



**LITHOLOGY AND CHEMICAL ANALYSIS OF METERWISE LIMESTONE SAMPLES INTERSECTED IN CORE BOREHOLES DRILLED
IN THE PROSPECTING LICENCE AREA OF M/s SAGAR CEMENTS LIMITED**

BH.No. PBH-1

Geo Co-ordinates: N 16.74105, E79.85084

Starting Date: 30.08.2013

Closing Date: 01.09.2013

RL at Collar: 70.50m

Final Depth: 24.0m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-0.5	1.0		Not Analysed														Lateritic/BC Soil
2	0.5-1	1.0	0.84	6.68	0.68	0.64	49.40	1.12	0.02	0.01	0.17	0.03	0.07	0.08	265.45	10.43	1.06	Dark Grey Limestone
3	1-2	1.0	0.80	6.08	0.39	0.50	49.65	1.38	0.05	0.03	0.11	0.02	0.05	0.05	292.6	15.96	0.79	Dark Grey Limestone
4	2-3	1.0	0.85	6.25	0.57	0.70	48.67	2.28	0.04	0.04	0.16	0.03	0.05	0.05	279.48	11.64	0.82	Dark Grey Limestone
5	3-4	1.0	0.99	6.14	0.45	0.62	49.21	1.89	0.05	0.01	0.12	0.03	0.05	0.05	287.29	14.14	0.73	Dark Grey Limestone
6	4-5	1.0	0.09	6.28	0.64	0.69	48.94	2.16	0.03	0.01	0.16	0.03	0.06	0.05	279.75	10.55	0.93	Dark Grey Limestone
7	5-6	1.0	0.99	6.26	0.59	0.65	49.08	1.79	0.04	0.00	0.16	0.03	0.06	0.05	280.98	11.30	0.91	Dark Grey Limestone
8	6-7	1.0	0.99	6.48	0.68	0.75	48.74	2.09	0.04	0.01	0.17	0.03	0.06	0.06	270.09	10.35	0.90	Dark Grey Limestone
9	7-8	1.0	0.99	6.25	0.54	0.52	49.36	1.50	0.04	0.04	0.15	0.03	0.06	0.05	282.87	12.06	1.04	Dark Grey Limestone
10	8-9	1.0	0.99	5.45	0.56	0.50	50.26	1.29	0.04	0.06	0.17	0.03	0.07	0.04	330.68	10.15	1.13	Dark Grey Limestone
11	9-10	1.0	0.99	5.46	0.57	0.50	50.22	1.30	0.05	0.04	0.17	0.03	0.07	0.04	329.46	10.01	1.15	Dark Grey Limestone
12	10-11	1.0	0.99	5.38	0.54	0.61	49.78	1.58	0.05	0.04	0.15	0.03	0.05	0.05	331.34	10.50	0.89	Dark Grey Limestone
13	11-12	1.0	0.99	6.72	0.56	0.74	48.47	2.15	0.10	0.04	0.16	0.03	0.06	0.05	258.88	12.79	0.76	Dark Grey Limestone
14	12-13	1.0	0.99	7.52	0.69	0.66	48.08	2.11	0.06	0.04	0.2	0.04	0.05	0.04	229.59	11.54	1.05	Dark Grey Limestone
15	13-14	1.0	0.99	7.10	0.89	0.63	48.40	1.89	0.05	0.05	0.25	0.05	0.06	0.04	245.05	8.60	1.42	Dark Grey Limestone
16	14-15	1.0	0.99	7.57	0.76	0.70	48.00	2.22	0.07	0.03	0.23	0.04	0.05	0.04	227.71	10.67	1.08	Dark Grey Limestone
17	15-16	1.0	0.99	7.36	0.75	0.56	48.96	1.46	0.08	0.04	0.17	0.04	0.05	0.04	238.78	10.40	1.34	Dark Grey Limestone
18	16-17	1.0	0.99	6.94	1.06	0.55	49.25	1.25	0.06	0.03	0.25	0.08	0.06	0.04	255.22	7.12	1.93	Dark Grey Limestone
19	17-18	1.0	0.99	8.18	0.90	0.51	48.90	0.87	0.05	0.05	0.21	0.05	0.06	0.05	214.84	9.57	1.77	Dark Grey Limestone
20	18-19	1.0	0.95	11.05	1.96	0.66	46.91	1.10	0.05	0.06	0.44	0.10	0.11	0.05	154.37	6.30	2.98	Dark Grey Limestone
21	19-20	1.0	0.86	8.25	1.02	0.60	49.31	1.03	0.08	0.01	0.13	0.06	0.07	0.05	215.15	8.71	1.69	Green Limestone with calcite
22	20-21	1.0	0.98	9.48	1.33	0.74	48.38	0.34	0.04	0.00	0.27	0.06	0.08	0.05	184.42	7.89	1.78	Green Limestone with calcite
23	21-22	1.0	0.92	9.34	1.43	0.83	48.43	0.26	0.03	0.01	0.32	0.04	0.08	0.05	187.38	7.37	1.72	Green Limestone with calcite
24	22-23	1.0	0.73	9.49	2.02	0.78	47.49	0.59	0.04	0.00	0.49	0.08	0.09	0.04	181.64	5.47	2.61	Green Limestone with calcite
25	23-24	1.0	0.99	9.82	2.24	0.83	47.14	0.65	0.04	0.03	0.49	0.09	0.08	0.04	174.58	5.22	2.70	Green Limestone with calcite



BH.No. PBH-2

Geo Co-ordinates: N 16.73949, E79.84989

Starting Date: 20.08.2013

Closing Date: 01.09.2013

RL at Collar: 72.50m

Final Depth: 32.0m

Vertical: Vertical

Closing Date: 11.09.2015																		Vertical: Vertical
Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-0.5			Not Analysed														Black Cotton Soil
2	0.5-1	1.0	0.39	14.37	0.96	0.37	45.72	0.37	0.03	0.00	0.21	0.03	0.17	0.02	114.98	15.35	2.61	Grey to Light grey limestone
3	1-2	1.0	0.91	12.85	0.91	0.40	46.64	0.36	0.03	0.00	0.21	0.04	0.10	0.02	131.02	14.49	2.31	Dark Grey Limestone
4	2-3	1.0	0.90	9.30	0.68	0.40	48.38	0.63	0.05	0.00	0.15	0.03	0.05	0.03	186.86	14.09	1.71	Dark Grey Limestone
5	3-4	1.0	93.00	8.89	1.03	0.57	47.90	1.10	0.07	0.04	0.25	0.05	0.08	0.04	194.11	9.20	1.82	Dark Grey Limestone
6	4-5	1.0	0.82	8.61	0.56	0.51	48.19	1.25	0.06	0.02	0.14	0.03	0.06	0.04	200.88	15.97	1.09	Dark Grey Limestone
7	5-6	1.0	0.88	7.65	0.61	0.59	48.45	1.66	0.06	0.00	0.15	0.02	0.05	0.04	227.42	13.19	1.03	Dark Grey Limestone
8	6-7	1.0	0.95	6.23	0.71	0.61	49.24	1.55	0.05	0.00	0.18	0.03	0.06	0.05	283.42	9.36	1.16	Dark Grey Limestone
9	7-8	1.0	0.73	6.60	0.64	0.61	49.78	0.67	0.03	0.00	0.17	0.03	0.06	0.05	270.63	10.88	1.05	Dark Grey Limestone
10	8-9	1.0	0.61	6.03	0.64	0.79	49.20	2.02	0.05	0.00	0.17	0.03	0.06	0.05	292.72	10.23	0.81	Dark Grey Limestone
11	9-10	1.0	0.88	6.85	0.73	0.70	48.62	2.24	0.04	0.00	0.19	0.04	0.08	0.05	254.93	10.04	1.05	Dark Grey Limestone
12	10-11	1.0	0.88	6.31	0.70	0.55	49.40	1.67	0.04	0.00	0.18	0.03	0.08	0.04	280.93	9.61	1.27	Dark Grey Limestone
13	11-12	1.0	0.99	7.10	0.73	0.54	49.50	1.13	0.03	0.01	0.19	0.03	0.07	0.04	250.07	10.21	1.37	Dark Grey Limestone
14	12-13	1.0	0.99	7.90	0.71	0.59	48.72	1.68	0.03	0.01	0.19	0.03	0.06	0.04	230.59	11.23	1.22	Dark Grey Limestone
15	13-14	1.0	0.95	6.65	0.87	0.69	48.77	2.01	0.08	0.02	0.22	0.04	0.06	0.04	263.45	8.36	1.26	Dark Grey Limestone
16	14-15	1.0	0.92	7.52	0.88	0.55	48.97	1.48	0.05	0.02	0.20	0.04	0.06	0.04	234.10	9.13	1.58	Dark Grey Limestone
17	15-16	1.0	0.96	7.72	0.75	0.48	49.23	1.00	0.05	0.04	0.15	0.03	0.05	0.04	229.00	10.73	1.57	Dark Grey Limestone
18	16-17	1.0	0.99	7.04	0.92	0.59	49.48	1.43	0.05	0.04	0.10	0.05	0.06	0.04	252.43	8.28	1.56	Dark Grey Limestone
19	17-18	1.0	0.98	9.27	1.51	0.59	48.16	0.79	0.05	0.06	0.32	0.07	0.06	0.04	187.68	6.73	2.55	Dark Grey Limestone
20	18-19	1.0	0.81	8.93	1.51	0.61	48.58	0.61	0.04	0.03	0.35	0.06	0.09	0.05	196.53	6.52	2.49	Dark Grey Limestone
21	19-20	1.0	0.91	8.80	1.49	0.61	48.47	0.59	0.05	0.04	0.35	0.06	0.09	0.05	198.87	6.50	2.45	Dark Grey Limestone
22	20-21	1.0	0.85	8.76	1.69	0.61	48.51	0.60	0.04	0.00	0.40	0.06	0.09	0.05	200.23	5.81	2.75	Dark Grey Limestone
23	21-22	1.0	0.83	8.63	1.54	0.63	48.44	0.64	0.05	0.09	0.34	0.07	0.09	0.04	202.64	6.24	2.45	Dark Grey Limestone
24	22-23	1.0	0.95	8.57	1.48	0.60	48.49	0.57	0.04	0.07	0.32	0.06	0.08	0.04	204.22	6.40	2.47	Dark Grey Limestone
25	23-24	1.0	0.95	9.12	2.04	0.85	47.52	0.61	0.06	0.04	0.49	0.08	0.08	0.04	189.09	5.32	2.39	Green Limestone with calcite
26	24-25	1.0	0.93	11.70	3.10	1.20	45.24	0.80	0.03	0.06	0.69	0.13	0.08	0.04	142.50	4.97	2.59	Green Limestone
27	25-26	1.0	0.95	12.19	3.05	1.36	44.95	0.78	0.04	0.07	0.66	0.13	0.08	0.04	136.15	5.35	2.24	Green Limestone

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
28	26-27	1.0	0.97	10.50	2.42	1.20	46.31	0.63	0.04	0.07	0.53	0.11	0.07	0.04	161.19	5.53	2.03	Green Limestone
29	27-28	1.0	0.99	11.84	2.82	1.35	44.94	0.62	0.12	0.08	0.65	0.13	0.08	0.04	139.76	5.56	2.08	Green Limestone
30	28-29	1.0	0.93	11.77	2.97	1.63	44.86	0.66	0.06	0.06	0.68	0.13	0.08	0.05	140.62	5.60	1.82	Green Flaggy Limestone
31	29-30	1.0	0.81	15.18	3.95	2.24	42.20	0.71	0.03	0.07	1.00	0.18	0.10	0.05	105.42	6.08	1.76	Green Flaggy Limestone
32	30-31	1.0	0.54	13.51	3.55	1.91	43.54	0.63	0.05	0.08	0.88	0.14	0.09	0.05	120.56	5.72	1.86	Shale
33	31-32	1.0	0.60	14.69	3.78	2.08	42.38	0.67	0.07	0.07	0.96	0.16	0.09	0.05	108.82	5.97	1.82	Shale



BH.No. PBH-3

Geo Co-ordinates: N 16.73794, E79.84999

Starting Date: 24.08.2013

Closing Date: 26.08.2013

RL at Collar: 72.00m

Final Depth: 33.0m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-0.6			Not Analysed														Lateritic Soil
2	0.6-1	1.0	0.65	18.76	1.04	0.48	43.24	0.35	0.03	0.04	0.23	0.04	0.17	0.02	83.86	18.52	2.17	Light Grey Limestone
3	1-2	1.0	0.65	18.07	0.98	0.88	43.15	0.31	0.36	0.05	0.22	0.04	0.16	0.02	87.01	19.32	1.11	Light Grey Limestone
4	2-3	1.0	0.65	16.24	1.11	0.58	44.09	0.36	0.16	0.06	0.25	0.04	0.19	0.02	98.65	15.21	1.91	Light Grey Limestone
5	3-4	1.0	0.85	18.39	1.01	0.41	43.39	0.37	0.04	0.05	0.23	0.04	0.19	0.02	85.72	18.62	2.46	Light Grey Limestone
6	4-5	1.0	0.85	14.17	1.1	0.43	45.59	0.41	0.02	0.04	0.27	0.05	0.21	0.02	116.48	13.31	2.56	Light Grey Limestone
7	5-6	1.0	0.85	19.01	1.1	0.45	43.15	0.36	0.02	0.02	0.24	0.05	0.19	0.02	82.66	17.73	2.44	Light Grey Limestone
8	6-7	1.0	0.9	17.87	1.09	0.4	43.83	0.35	0.02	0.02	0.24	0.04	0.18	0.02	89.14	16.79	2.73	Light Grey Limestone
9	7-8	1.0	0.9	16.27	1.05	0.4	44.65	0.34	0.02	0.01	0.24	0.04	0.19	0.02	99.51	15.9	2.63	Light Grey Limestone
10	8-9	1.0	0.86	18.13	1.12	0.39	43.53	0.35	0.02	0	0.25	0.04	0.21	0.02	87.32	16.58	2.87	Light Grey Limestone
11	9-10	1.0	0.9	17.49	1.57	1.34	43.13	0.62	0.55	0.04	0.35	0.06	0.26	0.02	90.79	12.48	1.17	Dark Grey Limestone with clay
12	10-11	1.0	0.9	15.47	1.57	0.75	44.68	0.62	0.21	0.04	0.37	0.05	0.22	0.02	105.49	10.6	2.09	Dark Grey Limestone with clay
13	11-12	1.0	0.88	14.42	0.71	0.31	45.82	0.3	0.04	0.01	0.17	0.03	0.13	0.02	114.52	20.62	2.29	Dark Grey Limestone with clay
14	12-13	1.0	0.99	8.9	0.7	0.34	48.66	0.51	0.05	0.02	0.17	0.03	0.07	0.03	196.31	13.05	2.06	Dark Grey Limestone
15	13-14	1.0	0.99	7.73	0.7	0.5	48.89	1.18	0.05	0.02	0.17	0.03	0.06	0.04	227.03	11.54	1.4	Dark Grey Limestone
16	14-15	1.0	0.99	7.18	0.75	0.63	48.77	1.66	0.07	0	0.19	0.04	0.06	0.04	243.88	10.2	1.19	Dark Grey Limestone
17	15-16	1.0	0.99	6.63	0.73	0.62	49.01	1.8	0.05	0.01	0.19	0.04	0.07	0.05	265.27	9.7	1.18	Dark Grey Limestone
18	16-17	1.0	0.99	5.68	0.64	0.72	49.2	2.22	0.05	0	0.16	0.03	0.06	0.05	310.58	9.6	0.89	Dark Grey Limestone
19	17-18	1.0	0.95	6.28	0.59	0.61	49.18	1.82	0.04	0	0.15	0.03	0.06	0.05	280.78	11.25	0.97	Dark Grey Limestone
20	18-19	1.0	0.99	5.9	0.53	0.6	49.41	1.82	0.04	0.01	0.15	0.03	0.06	0.05	300.11	11.73	0.88	Dark Grey Limestone
21	19-20	1.0	0.99	5.43	0.6	0.55	50.01	1.63	0.04	0.02	0.17	0.03	0.07	0.04	329.99	9.6	1.09	Dark Grey Limestone
22	20-21	1.0	0.99	6.91	0.64	0.65	48.56	1.96	0.06	0.03	0.19	0.06	0.06	0.04	252.16	11.45	0.98	Dark Grey Limestone
23	21-22	1.0	0.8	6.54	0.72	0.6	49.09	1.61	0.04	0.03	0.21	0.04	0.05	0.04	269.32	9.68	1.2	Dark Grey Limestone
24	22-23	1.0	0.82	7.4	0.69	0.81	47.65	2.8	0.05	0.01	0.21	0.04	0.05	0.05	231.31	11.53	0.85	Dark Grey Limestone
25	23-24	1.0	0.82	6.3	0.84	0.68	48.87	2.03	0.06	0.01	0.25	0.05	0.06	0.04	278.47	8.18	1.24	Dark Grey Limestone
26	24-25	1.0	0.99	8.03	0.87	0.65	47.92	1.98	0.06	0.03	0.26	0.04	0.06	0.04	214.58	9.88	1.34	Green Limestone with calcite
27	25-26	1.0	0.99	7.25	0.73	0.72	48.03	2.54	0.04	0.08	0.16	0.04	0.06	0.05	237.93	10.65	1.01	Green Limestone with calcite
28	26-27	1.0	0.99	7.42	0.75	0.75	47.82	2.7	0.04	0.11	0.12	0.05	0.06	0.05	231.54	10.64	1	Grey Limestone

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
29	27-28	1.0	0.99	9.93	2.01	0.91	46.68	0.99	0.04	0.03	0.47	0.08	0.09	0.04	170.85	5.85	2.21	Grey Limestone
30	28-29	1.0	0.99	10.53	2.03	0.85	46.65	0.96	0.05	0.04	0.47	0.08	0.08	0.04	161.17	6.04	2.39	Grey Limestone
31	29-30	1.0	0.99	10.94	2.31	1.14	45.82	0.76	0.05	0.03	0.53	0.1	0.08	0.04	153.05	5.88	2.03	Grey Limestone
32	30-31	1.0	0.8	11.12	2.4	1.28	45.89	0.71	0.04	0.02	0.53	0.11	0.07	0.04	151.05	5.91	1.88	Grey Limestone
33	31-32	1.0	0.82	13.78	3.34	1.65	43.68	0.78	0.04	0.04	0.78	0.16	0.08	0.04	118.22	5.78	2.02	Green Flaggy Limestone
34	32-33	1.0	0.82	16.05	4	1.96	42.21	0.83	0.04	0.02	0.98	0.18	0.09	0.04	99.92	5.97	2.04	Shale



BH.No. PBH-4

Geo Co-ordinates: N 16.74196, E79.84928

Starting Date: 20.08.2013

Closing Date: 22.08.2013

RL at Collar: 72.50m

Final Depth: 27.00m

Vertical: Vertical

Closing Date: 22.06.2015																		Vertical	Vertical
Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology	
1	0-0.7		Not Analysed															Lateritic Soil	
2	0.7-1	1.0	0.67	14.13	0.88	0.46	46.11	0.25	0.03	0.02	0.21	0.03	0.16	0.02	117.88	16.52	1.91	Dark Grey Limestone	
3	1-2	1.0	0.72	9.46	0.97	0.55	48.01	0.87	0.04	0.02	0.23	0.05	0.08	0.03	182.75	10.30	1.76	Dark Grey Limestone	
4	2-3	1.0	0.34	8.30	0.69	0.62	48.18	1.31	0.07	0.02	0.19	0.04	0.05	0.05	208.53	12.65	1.11	Dark Grey Limestone	
5	3-4	1.0	0.76	7.60	0.69	0.72	48.48	1.62	0.05	0.02	0.18	0.03	0.05	0.05	229.10	11.73	0.96	Dark Grey Limestone	
6	4-5	1.0	0.87	6.52	0.72	0.61	49.20	1.38	0.04	0.02	0.19	0.03	0.06	0.05	270.75	9.67	1.18	Dark Grey Limestone	
7	5-6	1.0	0.86	5.27	0.51	0.51	50.36	1.06	0.04	0.00	0.13	0.02	0.05	0.05	342.22	10.84	1.00	Dark Grey Limestone	
8	6-7	1.0	0.61	4.39	0.39	0.51	50.77	1.14	0.05	0.03	0.12	0.02	0.04	0.05	413.82	11.77	0.76	Dark Grey Limestone	
9	7-8	1.0	0.55	4.60	0.68	0.57	50.34	1.35	0.05	0.03	0.18	0.03	0.05	0.05	392.01	7.33	1.19	Dark Grey Limestone	
10	8-9	1.0	0.51	5.66	0.85	0.88	48.47	2.40	0.06	0.02	0.23	0.05	0.07	0.06	307.42	7.54	0.97	Dark Grey Limestone	
11	9-10	1.0	0.99	5.51	0.63	0.70	49.36	1.89	0.06	0.03	0.18	0.04	0.06	0.05	321.14	9.45	0.90	Dark Grey Limestone	
12	10-11	1.0	0.87	6.15	0.69	0.67	49.27	1.61	0.04	0.05	0.19	0.04	0.06	0.05	287.37	9.58	1.03	Dark Grey Limestone	
13	11-12	1.0	0.82	7.24	0.64	0.66	48.64	1.76	0.04	0.02	0.21	0.03	0.06	0.04	241.12	11.97	0.97	Dark Grey Limestone	
14	12-13	1.0	0.88	6.65	0.62	0.65	48.99	1.79	0.04	0.06	0.21	0.03	0.06	0.04	264.26	11.38	0.95	Dark Grey Limestone	
15	13-14	1.0	0.99	7.05	0.64	0.64	49.17	1.47	0.07	0.01	0.21	0.03	0.06	0.04	250.26	11.66	1.00	Dark Grey Limestone	
16	14-15	1.0	0.80	6.94	0.63	0.58	49.49	1.14	0.04	0.02	0.19	0.03	0.06	0.04	255.80	11.60	1.09	Dark Grey Limestone	
17	15-16	1.0	0.84	7.36	0.73	0.76	48.11	2.39	0.04	0.03	0.20	0.04	0.06	0.05	234.81	10.84	0.96	Dark Grey Limestone	
18	16-17	1.0	0.92	7.41	1.10	0.62	49.03	1.21	0.05	0.10	0.21	0.06	0.08	0.04	238.01	7.36	1.77	Dark Grey Limestone	
19	17-18	1.0	0.90	8.27	1.72	0.73	48.23	0.62	0.05	0.02	0.42	0.07	0.08	0.04	210.79	5.54	2.36	Dark Grey Limestone	
20	18-19	1.0	0.88	10.18	2.33	0.86	46.86	0.66	0.03	0.03	0.53	0.09	0.08	0.04	167.71	5.23	2.71	Dark Grey Limestone	
21	19-20	1.0	0.90	11.87	2.73	1.32	45.23	0.81	0.11	0.06	0.59	0.12	0.08	0.04	140.17	5.67	2.07	Dark Grey Limestone	
22	20-21	1.0	0.84	12.55	3.05	1.35	45.10	0.79	0.03	0.06	0.64	0.13	0.08	0.04	132.82	5.46	2.26	Green Limestone	
23	21-22	1.0	0.88	10.86	2.21	1.20	46.05	0.59	0.04	0.07	0.50	0.11	0.07	0.04	154.83	6.11	1.84	Green Limestone	
24	22-23	1.0	0.86	11.92	2.57	1.42	45.46	0.59	0.05	0.06	0.56	0.12	0.07	0.04	140.16	6.06	1.81	Green Limestone	
25	23-24	1.0	0.84	11.39	2.61	1.43	45.67	0.49	0.04	0.02	0.65	0.11	0.07	0.04	147.21	5.79	1.83	Green Limestone	
26	24-25	1.0	0.82	14.59	3.77	2.05	42.90	0.66	0.02	0.07	0.96	0.17	0.09	0.05	110.79	5.92	1.84	Flaggy Shale	
27	25-26	1.0	0.90	17.34	4.69	2.27	41.07	0.79	0.07	0.09	1.14	0.19	0.11	0.05	91.60	5.97	2.07	Shale	
28	26-27	1.0	0.88	20.30	5.32	2.81	38.95	0.82	0.06	0.12	1.31	0.22	0.11	0.05	76.63	6.63	1.89	Shale	



BH.No. PBH-5

Geo Co-ordinates: N 16.74034, E79.84828

Starting Date: 09.09.2013

Closing Date: 11.09.2013

RL at Collar: 75.00m

Final Depth: 27.00m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0.0-1	1.0	0.65	41.57	11.03	7.38	12.88	2.12	Not Analysed									Lateritic Soil
2	1-2	1.0	0.90	21.76	1.41	0.66	41.65	0.39	0.02	0.03	0.27	0.07	0.19	28.88	11.15	1.49	0.02	Varigated Limestone
3	2-3	1.0	0.99	22.02	0.92	0.40	41.74	0.30	0.02	0.03	0.19	0.04	0.15	70.46	16.15	2.12	0.03	Varigated Limestone
4	3-4	1.0	0.88	19.90	1.21	0.42	43.04	0.43	0.02	0.03	0.26	0.05	0.19	69.05	24.39	2.27	0.02	Light Grey Limestone
5	4-5	1.0	0.85	17.02	1.41	0.53	43.98	0.52	0.05	0.04	0.32	0.06	0.26	78.96	16.83	2.87	0.02	Light Grey Limestone
6	5-6	1.0	0.88	19.14	1.36	0.45	42.43	0.43	0.03	0.02	0.29	0.05	0.21	94.29	12.58	2.65	0.02	Light Grey Limestone
7	6-7	1.0	0.88	16.26	1.01	0.38	44.18	0.38	0.04	0.00	0.21	0.04	0.19	81.07	14.53	3.05	0.02	Light Grey Limestone
8	7-8	1.0	0.92	19.18	1.17	0.41	42.52	0.41	0.03	0.00	0.26	0.04	0.21	98.51	16.42	2.69	0.02	Light Grey Limestone
9	8-9	1.0	0.91	18.99	1.27	0.41	42.77	0.48	0.03	0.00	0.28	0.04	0.22	80.79	16.87	2.86	0.02	Light Grey Limestone
10	9-10	1.0	0.99	15.07	1.82	0.52	44.45	0.78	0.03	0.00	0.43	0.07	0.28	82.22	15.41	3.10	0.02	Light Grey Limestone
11	10-11	1.0	0.90	16.53	1.28	0.41	44.34	0.52	0.04	0.01	0.33	0.05	0.20	107.84	8.79	3.51	0.02	Light Grey Limestone
12	11-12	1.0	0.92	16.39	1.08	0.36	44.66	0.44	0.03	0.01	0.26	0.04	0.17	97.60	13.28	3.10	0.02	Light Grey Limestone
13	12-13	1.0	0.84	9.99	1.09	0.38	48.27	0.53	0.05	0.00	0.27	0.04	0.09	98.81	15.56	3.04	0.02	Light Grey Limestone
14	13-14	1.0	0.99	9.01	0.71	0.39	48.39	0.75	0.05	0.02	0.19	0.03	0.05	174.02	9.57	2.85	0.03	Light Grey Limestone
15	14-15	1.0	0.97	8.58	0.65	0.48	48.47	1.14	0.06	0.02	0.18	0.03	0.06	192.89	13.03	1.84	0.04	Light Grey Limestone
16	15-16	1.0	0.92	7.29	0.71	0.62	48.40	2.11	0.04	0.03	0.09	0.04	0.09	202.98	13.62	1.35	0.05	Light Grey Limestone
17	16-17	1.0	0.97	7.86	0.57	0.64	47.77	2.27	0.04	0.05	0.09	0.05	0.07	238.46	10.90	1.14	0.05	Dark Grey Limestone
18	17-18	1.0	0.77	6.27	0.53	0.64	48.64	2.38	0.04	0.02	0.09	0.03	0.06	218.12	14.36	0.89	0.05	Dark Grey Limestone
19	18-19	1.0	0.93	8.31	0.65	0.56	47.71	1.79	0.04	0.00	0.14	0.04	0.05	278.29	12.51	0.82	0.05	Dark Grey Limestone
20	19-20	1.0	0.09	8.56	1.63	0.74	47.68	0.97	0.05	0.00	0.35	0.07	0.09	206.12	13.35	1.16	0.05	Dark Grey Limestone
21	20-21	1.0	0.85	8.89	1.55	0.58	48.25	0.37	0.02	0.00	0.32	0.07	0.09	201.37	5.99	2.20	0.04	Dark Grey Limestone
22	21-22	1.0	0.88	9.60	2.10	0.81	47.14	0.60	0.06	0.02	0.49	0.09	0.09	196.12	6.33	2.66	0.04	Dark Grey Limestone
23	22-23	1.0	0.96	11.06	2.62	1.06	45.64	0.74	0.13	0.04	0.60	0.11	0.08	178.40	5.39	2.58	0.04	Dark Grey Limestone
24	23-24	1.0	0.87	11.33	2.80	1.17	45.60	0.72	0.05	0.04	0.62	0.12	0.08	151.12	5.28	2.47	0.04	Green Limestone
25	24-25	1.0	0.89	11.90	2.97	1.29	45.07	0.51	0.05	0.04	0.64	0.12	0.07	147.77	5.22	2.39	0.04	Green Limestone
26	25-26	1.0	0.95	10.82	2.54	1.23	45.72	0.78	0.04	0.03	0.55	0.11	0.08	139.63	5.29	2.31	0.04	Green Limestone
27	26-27	1.0	0.90	11.57	2.78	1.49	44.90	0.65	0.04	0.01	0.65	0.13	0.08	154.71	5.48	2.08	0.04	Green Limestone

BH.No. PBH-6

Geo Co-ordinates: N 16.73879, E79.84737

Starting Date: 22.08.2013

Closing Date: 23.08.2013

RL at Collar: 74.50m

Final Depth: 29.00m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-0.5	1.0	0.48	Not Analysed														Lateritic Soil
2	0.5-1	1.0	0.70	17.27	1.74	0.45	43.40	0.49	0.03	0.00	0.36	0.08	0.23	0.02	92.08	10.36	3.89	Varigated Limestone
3	1-2	1.0	0.82	16.73	1.33	0.43	43.73	0.44	0.03	0.02	0.24	0.05	0.17	0.02	95.19	13.01	3.09	Varigated Limestone
4	2-3	1.0	0.88	16.86	1.02	0.39	43.77	0.41	0.03	0.01	0.22	0.04	0.15	0.02	94.20	16.85	2.61	Light Grey Limestone
5	3-4	1.0	0.91	13.61	1.31	0.48	45.38	0.67	0.03	0.02	0.30	0.05	0.19	0.02	120.91	10.85	2.76	Light Grey Limestone
6	4-5	1.0	0.92	14.24	1.37	0.49	44.89	0.57	0.03	0.02	0.30	0.05	0.19	0.02	114.55	10.85	2.82	Light Grey Limestone
7	5-6	1.0	0.73	16.20	1.14	0.44	44.42	0.38	0.03	0.02	0.26	0.04	0.15	0.02	99.59	14.65	2.58	Light Grey Limestone
8	6-7	1.0	0.85	16.82	1.26	0.44	44.07	0.43	0.04	0.04	0.29	0.06	0.22	0.02	95.34	13.81	2.87	Light Grey Limestone
9	7-8	1.0	0.82	19.95	0.86	0.36	42.90	0.30	0.04	0.02	0.20	0.04	0.17	0.02	78.06	23.61	2.40	Light Grey Limestone
10	8-9	1.0	0.85	13.94	1.14	0.47	44.25	0.43	0.06	0.03	0.27	0.05	0.22	0.02	114.99	12.68	2.43	Light Grey Limestone
11	9-10	1.0	0.83	18.51	1.02	0.38	43.69	0.36	0.03	0.02	0.24	0.05	0.19	0.02	85.73	18.49	2.70	Grey Limestone with clay
12	10-11	1.0	0.77	17.81	1.36	0.45	43.54	0.48	0.04	0.04	0.34	0.05	0.22	0.02	89.24	13.51	3.01	Dark Grey Limestone with fracture
13	11-12	1.0	0.87	16.55	0.84	0.35	44.69	0.33	0.03	0.02	0.21	0.03	0.16	0.02	97.63	20.12	2.41	Dark Grey Limestone with clay
14	12-13	1.0	0.86	18.11	1.09	0.40	43.61	0.38	0.04	0.04	0.27	0.04	0.17	0.02	87.56	16.95	2.75	Dark Grey Limestone with clay
15	13-14	1.0	0.80	14.86	1.45	0.46	44.28	0.50	0.05	0.04	0.35	0.06	0.24	0.02	108.43	10.74	3.14	Dark Grey Limestone with clay
16	14-15	1.0	0.95	15.68	1.20	0.38	44.98	0.43	0.04	0.01	0.29	0.04	0.22	0.02	104.12	13.41	3.14	Light Grey Limestone
17	15-16	1.0	0.84	15.30	1.31	0.40	45.14	0.54	0.03	0.03	0.32	0.04	0.18	0.02	107.18	12.09	3.27	Light Grey Limestone
18	16-17	1.0	0.83	15.20	2.25	0.53	45.25	0.86	0.02	0.04	0.51	0.09	0.27	0.02	109.32	7.29	4.32	Light Grey Limestone
19	17-18	1.0	0.90	14.40	1.35	0.43	45.78	0.60	0.03	0.03	0.32	0.05	0.19	0.02	115.41	11.11	3.16	Light Grey Limestone
20	18-19	1.0	0.95	14.37	0.88	0.32	45.76	0.40	0.02	0.01	0.22	0.04	0.13	0.02	114.98	16.66	2.78	Light Grey Limestone
21	19-20	1.0	0.91	12.15	1.10	0.39	46.66	0.56	0.07	0.06	0.28	0.06	0.09	0.02	138.72	11.49	2.79	Light Grey Limestone
22	20-21	1.0	0.90	9.56	0.80	0.45	47.65	0.88	0.04	0.02	0.20	0.04	0.07	0.03	179.19	12.41	1.77	Light Grey Limestone
23	21-22	1.0	0.83	6.92	0.79	0.53	48.70	1.47	0.04	0.03	0.18	0.06	0.07	0.04	252.59	9.30	1.48	Light Grey Limestone
24	22-23	1.0	0.92	6.50	0.66	0.70	48.41	2.13	0.04	0.00	0.16	0.05	0.06	0.06	267.32	10.53	0.95	Light Grey Limestone
25	23-24	1.0	0.77	5.66	0.61	0.68	49.15	2.38	0.04	0.08	0.03	0.04	0.06	0.05	311.47	9.92	0.91	Light Grey Limestone
26	24-25	1.0	0.84	8.23	0.62	0.57	48.18	1.83	0.04	0.08	0.08	0.04	0.05	0.04	210.22	13.77	1.10	Light Grey Limestone
27	25-26	1.0	0.80	8.98	0.66	0.60	47.80	1.67	0.05	0.04	0.13	0.04	0.06	0.04	191.26	14.31	1.09	Light Grey Limestone
28	26-27	1.0	0.77	8.37	1.03	0.77	48.12	1.87	0.05	0.13	0.03	0.06	0.07	0.04	206.94	8.90	1.34	Light Grey Limestone
29	27-28	1.0	0.81	16.47	4.33	1.56	41.77	1.22	0.06	0.05	1.00	0.19	0.09	0.04	96.70	5.36	2.79	Green Limestone
30	28-29	1.0	0.80	17.31	4.89	1.87	40.92	1.21	0.07	0.04	1.11	0.22	0.10	0.04	91.41	5.41	2.61	Green Limestone

BH.No. PBH-7

Geo Co-ordinates: N 16.74125, E79.84676

Starting Date: 26.08.2013

Closing Date: 27.08.2013

RL at Collar: 75.50 m

Final Depth: 25.00 m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-1	1.0	0.27	17.13	1.33	0.48	43.58	0.39	0.03	0.00	0.32	0.05	0.14	0.02	92.73	13.14	2.76	Light Grey Limestone
2	1-2	1.0	0.74	17.62	1.33	0.45	43.78	0.35	0.02	0.02	0.34	0.05	0.18	0.02	90.59	13.79	2.93	Light Grey Limestone
3	2-3	1.0	0.72	17.85	1.27	0.48	43.59	0.39	0.03	0.02	0.35	0.05	0.20	0.02	89.04	14.50	2.64	Light Grey Limestone
4	3-4	1.0	0.85	18.48	1.20	0.43	43.66	0.36	0.02	0.02	0.32	0.04	0.18	0.02	86.11	15.82	2.77	Light Grey Limestone
5	4-5	1.0	0.85	15.54	1.04	0.36	44.83	0.37	0.02	0.02	0.30	0.04	0.13	0.02	104.48	15.28	2.88	Light Grey Limestone
6	5-6	1.0	0.85	14.38	1.83	0.49	44.66	0.82	0.03	0.07	0.48	0.07	0.22	0.02	113.38	8.36	3.74	Light Grey Limestone
7	6-7	1.0	0.58	14.91	1.48	0.45	44.66	0.72	0.03	0.03	0.39	0.07	0.22	0.02	108.98	10.56	3.31	Dark Grey Limestone
8	7-8	1.0	0.58	9.95	0.85	0.42	47.48	0.98	0.04	0.03	0.26	0.04	0.07	0.03	171.65	12.08	2.02	Dark Grey Limestone
9	8-9	1.0	0.58	7.85	0.68	0.71	47.40	2.26	0.04	0.00	0.21	0.03	0.05	0.05	216.99	12.32	0.95	Dark Grey Limestone
10	9-10	1.0	0.85	5.17	0.50	0.70	49.00	2.32	0.04	0.01	0.17	0.03	0.05	0.05	339.86	11.03	0.72	Dark Grey Limestone
11	10-11	1.0	0.85	7.98	0.61	0.73	47.63	2.03	0.06	0.02	0.19	0.03	0.06	0.05	214.43	13.81	0.83	Dark Grey Limestone
12	11-12	1.0	0.85	7.33	0.60	0.94	47.23	3.08	0.03	0.00	0.21	0.03	0.06	0.05	231.39	13.22	0.63	Dark Grey Limestone
13	12-13	1.0	0.99	6.94	0.63	0.67	48.65	1.90	0.04	0.01	0.19	0.03	0.06	0.04	251.54	11.75	0.94	Dark Grey Limestone
14	13-14	1.0	0.99	6.84	0.62	0.66	48.65	1.90	0.04	0.01	0.19	0.03	0.06	0.04	255.08	11.64	0.94	Dark Grey Limestone
15	14-15	1.0	0.99	6.32	0.79	0.61	49.09	1.69	0.04	0.05	0.21	0.04	0.06	0.04	278.77	8.59	1.30	Dark Grey Limestone
16	15-16	1.0	0.99	6.08	0.55	0.64	48.66	2.24	0.04	0.03	0.13	0.04	0.06	0.05	286.85	11.62	0.86	Dark Grey Limestone
17	16-17	1.0	0.99	7.89	1.13	0.65	47.99	1.46	0.04	0.11	0.22	0.06	0.09	0.04	219.03	7.62	1.74	Dark Grey Limestone
18	17-18	1.0	0.99	9.10	2.01	0.91	46.98	0.70	0.04	0.02	0.48	0.08	0.09	0.04	187.39	5.44	2.21	Dark Grey Limestone
19	18-19	1.0	0.99	11.32	2.96	1.09	44.96	0.87	0.04	0.04	0.66	0.12	0.09	0.04	145.00	4.92	2.72	Green Limestone
20	19-20	1.0	0.95	12.14	3.23	1.27	44.21	0.90	0.04	0.05	0.71	0.14	0.08	0.04	134.69	5.03	2.54	Green Limestone
21	20-21	1.0	0.95	9.81	2.11	1.06	46.40	0.91	0.10	0.05	0.47	0.09	0.08	0.04	172.08	5.71	1.99	Green Limestone
22	21-22	1.0	0.99	12.29	2.89	1.48	44.51	0.79	0.05	0.05	0.65	0.13	0.08	0.04	133.69	5.73	1.95	Green Limestone
23	22-23	1.0	0.99	10.66	2.45	1.26	46.03	0.66	0.06	0.03	0.53	0.11	0.07	0.04	157.95	5.60	1.95	Green Limestone
24	23-24	1.0	0.99	14.72	3.88	1.96	42.33	0.82	0.03	0.04	0.92	0.17	0.09	0.05	108.58	5.75	1.98	Green Flaggy Limestone
25	24-25	1.0	0.95	15.62	4.09	2.12	41.64	0.81	0.03	0.06	1.00	0.17	0.10	0.05	101.44	5.94	1.93	Flaggy Limestone



BH.No. PBH-8

Geo Co-ordinates: N 16.73968, E79.84573

Starting Date: 27.08.2013

Closing Date: 29.08.2013

RL at Collar: 76.00 m

Final Depth: 30.00 m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-1	1.0	0.28	19.77	1.14	0.43	42.91	0.23	0.02	0.00	0.25	0.05	0.16	0.02	80.15	17.73	2.63	Light Grey Limestone
2	1-2	1.0	0.60	17.03	1.07	0.50	44.06	0.66	0.02	0.02	0.24	0.04	0.15	0.02	94.98	16.46	2.13	Light Grey Limestone
3	2-3	1.0	0.70	19.69	1.22	0.40	43.24	0.41	0.03	0.01	0.29	0.05	0.17	0.02	81.08	16.58	3.06	Dark Grey Limestone
4	3-4	1.0	0.72	15.77	0.95	0.34	45.26	0.34	0.03	0.00	0.22	0.04	0.14	0.02	142.21	14.06	2.06	Dark Grey Limestone
5	4-5	1.0	0.72	12.00	0.88	0.43	46.99	0.76	0.04	0.01	0.18	0.04	0.08	0.03	142.21	14.06	2.06	Dark Grey Limestone
6	5-6	1.0	0.72	12.09	1.19	0.43	46.77	0.59	0.03	0.02	0.29	0.05	0.15	0.02	140.88	10.57	2.77	Dark Grey Limestone
7	6-7	1.0	0.64	9.28	0.89	0.73	47.37	1.58	0.10	0.02	0.23	0.04	0.08	0.04	184.86	11.15	1.22	Dark Grey Limestone
8	7-8	1.0	0.64	9.44	0.88	0.57	47.84	1.35	0.06	0.02	0.23	0.04	0.06	0.04	183.36	11.34	1.68	Dark Grey Limestone
9	8-9	1.0	0.64	9.11	0.70	0.42	48.51	0.87	0.04	0.01	0.18	0.03	0.06	0.03	192.41	13.48	1.68	Dark Grey Limestone
10	9-10	1.0	0.55	6.83	0.75	0.65	48.75	1.68	0.04	0.02	0.19	0.04	0.06	0.05	257.32	9.71	1.16	Dark Grey Limestone
11	10-11	1.0	0.55	7.22	0.62	0.70	48.40	2.01	0.04	0.01	0.16	0.03	0.05	0.06	241.75	12.36	0.89	Dark Grey Limestone
12	11-12	1.0	0.55	6.23	0.56	0.78	48.58	2.45	0.05	0.02	0.15	0.03	0.05	0.05	280.72	11.91	0.72	Dark Grey Limestone
13	12-13	1.0	0.55	4.86	0.50	0.80	49.21	2.61	0.05	0.01	0.14	0.03	0.05	0.05	363.84	10.46	0.63	Dark Grey Limestone
14	13-14	1.0	0.99	4.13	0.91	0.79	49.53	2.37	0.05	0.03	0.25	0.04	0.08	0.05	430.88	5.35	1.15	Dark Grey Limestone
15	14-15	1.0	0.99	6.66	0.62	0.93	47.69	3.23	0.03	0.00	0.18	0.03	0.06	0.05	258.15	11.72	0.66	Dark Grey Limestone
16	15-16	1.0	0.99	4.98	1.30	0.78	49.25	2.22	0.07	0.03	0.35	0.08	0.12	0.04	355.98	4.63	4.65	Dark Grey Limestone
17	16-17	1.0	0.99	4.37	0.96	0.74	49.73	2.01	0.05	0.03	0.27	0.06	0.09	0.04	409.23	5.27	1.31	Dark Grey Limestone
18	17-18	1.0	0.99	6.66	0.64	0.68	48.68	1.96	0.04	0.00	0.18	0.03	0.06	0.04	263.26	11.17	0.93	Dark Grey Limestone
19	18-19	1.0	0.99	7.42	0.72	0.80	47.93	2.46	0.03	0.01	0.21	0.04	0.05	0.05	233.25	11.06	0.90	Dark Grey Limestone
20	19-20	1.0	0.99	7.01	1.06	0.75	48.95	1.27	0.05	0.04	0.27	0.06	0.06	0.04	252.09	7.36	1.41	Dark Grey Limestone
21	20-21	1.0	0.99	7.00	0.76	0.63	49.13	1.77	0.03	0.08	0.07	0.05	0.06	0.04	252.88	9.85	1.20	Green Limestone
22	21-22	1.0	0.99	14.09	2.98	1.24	43.64	1.12	0.02	0.02	0.76	0.13	0.09	0.04	115.59	5.96	2.41	Green Limestone with clay
23	22-23	1.0	0.99	10.95	2.17	1.20	45.83	0.64	0.06	0.02	0.52	0.10	0.07	0.04	153.68	6.26	1.80	Green Limestone
24	23-24	1.0	0.99	12.94	2.97	1.37	44.38	0.72	0.07	0.07	0.71	0.14	0.08	0.04	127.54	5.72	2.17	Green Limestone
25	24-25	1.0	0.99	12.75	2.75	1.31	44.52	0.64	0.05	0.07	0.67	0.13	0.08	0.04	129.52	5.95	2.09	Green Limestone
26	25-26	1.0	0.99	14.48	3.76	1.94	42.84	0.77	3.00	0.01	0.93	0.17	0.09	0.05	111.85	5.79	1.94	Green Limestone
27	26-27	1.0	0.95	17.72	4.71	2.64	40.36	0.83	0.02	0.07	1.21	0.21	0.10	0.05	88.95	6.40	1.78	Shale
28	27-28	1.0	0.99	16.42	4.40	2.42	40.93	0.80	0.05	0.06	1.14	0.19	0.10	0.05	96.16	6.15	1.82	Shale
29	28-29	1.0	0.99	15.81	4.11	2.28	41.58	0.75	0.06	0.07	1.08	0.17	0.10	0.05	100.69	6.13	1.80	Shale
30	29-30	1.0	0.95	20.11	5.44	3.19	38.16	0.90	0.04	0.09	1.39	0.24	0.11	0.05	76.47	6.88	1.71	Shale



BH.No. PBH-9

Geo Co-ordinates: N 16.72273, E79.83117

Starting Date: 20.09.2013

Closing Date: 24.09.2013

RL at Collar: 64.50 m

Final Depth: 39.00 m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-1	1.0	0.90	20.22	1.25	0.53	42.06	0.36	0.03	0.03	0.27	0.05	0.22	0.03	76.09	30.61	2.37	Light Grey Limestone
2	1-2	1.0	0.90	23.61	1.39	0.56	40.58	0.42	0.03	0.04	0.29	0.06	0.25	0.03	63.4	30.29	2.48	Light Grey Limestone
3	2-3	1.0	0.90	24.07	1.63	0.63	40.43	0.44	0.03	0.03	0.34	0.06	0.26	0.03	62.32	23.42	2.57	Light Grey Limestone
4	3-4	1.0	0.90	20.68	1.02	0.43	42.26	0.34	0.02	0.01	0.22	0.04	0.17	0.02	74.48	46.94	2.37	Light Grey Limestone
5	4-5	1.0	0.90	18.56	0.90	0.36	43.49	0.31	0.03	0.01	0.19	0.04	0.17	0.02	84.99	57.28	2.5	Light Grey Limestone
6	5-6	1.0	0.90	18.09	0.98	0.59	43.39	0.35	0.13	0.00	0.22	0.03	0.18	0.02	87.22	31.2	1.67	Light Grey Limestone
7	6-7	1.0	0.90	13.70	1.11	0.47	45.56	0.41	0.04	0.01	0.24	0.03	0.19	0.02	120.35	26.61	2.37	Light Grey Limestone
8	7-8	1.0	0.50	15.58	0.80	0.36	44.88	0.32	0.03	0.00	0.17	0.03	0.17	0.02	104.02	54.57	2.24	Light Grey Limestone
9	8-9	1.0	0.50	14.98	0.72	0.31	42.27	0.29	0.03	0.00	0.16	0.03	0.17	0.02	108.98	67.99	2.35	Light Grey Limestone
10	9-10	1.0	0.50	14.22	1.22	0.44	45.38	0.47	0.03	0.05	0.28	0.05	0.22	0.02	115.69	26.23	2.75	Light Grey Limestone
11	10-11	1.0	0.36	16.97	0.98	0.39	44.15	0.35	0.02	0.02	0.23	0.04	0.17	0.02	94.29	44.87	2.51	Light Grey Limestone
12	11-12	1.0	0.04	27.23	0.57	0.44	40.05	0.24	0.02	0.01	0.10	0.03	0.12	0.01	53.48	110.28	1.29	Light Grey Limestone
13	12-13	1.0	0.36	18.04	1.26	0.49	43.52	0.54	0.04	0.04	0.29	0.05	0.24	0.02	87.97	29.21	2.55	Light Grey Limestone
14	13-14	1.0	0.90	13.84	1.40	0.53	45.60	0.67	0.05	0.00	0.33	0.05	0.24	0.02	119.72	18.75	2.67	Light Grey Limestone
15	14-15	1.0	0.90	17.61	1.43	0.46	43.72	0.53	0.05	0.05	0.34	0.06	0.28	0.02	90.67	26.98	3.11	Light Grey Limestone
16	15-16	1.0	0.90	13.26	0.88	0.33	46.39	0.34	0.03	0.02	0.20	0.03	0.13	0.02	126.21	45.87	2.70	Dark Grey Limestone
17	16-17	1.0	0.55	8.53	0.69	0.33	48.84	0.45	0.05	0.01	0.16	0.03	0.07	0.03	205.46	38.16	2.12	Dark Grey Limestone
18	17-18	1.0	0.55	8.23	0.76	0.74	47.76	1.66	0.06	0.01	0.18	0.04	0.06	0.05	208.60	14.60	1.03	Dark Grey Limestone
19	18-19	1.0	0.76	7.60	0.72	0.98	47.89	2.02	0.16	0.00	0.19	0.04	0.06	0.06	226.52	10.83	0.73	Dark Grey Limestone
20	19-20	1.0	0.78	5.73	0.65	0.73	49.32	1.74	0.08	0.02	0.17	0.04	0.06	0.06	308.74	12.16	0.89	Dark Grey Limestone
21	20-21	1.0	0.73	0.44	0.57	0.78	48.36	2.24	0.08	0.02	0.16	0.03	0.06	0.06	269.54	14.65	0.73	Dark Grey Limestone
22	21-22	1.0	0.75	6.13	0.47	0.59	49.15	1.87	0.04	0.01	0.13	0.02	0.06	0.05	287.22	21.91	0.79	Dark Grey Limestone
23	22-23	1.0	0.78	6.11	0.41	0.61	49.29	1.83	0.06	0.00	0.12	0.02	0.05	0.05	289.14	24.44	0.66	Dark Grey Limestone
24	23-24	1.0	0.75	6.93	0.65	0.80	47.72	2.69	0.05	0.02	0.21	0.04	0.07	0.05	247.25	13.41	0.81	Dark Grey Limestone
25	24-25	1.0	0.99	7.30	0.50	0.92	46.81	3.53	0.05	0.02	0.21	0.04	0.07	0.05	230.31	15.77	0.55	Dark Grey Limestone
26	25-26	1.0	0.99	5.39	0.54	0.62	49.50	2.02	0.06	0.09	0.10	0.04	0.07	0.04	329.25	16.31	0.87	Dark Grey Limestone
27	26-27	1.0	0.99	8.05	0.93	0.69	48.22	1.58	0.09	0.13	0.14	0.06	0.07	0.05	215.46	12.53	1.35	Dark Grey Limestone
28	27-28	1.0	0.70	9.43	1.48	0.73	47.46	0.89	0.08	0.02	0.39	0.07	0.08	0.04	182.00	8.71	2.01	Dark Grey Limestone

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
29	28-29	1.0	0.70	8.94	1.75	0.79	47.50	0.74	0.07	0.01	0.46	0.08	0.09	0.04	192.32	6.47	2.22	Dark Grey Limestone
30	29-30	1.0	0.70	7.98	1.48	0.68	48.26	0.59	0.04	0.00	0.38	0.06	0.08	0.04	218.09	7.93	2.18	Dark Grey Limestone
31	30-31	1.0	0.75	9.26	2.24	0.84	46.89	0.70	0.03	0.01	0.60	0.09	0.09	0.04	184.06	4.91	2.66	Dark Grey Limestone
32	31-32	1.0	0.84	9.44	1.99	0.88	47.12	0.68	0.05	0.03	0.47	0.08	0.08	0.04	181.22	5.37	2.26	Green Limestone
33	32-33	1.0	0.78	9.66	2.10	0.98	46.58	0.69	0.05	0.03	0.51	0.09	0.09	0.04	175.35	4.71	2.16	Green Limestone
34	33-34	1.0	0.95	14.26	3.19	1.62	43.19	0.85	0.19	0.04	0.75	0.14	0.10	0.04	112.98	2.77	1.97	Green Limestone
35	34-35	1.0	0.95	11.88	2.43	1.64	44.73	0.77	0.20	0.02	0.53	0.10	0.08	0.05	138.46	2.97	1.48	Green Limestone
36	35-36	1.0	0.95	14.72	3.56	1.93	42.45	0.93	0.05	0.01	0.85	0.17	0.08	0.05	108.45	2.14	1.85	Green Limestone
37	36-37	1.0	0.99	13.80	3.01	1.65	43.60	0.69	0.05	0.02	0.79	0.14	0.09	0.05	117.47	2.78	1.82	Green Limestone
38	37-38	1.0	0.99	18.97	4.45	2.82	39.41	0.89	0.05	0.05	1.21	0.23	0.11	0.05	81.27	1.51	1.58	Shale
39	38-39	1.0	0.99	17.92	4.35	2.67	40.16	0.91	0.05	0.06	1.16	0.20	0.11	0.05	86.90	1.54	1.63	Shale



BH.No. PBH-10

Geo Co-ordinates: N 16.71553, E79.84394

Starting Date: 03.09.2013

Closing Date: 09.09.2013

RL at Collar: 59.50 m

Final Depth: 36.00 m

Vertical: Vertical

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
1	0-1	1.0	0.80	16.10	1.32	0.62	44.45	0.37	0.03	0.04	0.23	0.06	0.17	0.02	100.53	12.83	2.13	Light Grey Limestone
2	1-2	1.0	0.80	16.87	0.87	0.46	44.23	0.3	0.02	0.01	0.19	0.03	0.17	0.02	94.94	19.88	1.88	Light Grey Limestone
3	2-3	1.0	0.75	19.34	1.39	0.53	42.51	0.55	0.03	0.04	0.31	0.07	0.23	0.02	80.49	14.40	2.65	Light Grey Limestone
4	3-4	1.0	0.64	18.35	1.37	0.63	43.04	0.61	0.04	0.02	0.29	0.06	0.22	0.02	85.79	14.01	2.18	Light Grey Limestone
5	4-5	1.0	0.63	16.37	1.57	0.56	44.55	0.74	0.04	0.03	0.37	0.06	0.26	0.02	105.70	10.37	2.80	Dark Grey Limestone with Clay bands
6	5-6	1.0	0.63	15.07	1.07	0.42	45.06	0.55	0.03	0.01	0.25	0.04	0.21	0.02	108.31	14.45	2.58	Dark Grey Limestone
7	6-7	1.0	0.60	15.94	0.80	0.31	44.69	0.39	0.03	0.00	0.19	0.03	0.14	0.02	101.28	20.34	2.55	Dark Grey Limestone
8	7-8	1.0	0.43	13.30	0.71	0.33	46.21	0.40	0.04	0.00	0.17	0.03	0.10	0.02	125.12	19.12	2.13	Dark Grey Limestone
9	8-9	1.0	0.45	10.16	0.81	0.40	47.65	0.67	0.04	0.01	0.20	0.06	0.08	0.02	168.70	12.93	2.03	Dark Grey Limestone
10	9-10	1.0	0.41	7.92	0.55	0.61	47.82	1.89	0.04	0.02	0.15	0.03	0.05	0.05	216.73	15.09	0.89	Dark Grey Limestone
11	10-11	1.0	0.99	5.39	0.80	0.72	48.87	1.87	0.05	0.01	0.21	0.04	0.06	0.06	325.40	7.47	1.10	Dark Grey Limestone
12	11-12	1.0	0.99	6.30	0.68	0.77	48.29	2.35	0.05	0.02	0.18	0.04	0.06	0.06	274.93	10.00	0.89	Dark Grey Limestone
13	12-13	1.0	0.99	6.56	0.52	0.64	48.76	1.90	0.05	0.03	0.14	0.03	0.06	0.05	266.61	13.30	0.81	Dark Grey Limestone
14	13-14	1.0	0.93	5.12	0.53	0.90	48.47	3.05	0.05	0.03	0.15	0.03	0.05	0.06	339.11	10.60	0.59	Dark Grey Limestone
15	14-15	1.0	0.90	6.83	0.52	0.76	48.09	2.60	0.04	0.00	0.14	0.03	0.06	0.05	252.53	14.02	0.68	Dark Grey Limestone
16	15-16	1.0	0.90	5.83	0.63	0.65	49.43	1.74	0.08	0.02	0.17	0.03	0.07	0.04	304.11	9.93	0.97	Dark Grey Limestone
17	16-17	1.0	0.99	6.66	0.73	0.67	48.62	1.88	0.06	0.04	0.20	0.04	0.06	0.04	262.22	9.76	1.10	Dark Grey Limestone
18	17-18	1.0	0.99	6.02	0.68	0.57	49.38	1.59	0.05	0.04	0.18	0.04	0.06	0.04	294.37	9.45	1.18	Dark Grey Limestone
19	18-19	1.0	0.99	6.35	0.89	0.57	48.94	1.57	0.05	0.03	0.26	0.05	0.07	0.04	276.80	7.71	1.55	Dark Grey Limestone
20	19-20	1.0	0.74	6.93	0.80	0.84	47.56	2.69	0.09	0.01	0.24	0.04	0.06	0.04	246.69	9.54	0.95	Dark Grey Limestone
21	20-21	1.0	0.77	6.73	0.89	0.57	48.58	1.50	0.04	0.02	0.26	0.05	0.06	0.04	259.15	8.18	1.55	Dark Grey Limestone
22	21-22	1.0	0.74	7.13	0.70	0.58	48.64	1.27	0.06	0.00	0.19	0.04	0.05	0.04	244.72	10.74	1.22	Dark Grey Limestone
23	22-23	1.0	0.99	6.49	0.85	0.55	49.08	1.26	0.04	0.01	0.22	0.06	0.05	0.04	271.67	8.17	1.55	Dark Grey Limestone
24	23-24	1.0	0.99	6.32	0.76	0.53	49.51	1.16	0.03	0.01	0.19	0.04	0.05	0.05	181.18	8.83	1.43	Dark Grey Limestone
25	24-25	1.0	0.99	6.70	0.98	0.59	49.05	1.35	0.04	0.06	0.20	0.05	0.05	0.04	263.15	7.41	1.66	Dark Grey Limestone
26	25-26	1.0	0.99	8.35	1.11	0.65	48.14	1.16	0.07	0.11	0.24	7.00	0.06	0.05	207.76	8.18	1.70	Dark Grey Limestone
27	26-27	1.0	0.99	7.28	0.91	0.59	49.11	1.11	0.04	0.05	0.18	0.05	0.06	0.05	242.47	8.56	1.55	Dark Grey Limestone
28	27-28	1.0	0.99	7.90	1.34	0.66	48.52	0.73	0.04	0.03	0.32	0.06	0.08	0.05	221.40	6.56	2.03	Dark Grey Limestone
29	28-29	1.0	0.99	8.66	1.67	0.74	47.78	0.67	0.06	0.02	0.41	0.08	0.09	0.04	199.47	5.91	2.27	Green Lst. mixed with calcite
30	29-30	1.0	0.70	8.31	1.81	0.82	47.98	0.63	0.05	0.03	0.44	0.08	0.09	0.04	208.90	5.41	2.20	Green Lst. with calcite mix

Sl. No.	Depth (m)	Drill Run	Core Recovery	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	CaO %	MgO %	SO ₃ %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	Mn ₂ O ₃ %	LSF	SM	AM	Lithology
31	30-31	1.0	0.70	12.73	3.04	1.30	43.97	0.97	0.05	0.06	0.74	0.14	0.09	0.04	127.81	5.49	2.33	Green Limestone
32	31-32	1.0	0.70	14.65	3.84	1.73	42.15	1.08	0.05	0.07	0.93	0.18	0.09	0.04	108.41	5.55	2.22	Green Limestone
33	32-33	1.0	0.87	15.50	3.64	1.92	41.43	0.96	0.05	0.10	0.92	0.18	0.08	0.05	101.00	6.18	1.90	Green Limestone
34	33-34	1.0	0.90	13.50	3.34	1.96	42.89	0.74	0.03	0.05	0.92	0.16	0.08	0.05	118.70	6.00	1.70	Green Limestone
35	34-35	1.0	0.99	17.61	4.62	2.60	39.74	0.94	0.04	0.07	1.26	0.23	0.10	0.05	87.75	6.41	1.78	Shale
36	35-36	1.0	0.99	19.01	5.24	2.89	38.34	1.02	0.05	0.10	1.42	0.25	0.12	0.05	80.09	6.52	1.81	Shale