORE						–	–	–	100	–								
92.00			91.80–92.15m CORE LOSS BELOW IT W1 FRESH STRONG DARK GRAY COLOR PHYLLITE.					–	–	–	–	65	15								
93.00			W1 STRONG PHYLLITE DARK GRAY COLOR PHYLLITE					–	–	–	–	100	25								
94.00			93.60–93.80m CORE LOSS BELOW ITM W1 STRONG PHYLLITE					–	–	–	–	72	26								
95.00			94.30–94.50m CORE LOSS BELOW IT W1 DARK GRAY COLOR ,STRONG PHYLLITE					–	–	–	–	80	58								
96.00			W1–W2 STRONG DARK GRAY COLOR PHYLLITE MICRO DRAGGED FOLDS WITH IN THEM.					–	–	–	–	100	17								
97.00			W1–W2 STRONG DARK GRAY COLOR PHYLLITE MICRO DRAGGED FOLDS WITH IN THEM.					–	–	–	–	100	35								
98.00			W1–W2 STRONG DARK GRAY COLOR PHYLLITE MICRO DRAGGED FOLDS WITH IN THEM.					–	–	–	–	100	85								
99.00			W1–W2 STRONG DARK GRAY COLOR PHYLLITE MICRO DRAGGED FOLDS WITH IN THEM.					–	–	–	–	100	81								
100.00			W1–W2 STRONG DARK GRAY COLOR PHYLLITE MICRO DRAGGED FOLDS WITH IN THEM.					–	–	–	–	100	71								
								–	–	–	–	100	80								

Lu=7.60 Lit/min/m/mpa, K=1.140E-04cm/sec.

Lu=4.40 Lit/min/m/mpa, K=6.600E-05cm/sec.

ABBREVIATION Rough =r, Irregular=ir, Stepped= st, Smooth= s, Slickensided= sl, Undulating= un, Planner= pl, Clay= cl, Sand= sa, Mica= mi, Crusbed= cr, Iron stain=Fea, Fractured zone = f2, Mechanical Breakage= MB, Fresh = W1, Slightly Weathered = W2,Mod. Weathered =W3, Highly Weathered= w4, Decomposed = w5.

DRILLED BY:U.B. SHRESTHA/S.R. TIMALSINA(DRILLING SUPARVISOR),SRCL

KULEKHANI-III HYDROPOWER PROJECT

BORE HOLE LOG

DRILL HOLE NO. BPH-1

COORDINATES : 3040705.228,602589.264,578.717

INCLINATION : HORIZONTAL

DRILLING MACHINE : TONE-UD5

DRILLING METHOD : ROTARY

START DATE : 18-05-2002

COMPLETION DATE : 03-07-2002

COLLAR ELEVATION :578.717

ELEVATION OF HOLE END : 578.717

LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0-15	15-30	30-45	DESCRIPTION OF DISCONTINUITIES WATER LEVEL/m	ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	20	40	60	80	100	LU PERMEABILITY	LAB TEST	SCREEN PIPE
0.00			W1,FRESH,HARD,DARK GRAY COLOR THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.				FLOW	STAINING	40°	r	1	100	50								
1.00			W1,FRESH,VERY STRONG,DARK GRAY COLOR THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					STAINING	65°	S,UN	2	100	86								
2.00			1.70-2.15m SHEAR PLANE HAVING BROWN GRAY COLOR CLAY MIXED SAND 2.15-2.70 W2,STRONG,FRACTURED SILICIOUS DOLOMITE.					-	-	-	-	55	-								
3.00			W1,VERY STRONG,WHITE GRAY COLOR,THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					ST.	70° 65°	S,UN	2	100	60								
4.00			W1,VERY STRONG,WHITE GRAY COLOR,THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					STAINING	70° 65°	S,UN	2	100	56								
5.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68° 40°	r S,UN	3	100	35								
6.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68° 40°	r S,UN	3	100	42								
7.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68° 40°	r S,UN	3	100	75								
8.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68° 40°	r S,UN	3	100	41								
9.00			9.20-10.70m W1,VERY STRONG,WHITE GRAY COLOR,THINLY FOLIATED LAMINATED-					STAINING	60° 65°	S,UN	10	73	56								
10.00																					

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DRILLED BY :M. SHRESTHA/B.B KARKI/R. ADHIKARI(DRILLING SUPARVISOR/FOREMAN),SRCL

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ELEVATION OF HOLE END : 578.717
LOCATION : POWERHOUSE

Depth.m	Casing size	Core Log	DESCRIPTION OF ROCK /SOIL	S P T Blows per 15 cm 0-15	15-30	30-45	WATER LEVEL.m	DESCRIPTION OF DISCONTINUITIES ALTERATION	ORIENTATION	ROUGHNESS	JOINT/m	CORE RECOVERY RQD % REC %	RQD%	LU PERMEABILITY	LAB TEST	SCREEN PIPE
10.00			FINE GRAINED SILICIOUS DOLOMITE.					STARTING	68° 40°	r S,UN	3	100	56			
11.00			W1-2,VERY STRONG-STRONG,GREENISH GRAY COLOR,THINLY FOLIATEDLAMINATED SOME WHAT CHLORITE CONTENT,FINE GRAINED SILICIOUS DOLOMITE.					-	-	-	-	100	64			
12.00			W2, STRONG GREENISH GRAY COLOR,THINLY FOLIATED LAMINATED SOME WHAT CHLORITE CONTENT,FINE GRAINED SILICIOUS DOLOMITE. SOME MICRO GRAGGED FOLDS WITHIN IT.					-	-	-	-	100	65			
13.00			W2, STRONG,GREENISH GRAY COLOR,THINLY FOLIATED LAMINATED SOMEWHAT CHLORITE CONTENT,FINE GRAINED SILICIOUS DOLOMITE, SOME MICRO GRAGGED FOLDS WITHIN IT.					-	-	-	-	100	95			
14.00			W2,GREENISH GRAY COLOR,THINLY FOLIATED LAMINATED SOMEWHAT CHLORITE CONTENT,FINE GRAINED SILICIOUS DOLOMITE. SOME MICRO GRAGGED FOLDS WITHIN IT.					STAINING	68°	S,UN	1	100	80			
15.00			W2, STRONG,WHITEGRAY COLOR,THINLY FOLIATEDLAMINATED SOMEWHAT CHLORITE CONTENT,FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68°	S,UN	2	100	67			
16.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED FINE GRAINED SILICIOUS DOLOMITE.					STAINING	68°	S,UN	2	100	54			
17.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					STAINING	68°	S,UN	2	100	63			
18.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					STAINING	68°	S,UN	2	100	74			
19.00			W1,VERY STRONG,WHITE GRAY COLOR THINLY FOLIATED LAMINATED SILICIOUS DOLOMITE.					-	-	-	-	100	74			
20.00			19.55-20.40m W1,VERY STRONG,WHITEGRAY COLOR SILICIOUS DOLOMITE.					STAINING	68°	S,UN	2	100	76			

Lu=13.880 Lit/min/m/mpa, K=1.804E-04cm/sec.

Lu=9.60 Lit/min/m/mpa, K=1.248E-04cm/sec.

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