

**Bore Hole Lithologs**

**R.L:-49.607**  
**Co-ordinates:-**  
**Northing:-20636.76**  
**Easting:-18895.713**

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Lignite Seam	Horizon
VLR-3	0.00	3.00	3.00	Black Cotton Soil	-	-	-		
VLR-3	3.00	16.00	13.00	Variegated Clay	-	-	-		
VLR-3	16.00	16.40	0.40	Conglomerate					
VLR-3	16.40	48.00	31.60	Variegated Clay					
VLR-3	48.00	48.60	0.60	Lignite	47.00	3.22	3113.58	Local Seam	Local Seam
VLR-3	48.60	54.00	5.40	Grey Clay	-	-	-		
VLR-3	54.00	54.35	0.35	Carbonaceous Clay	-	-	-		
VLR-3	54.35	55.00	0.65	Lignite	49.00	3.74	3130.27	S1	H1
VLR-3	55.00	56.00	1.00	Lignite	49.00	5.37	2969.06	S1	H1
VLR-3	56.00	57.00	1.00	Lignite	50.00	7.99	2593.30	S1	H1
VLR-3	57.00	57.35	0.35	Lignite	49.00	3.35	3009.23	S1	H1
VLR-3	57.35	58.00	0.65	Carbonaceous Clay	-	-	-		
VLR-3	58.00	59.15	1.15	Lignite	49.00	2.91	3069.12	S1	H1
VLR-3	59.15	60.00	0.85	Carbonaceous Clay	-	-	-		
VLR-3	60.00	61.00	1.00	Lignite	50.00	12.06	2290.44	S1	H1
VLR-3	61.00	62.00	1.00	Lignite	50.00	3.86	2923.70	S1	H1
VLR-3	62.00	62.60	0.60	Grey Clay	-	-	-		
VLR-3	62.60	63.10	0.50	SST	-	-	-		
VLR-3	63.10	66.70	3.60	Grey Clay	-	-	-		
VLR-3	66.70	67.20	0.50	Clay Stone	-	-	-		
VLR-3	67.20	68.85	1.65	Grey Clay	-	-	-		
VLR-3	68.85	69.10	0.25	Clay Stone	-	-	-		
VLR-3	69.10	70.90	1.80	Grey Clay	-	-	-		
VLR-3	70.90	71.15	0.25	Clay Stone	-	-	-		
VLR-3	71.15	72.80	1.65	Grey Clay	-	-	-		
VLR-3	72.80	73.00	0.20	Clay Stone	-	-	-		
VLR-3	73.00	75.40	2.40	Fossileferous Grey Clay	-	-	-		
VLR-3	75.40	76.00	0.60	Lignite	53.00	10.81	2371.46	S2	H2
VLR-3	76.00	76.50	0.50	Lignite	53.00	3.46	2929.37	S2	H2
VLR-3	76.50	79.50	3.00	Grey Clay	-	-	-		
VLR-3	79.50	80.15	0.65	Clay Stone	-	-	-		
VLR-3	80.15	81.85	1.70	Grey Clay	-	-	-		
VLR-3	81.85	82.00	0.15	Clay Stone	-	-	-		
VLR-3	82.00	84.90	2.90	Grey Clay	-	-	-		
VLR-3	84.90	85.10	0.20	Clay Stone	-	-	-		
VLR-3	85.10	87.00	1.90	Grey Clay	-	-	-		
VLR-3	87.00	87.60	0.60	Lignite	50.00	6.11	3153.63	Local Seam	Local Seam
VLR-3	87.60	94.50	6.90	Grey Clay	-	-	-		
VLR-3	94.50	95.00	0.50	Lignite	51.00	12.46	2453.76	S3	H2
VLR-3	95.00	96.80	1.80	Carbonaceous Clay	-	-	-		
VLR-3	96.80	97.00	0.20	Lignite	-	-	-	S3	H2
VLR-3	97.00	97.50	0.50	Carbonaceous Clay	-	-	-		
VLR-3	97.50	106.00	8.50	Grey Clay	-	-	-		
VLR-3	106.00	107.00	1.00	Carbonaceous Clay	-	-	-		
VLR-3	107.00	108.00	1.00	Grey Clay	-	-	-		
VLR-3	108.00	108.20	0.20	Silt Stone	-	-	-		
VLR-3	108.20	109.00	0.80	Lignite	54.00	4.00	2680.93	S4	H3
VLR-3	109.00	110.00	1.00	Lignite	54.00	6.51	2662.98	S4	H3
VLR-3	110.00	111.00	1.00	Lignite	55.00	2.56	2964.07	S4	H3
VLR-3	111.00	111.60	0.60	Lignite	54.00	2.51	2983.70	S4	H3
VLR-3	111.60	112.65	1.05	Carbonaceous Clay	-	-	-		
VLR-3	112.65	113.00	0.35	Silt Stone	-	-	-		
VLR-3	113.00	113.30	0.30	Lignite	52.00	7.69	2822.69	S4	H3
VLR-3	113.30	114.35	1.05	Carbonaceous Clay	-	-	-		
VLR-3	114.35	114.70	0.35	Lignite	52.00	3.08	3185.73	S4	H3
VLR-3	114.70	115.40	0.70	Grey Clay	-	-	-		
VLR-3	115.40	116.00	0.60	Lignite	54.00	2.75	2968.53	S4	H3
VLR-3	116.00	117.00	1.00	Carbonaceous Clay	-	-	-		
VLR-3	117.00	118.00	1.00	Lignite	54.00	5.43	2840.75	S4	H3
VLR-3	118.00	118.80	0.80	Lignite	55.00	6.93	2674.00	S4	H3
VLR-3	118.80	119.00	0.20	Carbonaceous Clay	-	-	-		
VLR-3	119.00	120.00	1.00	Lignite	55.00	2.90	2939.26	S4	H3
VLR-3	120.00	120.40	0.40	Lignite	55.00	5.13	2638.13	S4	H3
VLR-3	120.40	120.60	0.20	Grey Clay	-	-	-		

VLR-3	120.60	122.00	1.40	Carbonaceous Clay	-	-	-		
VLR-3	122.00	123.00	1.00	Grey Clay	-	-	-		
VLR-3	123.00	123.50	0.50	Carbonaceous Clay	-	-	-		
VLR-3	123.50	124.00	0.50	Lignite	51.00	8.68	2769.36	S5	H3
VLR-3	124.00	125.00	1.00	Lignite	51.00	4.70	2996.69	S5	H3
VLR-3	125.00	125.70	0.70	Lignite	51.00	7.95	2928.92	S5	H3
VLR-3	125.70	126.00	0.30	Carbonaceous Clay	-	-	-		
VLR-3	126.00	127.00	1.00	Grey Clay	-	-	-		
VLR-3	127.00	128.00	1.00	Lignite	52.00	5.71	2958.00	S5	H3
VLR-3	128.00	129.00	1.00	Lignite	52.00	4.04	2897.56	S5	H3
VLR-3	129.00	129.30	0.30	Carbonaceous Clay	-	-	-		
VLR-3	129.30	129.90	0.60	Lignite	52.00	2.66	2968.81	S5	H3
VLR-3	129.90	130.00	0.10	Silt Stone	-	-	-		
VLR-3	130.00	130.50	0.50	Lignite	52.00	2.30	3166.06	S5	H3
VLR-3	130.50	131.00	0.50	Carbonaceous Clay	-	-	-		
VLR-3	131.00	136.00	5.00	Grey Clay	-	-	-		
VLR-3	136.00	136.30	0.30	Carbonaceous Clay	-	-	-		
VLR-3	136.30	137.00	0.70	Lignite	50.00	4.04	3050.39	Local Seam	Local Seam
VLR-3	137.00	137.50	0.50	Lignite	50.00	5.28	2865.13	Local Seam	Local Seam
VLR-3	137.50	140.20	2.70	Carbonaceous Clay	-	-	-		
VLR-3	140.20	141.00	0.80	Lignite	52.00	7.55	2758.87	S6	H3
VLR-3	141.00	142.00	1.00	Carbonaceous Clay	-	-	-		
VLR-3	142.00	150.00	8.00	Grey Clay	-	-	-		

R.L:-49.0652

Co-ordinates:-

Northing:-20517.236

Easting:18616.1823

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-4	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-4	6.00	58.90	52.90	Variegated Clay	-	-	-		
VLR-4	58.90	59.00	0.10	Clay Stone	-	-	-		
VLR-4	59.00	60.90	1.90	Variegated Clay	-	-	-		
VLR-4	60.90	61.00	0.10	Clay Stone	-	-	-		
VLR-4	61.00	61.60	0.60	Grey Clay	-	-	-		
VLR-4	61.60	62.00	0.40	Conglomerate	-	-	-		
VLR-4	62.00	62.30	0.30	Grey Clay	-	-	-		
VLR-4	62.30	62.50	0.20	Carbonaceous Clay	-	-	-		
VLR-4	62.50	63.00	0.50	Lignite	52.00	6.09	2774.02	S1	H1
VLR-4	63.00	64.00	1.00	Lignite	52.00	4.22	2866.30	S1	H1
VLR-4	64.00	65.00	1.00	Lignite	53.00	6.90	2649.60	S1	H1
VLR-4	65.00	66.00	1.00	Lignite	52.00	8.40	2600.80	S1	H1
VLR-4	66.00	67.50	1.50	Grey Clay	-	-	-		
VLR-4	67.50	68.00	0.50	Carbonaceous Clay	-	-	-		
VLR-4	68.00	69.00	1.00	Lignite	55.00	8.88	2396.40	S1	H1
VLR-4	69.00	70.00	1.00	Lignite	52.00	8.54	2517.30	S1	H1
VLR-4	70.00	71.00	1.00	Grey Clay	-	-	-		
VLR-4	71.00	72.00	1.00	Carbonaceous Clay	-	-	-		
VLR-4	72.00	82.90	10.90	Grey Clay	-	-	-		
VLR-4	82.90	83.00	0.10	Clay Stone	-	-	-		
VLR-4	83.00	85.50	2.50	Fossileferous Grey Clay	-	-	-		
VLR-4	85.50	86.00	0.50	Lignite	50.00	9.10	2744.32	S2	H2
VLR-4	86.00	87.00	1.00	Lignite	51.00	5.08	2882.00	S2	H2
VLR-4	87.00	87.30	0.30	Lignite	52.20	4.70	2938.20	S2	H2
VLR-4	87.30	88.90	1.60	Grey Clay	-	-	-		
VLR-4	88.90	89.00	0.10	Clay Stone	-	-	-		
VLR-4	89.00	95.90	6.90	Fossileferous Grey Clay	-	-	-		
VLR-4	95.90	96.00	0.10	Clay Stone	-	-	-		
VLR-4	96.00	96.10	0.10	Fossileferous Grey Clay	-	-	-		
VLR-4	96.10	97.00	0.90	Lignite	50.00	5.23	2945.00	Local Seam	Local Seam
VLR-4	97.00	98.00	1.00	Lignite	50.00	5.23	2945.00	Local Seam	Local Seam
VLR-4	98.00	99.90	1.90	Grey Clay	-	-	-		
VLR-4	99.90	100.00	0.10	Clay Stone	-	-	-		
VLR-4	100.00	100.90	0.90	Grey Clay	-	-	-		
VLR-4	100.90	101.00	0.10	Clay Stone	-	-	-		
VLR-4	101.00	104.00	3.00	Grey Clay	-	-	-		
VLR-4	104.00	104.60	0.60	Lignite	49.00	11.40	2615.00	S3	H2
VLR-4	104.60	105.70	1.10	Carbonaceous Clay	-	-	-		
VLR-4	105.70	106.00	0.30	Lignite	52.00	9.92	2620.80	S3	H2
VLR-4	106.00	106.40	0.40	Lignite	53.00	5.09	2674.00	S3	H2
VLR-4	106.40	106.70	0.30	Carbonaceous Clay	-	-	-		

VLR-4	106.70	107.50	0.80	Grey Clay	-	-	-		
VLR-4	107.50	108.60	1.10	Carbonaceous Clay	-	-	-		
VLR-4	108.60	112.00	3.40	Grey Clay	-	-	-		
VLR-4	112.00	112.50	0.50	Carbonaceous Clay	-	-	-		
VLR-4	112.50	113.00	0.50	Grey Clay	-	-	-		
VLR-4	113.00	113.80	0.80	Lignite	53.00	4.48	2679.00	Local Seam	Local Seam
VLR-4	113.80	114.00	0.20	Carbonaceous Clay	-	-	-		
VLR-4	114.00	120.80	6.80	Grey Clay	-	-	-		
VLR-4	120.80	121.00	0.20	Lignite	50.00	7.66	2588.87	S4	H3
VLR-4	121.00	122.00	1.00	Lignite	50.00	10.59	2461.84	S4	H3
VLR-4	122.00	122.20	0.20	Lignite	51.00	6.69	2762.44	S4	H3
VLR-4	122.20	123.00	0.80	Carbonaceous Clay	-	-	-		
VLR-4	123.00	124.00	1.00	Lignite	51.00	6.16	2748.12	S4	H3
VLR-4	124.00	125.00	1.00	Lignite	52.00	6.96	2532.16	S4	H3
VLR-4	125.00	126.00	1.00	Lignite	51.00	6.18	2767.36	S4	H3
VLR-4	126.00	126.60	0.60	Grey Clay	-	-	-		
VLR-4	126.60	127.50	0.90	Carbonaceous Clay	-	-	-		
VLR-4	127.50	128.00	0.50	Lignite	50.00	8.68	2723.32	S4	H3
VLR-4	128.00	129.00	1.00	Lignite	50.00	4.68	2952.55	S4	H3
VLR-4	129.00	130.00	1.00	Lignite	52.00	5.63	2865.31	S4	H3
VLR-4	130.00	131.00	1.00	Lignite	55.00	7.62	2563.77	S4	H3
VLR-4	131.00	131.80	0.80	Lignite	55.00	4.04	2723.84	S4	H3
VLR-4	131.80	132.00	0.20	Silt Stone	-	-	-		
VLR-4	132.00	132.60	0.60	Carbonaceous Clay	-	-	-		
VLR-4	132.60	133.00	0.40	Lignite	54.00	7.18	2673.36	S4	H3
VLR-4	133.00	135.00	2.00	Grey Clay	-	-	-		
VLR-4	135.00	137.00	2.00	Carbonaceous Clay	-	-	-		
VLR-4	137.00	150.00	13.00	Grey Clay	-	-	-		

R.L:- 48.0346

Co-ordinates:-

Northing:-20331.3475

Easting:-18426.3565

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-8	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-8	6.00	25.90	19.90	Variegated Clay	-	-	-		
VLR-8	25.90	26.00	0.10	Conglomerate	-	-	-		
VLR-8	26.00	54.00	28.00	Variegated Clay	-	-	-		
VLR-8	54.00	55.90	1.90	Grey Clay	-	-	-		
VLR-8	55.90	56.00	0.10	Clay Stone	-	-	-		
VLR-8	56.00	56.70	0.70	Grey Clay	-	-	-		
VLR-8	56.70	57.00	0.30	Carbonaceous Clay	-	-	-		
VLR-8	57.00	57.70	0.70	Grey Clay	-	-	-		
VLR-8	57.70	58.00	0.30	Carbonaceous Clay	-	-	-		
VLR-8	58.00	59.00	1.00	Lignite	49.00	5.64	2900.20	S1	H1
VLR-8	59.00	60.00	1.00	Lignite	50.00	6.04	2759.30	S1	H1
VLR-8	60.00	61.00	1.00	Lignite	50.00	5.99	2811.60	S1	H1
VLR-8	61.00	62.00	1.00	Lignite	51.00	6.71	2736.30	S1	H1
VLR-8	62.00	62.30	0.30	Lignite	55.00	9.43	2444.40	S1	H1
VLR-8	62.30	62.70	0.40	Carbonaceous Clay	-	-	-		
VLR-8	62.70	65.80	3.10	Grey Clay	-	-	-		
VLR-8	65.80	67.00	1.20	Lignite	56.00	11.16	2086.61	S1	H1
VLR-8	67.00	68.00	1.00	Lignite	55.00	3.77	2738.56	S1	H1
VLR-8	68.00	68.80	0.80	Lignite	55.00	5.71	2627.06	S1	H1
VLR-8	68.80	69.20	0.40	Grey Clay	-	-	-		
VLR-8	69.20	70.00	0.80	Lignite	54.00	6.54	2709.20	S1	H1
VLR-8	70.00	70.30	0.30	Lignite	52.00	6.08	2817.20	S1	H1
VLR-8	70.30	72.00	1.70	Carbonaceous Clay	-	-	-		
VLR-8	72.00	77.80	5.80	Grey Clay	-	-	-		
VLR-8	77.80	78.00	0.20	Clay Stone	-	-	-		
VLR-8	78.00	79.00	1.00	Grey Clay	-	-	-		
VLR-8	79.00	79.20	0.20	Clay Stone	-	-	-		
VLR-8	79.20	80.00	0.80	Grey Clay	-	-	-		
VLR-8	80.00	83.00	3.00	Fossileferous Grey Clay	-	-	-		
VLR-8	83.00	84.00	1.00	Lignite	52.00	8.13	2623.90	Local Seam	Local Seam
VLR-8	84.00	84.60	0.60	Lignite	50.00	8.29	2781.00	Local Seam	Local Seam
VLR-8	84.60	86.90	2.30	Grey Clay	-	-	-		
VLR-8	86.90	87.20	0.30	Clay Stone	-	-	-		
VLR-8	87.20	92.90	5.70	Grey Clay	-	-	-		
VLR-8	92.90	93.00	0.10	Clay Stone	-	-	-		
VLR-8	93.00	94.20	1.20	Grey Clay	-	-	-		

VLR-8	94.20	95.00	0.80	Lignite	50.00	5.59	2850.35	S2	H2
VLR-8	95.00	95.90	0.90	Grey Clay	-	-	-		
VLR-8	95.90	96.00	0.10	Clay Stone	-	-	-		
VLR-8	96.00	98.80	2.80	Grey Clay	-	-	-		
VLR-8	98.80	99.00	0.20	Clay Stone	-	-	-		
VLR-8	99.00	101.10	2.10	Carbonaceous Clay	-	-	-		
VLR-8	101.10	107.90	6.80	Grey Clay	-	-	-		
VLR-8	107.90	110.00	2.10	Carbonaceous Clay	-	-	-		
VLR-8	110.00	111.95	1.95	Grey Clay	-	-	-		
VLR-8	111.95	112.00	0.05	Clay Stone	-	-	-		
VLR-8	112.00	116.00	4.00	Fossileferous Grey Clay	-	-	-		
VLR-8	116.00	118.00	2.00	Grey Clay	-	-	-		
VLR-8	118.00	118.25	0.25	Carbonaceous Clay	-	-	-		
VLR-8	118.25	125.00	6.75	Grey Clay	-	-	-		
VLR-8	125.00	126.00	1.00	Carbonaceous Clay	-	-	-		
VLR-8	126.00	138.75	12.75	Grey Clay	-	-	-		
VLR-8	138.75	140.00	1.25	Lignite	52.00	7.03	2590.88	S4	H3
VLR-8	140.00	141.00	1.00	Lignite	52.00	6.39	2731.03	S4	H3
VLR-8	141.00	141.20	0.20	Lignite	54.00	11.36	2245.53	S4	H3
VLR-8	141.20	150.00	8.80	Grey Clay	-	-	-		

R.L:- 47.7189

Co-ordinates:-

Northing:-20271.6274

Easting:-18242.7856

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-12	0.00	2.30	2.30	Black Cotton Soil	-	-	-		
VLR-12	2.30	22.00	19.70	Variegated Clay	-	-	-		
VLR-12	22.00	22.20	0.20	Conglomerate	-	-	-		
VLR-12	22.20	47.60	25.40	Variegated Clay	-	-	-		
VLR-12	47.60	51.30	3.70	Grey Clay	-	-	-		
VLR-12	51.30	51.40	0.10	Clay Stone	-	-	-		
VLR-12	51.40	61.80	10.40	Grey Clay	-	-	-		
VLR-12	61.80	62.00	0.20	Carbonaceous Clay	-	-	-		
VLR-12	62.00	63.00	1.00	Lignite	52.00	10.84	2490.00	S1	H1
VLR-12	63.00	64.20	1.20	Lignite	52.00	4.92	2748.90	S1	H1
VLR-12	64.20	64.40	0.20	Carbonaceous Clay	-	-	-		
VLR-12	64.40	65.00	0.60	Lignite	51.00	6.86	2848.95	S1	H1
VLR-12	65.00	66.10	1.10	Lignite	51.00	7.35	2801.28	S1	H1
VLR-12	66.10	66.40	0.30	Carbonaceous Clay	-	-	-		
VLR-12	66.40	68.50	2.10	Grey Clay	-	-	-		
VLR-12	68.50	69.00	0.50	Carbonaceous Clay	-	-	-		
VLR-12	69.00	69.40	0.40	Lignite	50.00	9.79	2553.36	S1	H1
VLR-12	69.40	71.00	1.60	Grey Clay	-	-	-		
VLR-12	71.00	72.00	1.00	Lignite	51.00	7.32	2793.06	S1	H1
VLR-12	72.00	72.40	0.40	Lignite	50.00	8.93	2746.46	S1	H1
VLR-12	72.40	73.00	0.60	Carbonaceous Clay	-	-	-		
VLR-12	73.00	84.00	11.00	Grey Clay	-	-	-		
VLR-12	84.00	85.35	1.35	Fossileferous Grey Clay	-	-	-		
VLR-12	85.35	86.00	0.65	Lignite	48.00	10.15	2758.00	S2	H2
VLR-12	86.00	87.00	1.00	Lignite	50.00	7.08	2825.00	S2	H2
VLR-12	87.00	90.00	3.00	Grey Clay	-	-	-		
VLR-12	90.00	94.00	4.00	Fossileferous Grey Clay	-	-	-		
VLR-12	94.00	106.40	12.40	Grey Clay	-	-	-		
VLR-12	106.40	106.65	0.25	Carbonaceous Clay	-	-	-		
VLR-12	106.65	107.00	0.35	Lignite	50.00	5.70	2876.00	S3	H2
VLR-12	107.00	108.20	1.20	Carbonaceous Clay	-	-	-		
VLR-12	108.20	120.70	12.50	Grey Clay	-	-	-		
VLR-12	120.70	121.00	0.30	Lignite	49.00	4.82	3050.00	S4	H3
VLR-12	121.00	122.00	1.00	Lignite	52.00	8.75	2666.00	S4	H3
VLR-12	122.00	123.70	1.70	Grey Clay	-	-	-		
VLR-12	123.70	124.00	0.30	Lignite	51.00	11.98	2537.00	S4	H3
VLR-12	124.00	125.00	1.00	Lignite	50.00	10.84	2598.00	S4	H3
VLR-12	125.00	126.00	1.00	Lignite	52.00	6.38	2710.00	S4	H3
VLR-12	126.00	127.00	1.00	Lignite	50.00	6.01	2789.00	S4	H3
VLR-12	127.00	127.85	0.85	Lignite	51.00	5.36	2973.00	S4	H3
VLR-12	127.85	128.45	0.60	Grey Clay	-	-	-		
VLR-12	128.45	129.10	0.65	Carbonaceous Clay	-	-	-		
VLR-12	129.10	130.00	0.90	Lignite	52.00	5.37	2930.35	S4	H3
VLR-12	130.00	131.00	1.00	Lignite	52.00	5.24	2864.97	S4	H3
VLR-12	131.00	132.00	1.00	Lignite	51.00	9.83	2651.61	S4	H3

VLR-12	132.00	133.00	1.00	Lignite	50.00	5.87	2998.44	S4	H3
VLR-12	133.00	133.70	0.70	Lignite	49.00	7.71	2957.76	S4	H3
VLR-12	133.70	134.70	1.00	Carbonaceous Clay	-	-	-		
VLR-12	134.70	135.00	0.30	Lignite	52.20	4.70	2938.20	S4	H3
VLR-12	135.00	136.00	1.00	Lignite	52.00	8.01	2731.85	S4	H3
VLR-12	136.00	137.00	1.00	Lignite	51.00	7.41	2829.91	S4	H3
VLR-12	137.00	137.40	0.40	Lignite	50.00	9.40	2763.34	S4	H3
VLR-12	137.40	138.00	0.60	Carbonaceous Clay	-	-	-		
VLR-12	138.00	138.20	0.20	Lignite	-	-	-	S4	H3
VLR-12	138.20	138.60	0.40	Carbonaceous Clay	-	-	-		
VLR-12	138.60	139.00	0.40	Lignite	51.00	8.46	2683.34	S4	H3
VLR-12	139.00	150.00	11.00	Grey Clay	-	-	-		

R.L:-48.105

Co-ordinates:-

NORTHING:19479.5822

EASTING:18728.8162

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-14	0.00	2.00	2.00	Black Cotton Soil	-	-	-		
VLR-14	2.00	28.00	26.00	Variegated Clay	-	-	-		
VLR-14	28.00	29.00	1.00	Lignite	52.00	3.03	2905.00	S4	H3
VLR-14	29.00	30.00	1.00	Lignite	52.00	4.31	2813.00	S4	H3
VLR-14	30.00	31.00	1.00	Lignite	50.00	4.43	3013.00	S4	H3
VLR-14	31.00	32.00	1.00	Lignite	51.00	5.48	2835.00	S4	H3
VLR-14	32.00	33.00	1.00	Lignite	50.00	12.31	2371.00	S4	H3
VLR-14	33.00	37.00	4.00	Grey Clay	-	-	-		
VLR-14	37.00	37.50	0.50	Carbonaceous Clay	-	-	-		
VLR-14	37.50	38.00	0.50	Lignite	50.00	6.05	2844.00	S5	H3
VLR-14	38.00	39.00	1.00	Lignite	52.00	3.18	3059.66	S5	H3
VLR-14	39.00	40.00	1.00	Lignite	52.00	5.66	2831.88	S5	H3
VLR-14	40.00	41.10	1.10	Lignite	52.00	5.23	2754.00	S5	H3
VLR-14	41.10	41.50	0.40	Carbonaceous Clay	-	-	-		
VLR-14	41.50	42.20	0.70	Lignite	50.00	5.11	3015.86	S5	H3
VLR-14	42.20	43.30	1.10	Carbonaceous Clay	-	-	-		
VLR-14	43.30	44.10	0.80	Lignite	50.00	4.90	3028.55	S6	H3
VLR-14	44.10	45.30	1.20	Grey Clay	-	-	-		
VLR-14	45.30	45.70	0.40	Lignite	51.00	3.29	2995.71	Local Seam	Local Seam
VLR-14	45.70	51.00	5.30	Grey Clay	-	-	-		
VLR-14	51.00	52.00	1.00	Carbonaceous Clay	-	-	-		
VLR-14	52.00	54.30	2.30	Grey Clay	-	-	-		
VLR-14	54.30	55.00	0.70	Carbonaceous Clay	-	-	-		
VLR-14	55.00	57.00	2.00	Grey Clay	-	-	-		
VLR-14	57.00	57.20	0.20	Carbonaceous Clay	-	-	-		
VLR-14	57.20	147.00	89.80	Grey Clay	-	-	-		
VLR-14	147.00	150.00	3.00	Weathered Trap	-	-	-		

R.L:- 47.3305

Co-ordinates:-

Northing:-19799.7838

Easting:-18350.1176

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-15	0.00	2.00	2.00	Black Cotton Soil	-	-	-		
VLR-15	2.00	30.50	28.50	Variegated Clay	-	-	-		
VLR-15	30.50	35.60	5.10	Grey Clay	-	-	-		
VLR-15	35.60	36.00	0.40	Lignite	52.00	6.32	2627.70	Local Seam	Local Seam
VLR-15	36.00	37.00	1.00	Lignite	52.00	7.74	2730.30	S3	H2
VLR-15	37.00	38.00	1.00	Lignite	53.00	6.38	2629.10	S3	H2
VLR-15	38.00	39.00	1.00	Lignite	55.00	4.49	2648.90	S3	H2
VLR-15	39.00	40.00	1.00	Lignite	55.00	4.96	2613.50	S3	H2
VLR-15	40.00	40.25	0.25	Lignite	54.00	3.30	2821.20	S3	H2
VLR-15	40.25	40.30	0.05	Silt Stone	-	-	-		
VLR-15	40.30	42.00	1.70	Grey Clay	-	-	-		
VLR-15	42.00	43.50	1.50	Carbonaceous Clay	-	-	-		
VLR-15	43.50	44.00	0.50	Lignite	50.00	7.44	2740.60	S4	H3
VLR-15	44.00	45.00	1.00	Lignite	52.00	5.76	2869.97	S4	H3
VLR-15	45.00	46.00	1.00	Lignite	50.00	5.88	2916.53	S4	H3
VLR-15	46.00	47.10	1.10	Lignite	50.00	3.62	3060.77	S4	H3
VLR-15	47.10	47.65	0.55	Silt Stone	-	-	-		
VLR-15	47.65	48.50	0.85	Carbonaceous Clay	-	-	-		

VLR-15	48.50	49.00	0.50	Lignite	52.00	3.31	2929.49	S4	H3
VLR-15	49.00	49.70	0.70	Lignite	49.00	11.82	2413.59	S4	H3
VLR-15	49.70	50.00	0.30	Carbonaceous Clay	-	-	-		
VLR-15	50.00	56.50	6.50	Grey Clay	-	-	-		
VLR-15	56.50	57.00	0.50	Lignite	52.00	5.96	2738.60	S4	H3
VLR-15	57.00	57.75	0.75	Lignite	52.00	3.14	2823.40	S4	H3
VLR-15	57.75	58.30	0.55	Silt Stone	-	-	-		
VLR-15	58.30	59.00	0.70	Lignite	52.00	4.55	2629.20	S4	H3
VLR-15	59.00	60.00	1.00	Lignite	54.00	3.04	2448.30	S4	H3
VLR-15	60.00	61.00	1.00	Lignite	54.00	13.47	2777.54	S4	H3
VLR-15	61.00	65.75	4.75	Grey Clay	-	-	-		
VLR-15	65.75	66.00	0.25	Lignite	48.00	3.46	3128.30	S5	H3
VLR-15	66.00	66.60	0.60	Lignite	50.00	4.50	2747.37	S5	H3
VLR-15	66.60	67.30	0.70	Carbonaceous Clay	-	-	-		
VLR-15	67.30	68.00	0.70	Lignite	50.00	4.96	2736.65	S5	H3
VLR-15	68.00	69.00	1.00	Lignite	52.00	4.07	2857.50	S5	H3
VLR-15	69.00	70.00	1.00	Lignite	51.00	6.79	2909.50	S5	H3
VLR-15	70.00	71.00	1.00	Lignite	52.00	6.67	2794.80	S5	H3
VLR-15	71.00	72.40	1.40	Grey Clay	-	-	-		
VLR-15	72.40	73.00	0.60	Lignite	52.00	6.17	2790.90	Local Seam	Local Seam
VLR-15	73.00	73.25	0.25	Lignite	54.00	9.56	2538.50	S6	H3
VLR-15	73.25	115.00	41.75	Grey Clay	-	-	-		
VLR-15	115.00	150.00	35.00	Weathered Trap	-	-	-		

R.L:-45.383

Co-ordinates

NORTHING:20116.7749

EASTING:17963.4467

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-16	0.00	5.00	5.00	Black Cotton Soil	-	-	-		
VLR-16	5.00	17.00	12.00	Variegated Clay	-	-	-		
VLR-16	17.00	18.00	1.00	Conglomerate	-	-	-		
VLR-16	18.00	29.10	11.10	Variegated Clay	-	-	-		
VLR-16	29.10	34.80	5.70	Grey Clay	-	-	-		
VLR-16	34.80	35.10	0.30	Clay Stone	-	-	-		
VLR-16	35.10	59.80	24.70	Grey Clay	-	-	-		
VLR-16	59.80	60.10	0.30	Carbonaceous Clay	-	-	-		
VLR-16	60.10	61.00	0.90	Lignite	48.00	10.42	2595.00	S1	H1
VLR-16	61.00	62.00	1.00	Lignite	50.00	9.48	2532.00	S1	H1
VLR-16	62.00	63.00	1.00	Lignite	50.00	9.61	2773.00	S1	H1
VLR-16	63.00	64.00	1.00	Lignite	51.00	6.59	2749.00	S1	H1
VLR-16	64.00	65.00	1.00	Lignite	51.00	8.95	2614.00	S1	H1
VLR-16	65.00	66.20	1.20	Grey Clay	-	-	-		
VLR-16	66.20	67.00	0.80	Lignite	50.00	8.08	2731.00	S1	H1
VLR-16	67.00	67.30	0.30	Carbonaceous Clay	-	-	-		
VLR-16	67.30	68.00	0.70	Lignite	52.00	7.09	2695.00	S1	H1
VLR-16	68.00	69.00	1.00	Lignite	52.00	6.52	2584.00	S1	H1
VLR-16	69.00	70.00	1.00	Lignite	51.00	5.53	2733.00	S1	H1
VLR-16	70.00	70.20	0.20	Lignite	50.00	5.56	2786.00	S1	H1
VLR-16	70.20	72.00	1.80	Carbonaceous Clay	-	-	-		
VLR-16	72.00	90.80	18.80	Grey Clay	-	-	-		
VLR-16	90.80	91.10	0.30	Clay Stone	-	-	-		
VLR-16	91.10	93.20	2.10	Grey Clay	-	-	-		
VLR-16	93.20	94.00	0.80	Carbonaceous Clay	-	-	-		
VLR-16	94.00	97.80	3.80	Grey Clay	-	-	-		
VLR-16	97.80	98.00	0.20	Carbonaceous Clay	-	-	-		
VLR-16	98.00	101.00	3.00	Grey Clay	-	-	-		
VLR-16	101.00	102.00	1.00	Fossileferous Grey Clay	-	-	-		
VLR-16	102.00	103.00	1.00	Grey Clay	-	-	-		
VLR-16	103.00	105.80	2.80	Fossileferous Grey Clay	-	-	-		
VLR-16	105.80	106.00	0.20	Carbonaceous Clay	-	-	-		
VLR-16	106.00	107.00	1.00	Lignite	54.00	5.70	2581.00	S3	H2
VLR-16	107.00	108.10	1.10	Lignite	54.00	7.00	2494.00	S3	H2
VLR-16	108.10	111.00	2.90	Grey Clay	-	-	-		
VLR-16	111.00	113.50	2.50	Fossileferous Grey Clay	-	-	-		
VLR-16	113.50	114.30	0.80	Carbonaceous Clay	-	-	-		
VLR-16	114.30	117.00	2.70	Fossileferous Grey Clay	-	-	-		
VLR-16	117.00	130.80	13.80	Grey Clay	-	-	-		
VLR-16	130.80	132.00	1.20	Lignite	52.00	8.12	2628.00	S4	H3
VLR-16	132.00	133.00	1.00	Lignite	52.00	5.31	2690.00	S4	H3
VLR-16	133.00	134.00	1.00	Lignite	54.00	6.02	2548.00	S4	H3

VLR-16	134.00	142.30	8.30	Grey Clay	-	-	-		
VLR-16	142.30	142.40	0.10	Silt Stone	-	-	-		
VLR-16	142.40	143.00	0.60	Lignite	50.00	7.01	2611.00	S5	H3
VLR-16	143.00	144.00	1.00	Lignite	52.00	5.14	2608.00	S5	H3
VLR-16	144.00	145.00	1.00	Lignite	50.00	6.32	2874.00	S5	H3
VLR-16	145.00	146.10	1.10	Lignite	50.00	5.12	2903.30	S5	H3
VLR-16	146.10	175.00	28.90	Grey Clay	-	-	-		

R.L:- 47.4995

Co-ordinates:-

Northing:-19134.6514

Easting:-18766.6003

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-17	0.00	2.00	2.00	Black Cotton Soil	-	-	-		
VLR-17	2.00	61.00	59.00	Variegated Clay	-	-	-		
VLR-17	61.00	63.00	2.00	Weathered Trap	-	-	-		

R.L:-40.6943

Co-ordinates

NORTHING:19408.44

EASTING:18431.8067

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-18	0.00	1.00	1.00	Black Cotton Soil	-	-	-		
VLR-18	1.00	31.25	30.25	Variegated Clay	-	-	-		
VLR-18	31.25	31.50	0.25	Grey Clay	-	-	-		
VLR-18	31.50	33.00	1.50	Lignite	53.00	3.12	2789.00	S5	H3
VLR-18	33.00	34.00	1.00	Lignite	53.00	11.03	2315.00	S5	H3
VLR-18	34.00	35.00	1.00	Lignite	52.00	6.77	2695.00	S5	H3
VLR-18	35.00	36.00	1.00	Lignite	52.00	4.12	2983.40	S5	H3
VLR-18	36.00	36.30	0.30	Lignite	50.00	5.40	2847.00	S5	H3
VLR-18	36.30	40.20	3.90	Grey Clay	-	-	-		
VLR-18	40.20	41.40	1.20	Carbonaceous Clay	-	-	-		
VLR-18	41.40	42.20	0.80	Grey Clay	-	-	-		
VLR-18	42.20	44.00	1.80	Lignite	52.00	6.27	2699.00	S5	H3
VLR-18	44.00	45.00	1.00	Lignite	52.00	6.27	2699.00	S5	H3
VLR-18	45.00	46.00	1.00	Lignite	52.00	5.92	2696.00	S5	H3
VLR-18	46.00	46.30	0.30	Carbonaceous Clay	-	-	-		
VLR-18	46.30	54.00	7.70	Grey Clay	-	-	-		
VLR-18	54.00	57.00	3.00	Carbonaceous Clay	-	-	-		
VLR-18	57.00	146.00	89.00	Grey Clay	-	-	-		
VLR-18	146.00	150.00	4.00	Weathered Trap	-	-	-		

R.L:- 44.121

Co-ordinates:-

Northing:- 19417.692

Easting:- 18097.282

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-18A	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-18A	6.00	32.00	26.00	Variegated Clay	-	-	-		
VLR-18A	32.00	32.10	0.10	Carbonaceous Clay	-	-	-		
VLR-18A	32.10	33.00	0.90	Lignite	50.20	4.05	3161.10	S3	H2
VLR-18A	33.00	36.00	3.00	Grey Clay	-	-	-		
VLR-18A	36.00	36.50	0.50	Carbonaceous Clay	-	-	-		
VLR-18A	36.50	39.50	3.00	Grey Clay	-	-	-		
VLR-18A	39.50	40.00	0.50	Carbonaceous Clay	-	-	-		
VLR-18A	40.00	43.00	3.00	Grey Clay	-	-	-		
VLR-18A	43.00	43.30	0.30	Carbonaceous Clay	-	-	-		
VLR-18A	43.30	45.40	2.10	Grey Clay	-	-	-		
VLR-18A	45.40	45.60	0.20	Clay Stone	-	-	-		
VLR-18A	45.60	46.00	0.40	Grey Clay	-	-	-		
VLR-18A	46.00	46.10	0.10	Carbonaceous Clay	-	-	-		
VLR-18A	46.10	47.20	1.10	Lignite	50.00	3.75	3164.30	S4	H3
VLR-18A	47.20	47.30	0.10	Silt Stone	-	-	-		
VLR-18A	47.30	48.40	1.10	Lignite	50.40	4.11	3164.00	S4	H3
VLR-18A	48.40	50.70	2.30	Carbonaceous Clay	-	-	-		
VLR-18A	50.70	51.70	1.00	Lignite	50.40	4.01	2992.00	S4	H3
VLR-18A	51.70	52.70	1.00	Lignite	50.40	12.95	2474.20	S4	H3

VLR-18A	52.70	53.70	1.00	Lignite	50.60	11.08	2657.60	S4	H3
VLR-18A	53.70	54.70	1.00	Lignite	51.00	3.67	3148.60	S4	H3
VLR-18A	54.70	55.70	1.00	Lignite	50.80	5.42	2972.00	S4	H3
VLR-18A	55.70	56.50	0.80	Lignite	50.60	8.73	2608.00	S4	H3
VLR-18A	56.50	57.00	0.50	Carbonaceous Clay	-	-	-		
VLR-18A	57.00	59.40	2.40	Grey Clay	-	-	-		
VLR-18A	59.40	59.70	0.30	Lignite	50.80	19.92	1578.00	Local Seam	Local Seam
VLR-18A	59.70	61.10	1.40	Grey Clay	-	-	-		
VLR-18A	61.10	61.45	0.35	Lignite	51.00	3.43	2907.00	Local Seam	Local Seam
VLR-18A	61.45	64.45	3.00	Grey Clay	-	-	-		
VLR-18A	64.45	65.35	0.90	Lignite	50.60	18.49	1787.00	S5	H3
VLR-18A	65.35	65.60	0.25	Silt Stone	-	-	-		
VLR-18A	65.60	66.60	1.00	Lignite	50.80	27.29	1147.10	S5	H3
VLR-18A	66.60	67.60	1.00	Lignite	50.60	7.65	2872.30	S5	H3
VLR-18A	67.60	68.60	1.00	Lignite	51.80	13.44	2200.00	S5	H3
VLR-18A	68.60	69.75	1.15	Lignite	51.00	3.72	3117.20	S5	H3
VLR-18A	69.75	70.00	0.25	Carbonaceous Clay	-	-	-		
VLR-18A	70.00	73.70	3.70	Grey Clay	-	-	-		
VLR-18A	73.70	74.70	1.00	Lignite	50.80	6.10	2814.40	S5	H3
VLR-18A	74.70	75.70	1.00	Lignite	50.60	7.83	2696.00	S5	H3
VLR-18A	75.70	76.70	1.00	Lignite	50.60	6.86	2832.20	S5	H3
VLR-18A	76.70	77.00	0.30	Lignite	50.40	9.86	2740.20	S5	H3
VLR-18A	77.00	77.20	0.20	Carbonaceous Clay	-	-	-		
VLR-18A	77.20	78.20	1.00	Lignite	50.80	5.34	3193.70	S5	H3
VLR-18A	78.20	78.75	0.55	Lignite	51.40	4.30	3115.60	S5	H3
VLR-18A	78.75	90.80	12.05	Grey Clay	-	-	-		
VLR-18A	90.80	92.00	1.20	Carbonaceous Clay	-	-	-		
VLR-18A	92.00	121.00	29.00	Grey Clay	-	-	-		
VLR-18A	121.00	123.00	2.00	Carbonaceous Clay	-	-	-		
VLR-18A	123.00	150.00	27.00	Grey Clay	-	-	-		

R.L:-44.56

Co-ordinates:-

Northing:-19711.6114

Easting: 18061.996

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-19	0.00	4.00	4.00	Black Cotton Soil	-	-	-		
VLR-19	4.00	36.00	32.00	Variegated Clay	-	-	-		
VLR-19	36.00	38.40	2.40	Grey Clay	-	-	-		
VLR-19	38.40	39.00	0.60	Lignite	54.00	5.52	2510.67	S3	H2
VLR-19	39.00	40.40	1.40	Grey Clay	-	-	-		
VLR-19	40.40	41.00	0.60	Lignite	52.00	4.25	2946.70	S3	H2
VLR-19	41.00	42.00	1.00	Lignite	52.00	8.18	2610.59	S3	H2
VLR-19	42.00	42.30	0.30	Lignite	50.00	4.95	3118.24	S3	H2
VLR-19	42.30	44.20	1.90	Grey Clay	-	-	-		
VLR-19	44.20	44.50	0.30	Lignite	50.00	5.01	3024.22	Local Seam	Local Seam
VLR-19	44.50	52.10	7.60	Grey Clay	-	-	-		
VLR-19	52.10	53.00	0.90	Lignite	48.00	10.41	2740.00	S4	H3
VLR-19	53.00	54.00	1.00	Lignite	52.00	4.21	2762.00	S4	H3
VLR-19	54.00	54.50	0.50	Lignite	52.00	3.89	2813.00	S4	H3
VLR-19	54.50	54.75	0.25	Silt Stone	-	-	-		
VLR-19	54.75	55.00	0.25	Lignite	52.00	3.89	2813.00	S4	H3
VLR-19	55.00	56.00	1.00	Lignite	52.00	5.22	2678.00	S4	H3
VLR-19	56.00	57.00	1.00	Lignite	54.00	4.65	2587.00	S4	H3
VLR-19	57.00	57.50	0.50	Lignite	53.00	4.00	2701.00	S4	H3
VLR-19	57.50	58.00	0.50	Grey Clay	-	-	-		
VLR-19	58.00	59.00	1.00	Lignite	53.00	4.77	2738.22	S4	H3
VLR-19	59.00	59.50	0.50	Lignite	52.00	4.24	2793.25	S4	H3
VLR-19	59.50	59.60	0.10	Silt Stone	-	-	-		
VLR-19	59.60	60.00	0.40	Lignite	52.00	4.24	2793.25	S4	H3
VLR-19	60.00	61.00	1.00	Lignite	49.00	6.01	2887.54	S4	H3
VLR-19	61.00	62.00	1.00	Lignite	52.00	3.85	2812.77	S4	H3
VLR-19	62.00	62.10	0.10	Silt Stone	-	-	-		
VLR-19	62.10	63.20	1.10	Lignite	52.00	3.20	2830.60	S4	H3
VLR-19	63.20	65.00	1.80	Grey Clay	-	-	-		
VLR-19	65.00	66.00	1.00	Carbonaceous Clay	-	-	-		
VLR-19	66.00	76.00	10.00	Grey Clay	-	-	-		
VLR-19	76.00	77.00	1.00	Carbonaceous Clay	-	-	-		
VLR-19	77.00	78.00	1.00	Lignite	50.00	3.44	3117.26	S5	H3
VLR-19	78.00	79.00	1.00	Lignite	50.00	3.32	3175.87	S5	H3
VLR-19	79.00	80.20	1.20	Lignite	51.00	3.52	3050.25	S5	H3



VLR-19	80.20	81.00	0.80	Carbonaceous Clay	-	-	-		
VLR-19	81.00	83.20	2.20	Grey Clay	-	-	-		
VLR-19	83.20	84.00	0.80	Lignite	50.00	8.69	2735.01	S5	H3
VLR-19	84.00	85.00	1.00	Lignite	50.00	6.02	2899.11	S5	H3
VLR-19	85.00	85.30	0.30	Lignite	52.00	6.01	2733.90	S5	H3
VLR-19	85.30	86.00	0.70	Carbonaceous Clay	-	-	-		
VLR-19	86.00	86.30	0.30	Lignite	53.00	3.64	2805.50	S5	H3
VLR-19	86.30	86.40	0.10	Silt Stone	-	-	-		
VLR-19	86.40	87.00	0.60	Lignite	53.00	3.64	2805.50	S5	H3
VLR-19	87.00	88.00	1.00	Lignite	53.00	8.78	2580.50	S5	H3
VLR-19	88.00	89.00	1.00	Lignite	52.00	7.01	2526.20	S5	H3
VLR-19	89.00	89.60	0.60	Lignite	53.00	4.37	2667.70	S5	H3
VLR-19	89.60	98.00	8.40	Grey Clay	-	-	-		
VLR-19	98.00	99.00	1.00	Lignite	50.00	4.48	3070.60	S6	H3
VLR-19	99.00	101.00	2.00	Grey Clay	-	-	-		
VLR-19	101.00	103.00	2.00	Carbonaceous Clay	-	-	-		
VLR-19	103.00	150.00	47.00	Grey Clay	-	-	-		

R.L:- 44.56

Co-ordinates:-

Northing:- 19486.462

Easting:- 17562.541

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-19A	0.00	8.00	8.00	Black Cotton Soil	-	-	-		
VLR-19A	8.00	32.80	24.80	Variegated Clay	-	-	-		
VLR-19A	32.80	33.00	0.20	Grey Clay	-	-	-		
VLR-19A	33.00	34.60	1.60	Fossileferous Grey Clay	-	-	-		
VLR-19A	34.60	35.60	1.00	Lignite	50.00	5.44	2958.80	S2	H2
VLR-19A	35.60	36.60	1.00	Lignite	50.00	7.29	3003.80	S2	H2
VLR-19A	36.60	37.00	0.40	Lignite	50.20	4.28	3115.10	S2	H2
VLR-19A	37.00	41.00	4.00	Grey Clay	-	-	-		
VLR-19A	41.00	42.00	1.00	Fossileferous Grey Clay	-	-	-		
VLR-19A	42.00	45.00	3.00	Grey Clay	-	-	-		
VLR-19A	45.00	51.00	6.00	Fossileferous Grey Clay	-	-	-		
VLR-19A	51.00	52.00	1.00	Lignite	50.60	11.77	2602.30	S3	H2
VLR-19A	52.00	53.00	1.00	Grey Clay	-	-	-		
VLR-19A	53.00	55.40	2.40	Fossileferous Grey Clay	-	-	-		
VLR-19A	55.40	56.40	1.00	Lignite	50.80	8.55	2754.10	Local Seam	Local Seam
VLR-19A	56.40	57.30	0.90	Grey Clay	-	-	-		
VLR-19A	57.30	58.10	0.80	Lignite	50.60	7.98	2817.30	Local Seam	Local Seam
VLR-19A	58.10	61.40	3.30	Grey Clay	-	-	-		
VLR-19A	61.40	61.50	0.10	Carbonaceous Clay	-	-	-		
VLR-19A	61.50	63.00	1.50	Grey Clay	-	-	-		
VLR-19A	63.00	63.10	0.10	Carbonaceous Clay	-	-	-		
VLR-19A	63.10	64.10	1.00	Lignite	52.00	5.84	2780.10	S4	H3
VLR-19A	64.10	65.10	1.00	Lignite	52.20	3.41	2908.00	S4	H3
VLR-19A	65.10	66.00	0.90	Lignite	52.60	4.77	3018.90	S4	H3
VLR-19A	66.00	66.10	0.10	Carbonaceous Clay	-	-	-		
VLR-19A	66.10	66.40	0.30	Silt Stone	-	-	-		
VLR-19A	66.40	67.00	0.60	Silt Stone	-	-	-		
VLR-19A	67.00	68.00	1.00	Lignite	51.80	6.06	2798.00	S4	H3
VLR-19A	68.00	69.00	1.00	Lignite	51.40	21.08	2210.60	S4	H3
VLR-19A	69.00	69.40	0.40	Lignite	50.60	10.94	2712.50	S4	H3
VLR-19A	69.40	70.90	1.50	Carbonaceous Clay	-	-	-		
VLR-19A	70.90	71.90	1.00	Lignite	51.00	4.59	2936.40	S4	H3
VLR-19A	71.90	72.90	1.00	Lignite	50.60	7.03	2860.00	S4	H3
VLR-19A	72.90	74.10	1.20	Lignite	51.20	8.62	2833.00	S4	H3
VLR-19A	74.10	74.20	0.10	Silt Stone	-	-	-		
VLR-19A	74.20	75.20	1.00	Lignite	51.00	6.39	2626.90	S4	H3
VLR-19A	75.20	75.75	0.55	Lignite	50.80	3.78	2984.80	S4	H3
VLR-19A	75.75	78.60	2.85	Grey Clay	-	-	-		
VLR-19A	78.60	79.60	1.00	Lignite	52.00	6.22	2583.00	Local Seam	Local Seam
VLR-19A	79.60	80.00	0.40	Lignite	51.40	13.24	2285.30	Local Seam	Local Seam
VLR-19A	80.00	83.00	3.00	Grey Clay	-	-	-		
VLR-19A	83.00	83.20	0.20	Clay Stone	-	-	-		
VLR-19A	83.20	84.00	0.80	Grey Clay	-	-	-		
VLR-19A	84.00	86.70	2.70	Grey Clay	-	-	-		
VLR-19A	86.70	87.20	0.50	Silt Stone	-	-	-		
VLR-19A	87.20	88.20	1.00	Lignite	51.20	4.14	2764.50	S5	H3
VLR-19A	88.20	89.20	1.00	Lignite	51.00	6.19	2703.60	S5	H3
VLR-19A	89.20	90.20	1.00	Lignite	51.40	5.60	2590.90	S5	H3

VLR-19A	90.20	90.60	0.40	Lignite	51.60	3.40	2889.80	S5	H3
VLR-19A	90.60	90.90	0.30	Carbonaceous Clay	-	-	-		
VLR-19A	90.90	91.10	0.20	Lignite	-	-	-	S5	H3
VLR-19A	91.10	93.50	2.40	Grey Clay	-	-	-		
VLR-19A	93.50	94.00	0.50	Carbonaceous Clay	-	-	-		
VLR-19A	94.00	95.00	1.00	Lignite	51.00	7.75	3839.90	S5	H3
VLR-19A	95.00	95.40	0.40	Lignite	51.60	4.43	2732.80	S5	H3
VLR-19A	95.40	96.90	1.50	Carbonaceous Clay	-	-	-		
VLR-19A	96.90	97.60	0.70	Lignite	52.00	5.36	2753.40	S5	H3
VLR-19A	97.60	97.70	0.10	Silt Stone	-	-	-		
VLR-19A	97.70	98.70	1.00	Lignite	51.80	7.76	2599.80	S5	H3
VLR-19A	98.70	99.70	1.00	Lignite	51.40	21.68	1492.40	S5	H3
VLR-19A	99.70	100.70	1.00	Lignite	52.00	3.39	2748.00	S5	H3
VLR-19A	100.70	150.00	49.30	Grey Clay	-	-	-		

R.L:- 42.465

Co-ordinates:-

Northing:- 19586.71

Easting:- 17885.393

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-19B	0.00	2.90	2.90	Black Cotton Soil	-	-	-		
VLR-19B	2.90	43.80	40.90	Variegated Clay	-	-	-		
VLR-19B	43.80	47.00	3.20	Grey Clay	-	-	-		
VLR-19B	47.00	51.00	4.00	Fossileferous Grey Clay	-	-	-		
VLR-19B	51.00	51.80	0.80	Grey Clay	-	-	-		
VLR-19B	51.80	51.90	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19B	51.90	55.00	3.10	Grey Clay	-	-	-		
VLR-19B	55.00	57.10	2.10	Fossileferous Grey Clay	-	-	-		
VLR-19B	57.10	57.50	0.40	Lignite	49.80	4.08	3103.40	S3	H2
VLR-19B	57.50	58.50	1.00	Grey Clay	-	-	-		
VLR-19B	58.50	59.00	0.50	Carbonaceous Clay	-	-	-		
VLR-19B	59.00	59.80	0.80	Grey Clay	-	-	-		
VLR-19B	59.80	60.00	0.20	Lignite	-	-	-	Local Seam	Local Seam
VLR-19B	60.00	60.30	0.30	Grey Clay	-	-	-		
VLR-19B	60.30	60.40	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19B	60.40	61.80	1.40	Grey Clay	-	-	-		
VLR-19B	61.80	61.90	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19B	61.90	64.90	3.00	Grey Clay	-	-	-		
VLR-19B	64.90	65.10	0.20	Clay Stone	-	-	-		
VLR-19B	65.10	65.30	0.20	Grey Clay	-	-	-		
VLR-19B	65.30	66.30	1.00	Lignite	49.80	6.92	2798.00	S4	H3
VLR-19B	66.30	67.30	1.00	Lignite	50.00	9.82	2833.20	S4	H3
VLR-19B	67.30	68.30	1.00	Lignite	50.20	3.98	3093.10	S4	H3
VLR-19B	68.30	69.30	1.00	Lignite	50.40	5.14	2882.10	S4	H3
VLR-19B	69.30	70.30	1.00	Lignite	50.40	3.99	3107.40	S4	H3
VLR-19B	70.30	71.00	0.70	Lignite	50.60	3.12	3079.10	S4	H3
VLR-19B	71.00	72.40	1.40	Carbonaceous Clay	-	-	-		
VLR-19B	72.40	73.40	1.00	Lignite	50.80	6.28	2823.70	S4	H3
VLR-19B	73.40	74.40	1.00	Lignite	51.00	7.94	2595.40	S4	H3
VLR-19B	74.40	75.10	0.70	Lignite	51.20	6.19	2643.80	S4	H3
VLR-19B	75.10	75.20	0.10	Clay Stone	-	-	-		
VLR-19B	75.20	77.50	2.30	Carbonaceous Clay	-	-	-		
VLR-19B	77.50	78.30	0.80	Lignite	51.40	5.59	2779.80	S4	H3
VLR-19B	78.30	82.40	4.10	Grey Clay	-	-	-		
VLR-19B	82.40	82.50	0.10	Carbonaceous Clay	-	-	-		
VLR-19B	82.50	83.90	1.40	Grey Clay	-	-	-		
VLR-19B	83.90	84.90	1.00	Lignite	51.40	3.31	2862.00	S5	H3
VLR-19B	84.90	86.00	1.10	Lignite	51.20	4.53	3049.30	S5	H3
VLR-19B	86.00	86.10	0.10	Silt Stone	-	-	-		
VLR-19B	86.10	86.20	0.10	Grey Clay	-	-	-		
VLR-19B	86.20	87.20	1.00	Lignite	51.40	3.90	2914.70	S5	H3
VLR-19B	87.20	88.20	1.00	Lignite	51.80	7.13	2732.80	S5	H3
VLR-19B	88.20	89.00	0.80	Lignite	51.60	8.09	2750.50	S5	H3
VLR-19B	89.00	89.25	0.25	Carbonaceous Clay	-	-	-		
VLR-19B	89.25	89.50	0.25	Lignite	52.00	5.60	2814.80	S5	H3
VLR-19B	89.50	92.90	3.40	Grey Clay	-	-	-		
VLR-19B	92.90	93.90	1.00	Lignite	51.80	4.55	3108.00	S5	H3
VLR-19B	93.90	94.40	0.50	Lignite	51.40	5.69	2934.40	S5	H3
VLR-19B	94.40	94.85	0.45	Grey Clay	-	-	-		
VLR-19B	94.85	95.40	0.55	Lignite	51.20	12.51	2325.40	S5	H3
VLR-19B	95.40	95.50	0.10	Grey Clay	-	-	-		

VLR-19B	95.50	96.50	1.00	Lignite	51.60	3.13	2881.70	S5	H3
VLR-19B	96.50	97.10	0.60	Grey Clay	-	-	-		
VLR-19B	97.10	97.60	0.50	Lignite	51.20	14.33	2117.10	S5	H3
VLR-19B	97.60	106.10	8.50	Grey Clay	-	-	-		
VLR-19B	106.10	110.00	3.90	Carbonaceous Clay	-	-	-		
VLR-19B	110.00	150.00	40.00	Grey Clay	-	-	-		

R.L:- 74.75

Co-ordinates:-

Northing:- 19204.518

Easting:- 17825.483

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-19C	0.00	29.80	29.80	SLUDGE	-	-	-		
VLR-19C	29.80	37.00	7.20	Black Cotton Soil	-	-	-		
VLR-19C	37.00	50.80	13.80	Variegated Clay	-	-	-		
VLR-19C	50.80	51.00	0.20	Conglomerate	-	-	-		
VLR-19C	51.00	58.00	7.00	Variegated Clay	-	-	-		
VLR-19C	58.00	61.30	3.30	Grey Clay	-	-	-		
VLR-19C	61.30	62.00	0.70	Lignite	51.20	4.97	2982.00	S3	H2
VLR-19C	62.00	62.20	0.20	Carbonaceous Clay	-	-	-		
VLR-19C	62.20	62.30	0.10	Lignite	-	-	-	S3	H2
VLR-19C	62.30	71.20	8.90	Grey Clay	-	-	-		
VLR-19C	71.20	72.20	1.00	Lignite	52.00	6.11	2773.00	S4	H3
VLR-19C	72.20	73.20	1.00	Lignite	52.60	5.06	2728.00	S4	H3
VLR-19C	73.20	73.85	0.65	Lignite	52.40	2.94	3381.00	S4	H3
VLR-19C	73.85	74.00	0.15	Silt Stone	-	-	-		
VLR-19C	74.00	75.00	1.00	Lignite	51.80	11.64	2377.00	S4	H3
VLR-19C	75.00	76.00	1.00	Lignite	51.60	5.35	2997.30	S4	H3
VLR-19C	76.00	76.70	0.70	Lignite	51.60	18.06	1930.00	S4	H3
VLR-19C	76.70	78.00	1.30	Carbonaceous Clay	-	-	-		
VLR-19C	78.00	79.00	1.00	Lignite	52.00	4.34	2800.00	S4	H3
VLR-19C	79.00	79.60	0.60	Lignite	51.80	7.70	2623.00	S4	H3
VLR-19C	79.60	79.80	0.20	Carbonaceous Clay	-	-	-		
VLR-19C	79.80	80.80	1.00	Lignite	51.60	10.07	2643.10	S4	H3
VLR-19C	80.80	81.80	1.00	Lignite	51.80	4.53	2900.00	S4	H3
VLR-19C	81.80	82.80	1.00	Lignite	51.40	6.15	2765.20	S4	H3
VLR-19C	82.80	84.00	1.20	Lignite	52.00	5.85	2757.70	S4	H3
VLR-19C	84.00	86.50	2.50	Grey Clay	-	-	-		
VLR-19C	86.50	87.50	1.00	Lignite	51.80	4.42	3044.20	Local Seam	Local Seam
VLR-19C	87.50	89.50	2.00	Grey Clay	-	-	-		
VLR-19C	89.50	89.60	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19C	89.60	96.00	6.40	Grey Clay	-	-	-		
VLR-19C	96.00	96.10	0.10	Silt Stone	-	-	-		
VLR-19C	96.10	97.10	1.00	Lignite	52.00	5.91	2999.60	S5	H3
VLR-19C	97.10	97.55	0.45	Lignite	52.20	7.63	2605.80	S5	H3
VLR-19C	97.55	99.10	1.55	Grey Clay	-	-	-		
VLR-19C	99.10	99.50	0.40	Lignite	52.40	6.03	2604.00	S5	H3
VLR-19C	99.50	103.10	3.60	Grey Clay	-	-	-		
VLR-19C	103.10	103.60	0.50	Lignite	52.20	7.29	2804.00	S5	H3
VLR-19C	103.60	103.70	0.10	Carbonaceous Clay	-	-	-		
VLR-19C	103.70	104.25	0.55	Lignite	52.40	6.39	2876.00	S5	H3
VLR-19C	104.25	105.00	0.75	Carbonaceous Clay	-	-	-		
VLR-19C	105.00	105.70	0.70	Lignite	52.00	3.40	3023.80	S5	H3
VLR-19C	105.70	105.80	0.10	Carbonaceous Clay	-	-	-		
VLR-19C	105.80	106.80	1.00	Lignite	51.80	7.27	2689.00	S5	H3
VLR-19C	106.80	107.60	0.80	Lignite	51.60	5.15	2938.70	S5	H3
VLR-19C	107.60	117.30	9.70	Grey Clay	-	-	-		
VLR-19C	117.30	117.75	0.45	Lignite	51.40	6.28	2687.00	S6	H3
VLR-19C	117.75	123.40	5.65	Grey Clay	-	-	-		
VLR-19C	123.40	123.50	0.10	Carbonaceous Clay	-	-	-		
VLR-19C	123.50	132.00	8.50	Grey Clay	-	-	-		
VLR-19C	132.00	132.30	0.30	Carbonaceous Clay	-	-	-		
VLR-19C	132.30	180.00	47.70	Grey Clay	-	-	-		

R.L:- 63.512

Co-ordinates:-

Northing:- 19006.12

Easting:- 18058.325

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
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VLR-19D	0.00	18.00	18.00	SLUDGE	-	-	-		
VLR-19D	18.00	25.00	7.00	Black Cotton Soil	-	-	-		
VLR-19D	25.00	40.25	15.25	Variegated Clay	-	-	-		
VLR-19D	40.25	40.30	0.05	Clay Stone	-	-	-		
VLR-19D	40.30	45.70	5.40	Variegated Clay	-	-	-		
VLR-19D	45.70	45.90	0.20	SST	-	-	-		
VLR-19D	45.90	46.90	1.00	Variegated Clay	-	-	-		
VLR-19D	46.90	47.00	0.10	SST	-	-	-		
VLR-19D	47.00	49.00	2.00	Variegated Clay	-	-	-		
VLR-19D	49.00	51.80	2.80	Grey Clay	-	-	-		
VLR-19D	51.80	51.90	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19D	51.90	52.90	1.00	Grey Clay	-	-	-		
VLR-19D	52.90	53.00	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19D	53.00	53.10	0.10	Carbonaceous Clay	-	-	-		
VLR-19D	53.10	53.20	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-19D	53.20	57.70	4.50	Grey Clay	-	-	-		
VLR-19D	57.70	58.00	0.30	Silt Stone	-	-	-		
VLR-19D	58.00	59.00	1.00	Lignite	51.00	6.84	2825.20	S5	H3
VLR-19D	59.00	60.00	1.00	Lignite	51.20	7.30	2792.40	S5	H3
VLR-19D	60.00	60.20	0.20	Carbonaceous Clay	-	-	-		
VLR-19D	60.20	60.30	0.10	Lignite	-	-	-	S5	H3
VLR-19D	60.30	60.40	0.10	Carbonaceous Clay	-	-	-		
VLR-19D	60.40	60.50	0.10	Lignite	-	-	-	S5	H3
VLR-19D	60.50	60.80	0.30	Carbonaceous Clay	-	-	-		
VLR-19D	60.80	61.30	0.50	Lignite	51.20	9.88	2734.40	S5	H3
VLR-19D	61.30	66.70	5.40	Grey Clay	-	-	-		
VLR-19D	66.70	67.00	0.30	Lignite	51.60	6.95	2886.60	S5	H3
VLR-19D	67.00	67.30	0.30	Carbonaceous Clay	-	-	-		
VLR-19D	67.30	67.70	0.40	Lignite	52.40	8.91	2727.30	S5	H3
VLR-19D	67.70	68.25	0.55	Carbonaceous Clay	-	-	-		
VLR-19D	68.25	69.25	1.00	Lignite	52.20	8.32	2779.00	S5	H3
VLR-19D	69.25	69.80	0.55	Lignite	52.40	8.37	2774.80	S5	H3
VLR-19D	69.80	70.00	0.20	Carbonaceous Clay	-	-	-		
VLR-19D	70.00	70.45	0.45	Lignite	52.20	8.20	2822.70	S5	H3
VLR-19D	70.45	70.70	0.25	Carbonaceous Clay	-	-	-		
VLR-19D	70.70	71.70	1.00	Lignite	52.40	7.64	2765.20	S5	H3
VLR-19D	71.70	72.00	0.30	Lignite	52.20	6.60	2800.30	S5	H3
VLR-19D	72.00	72.20	0.20	Carbonaceous Clay	-	-	-		
VLR-19D	72.20	73.00	0.80	Grey Clay	-	-	-		
VLR-19D	73.00	73.45	0.45	Lignite	52.40	6.47	2786.00	S5	H3
VLR-19D	73.45	81.20	7.75	Grey Clay	-	-	-		
VLR-19D	81.20	81.70	0.50	Lignite	52.80	9.23	2665.00	S6	H3
VLR-19D	81.70	84.70	3.00	Grey Clay	-	-	-		
VLR-19D	84.70	85.40	0.70	Lignite	52.60	9.31	2695.60	Local Seam	Local Seam
VLR-19D	85.40	129.00	43.60	Grey Clay	-	-	-		
VLR-19D	129.00	142.00	13.00	Weathered Trap	-	-	-		

R.L:-45.155

Co-ordinates:-

Northing:-19911.0736

Easting:-17836.6557

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-20	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-20	6.00	21.80	15.80	Variegated Clay	-	-	-		
VLR-20	21.80	22.00	0.20	Conglomerate	-	-	-		
VLR-20	22.00	32.50	10.50	Variegated Clay	-	-	-		
VLR-20	32.50	37.00	4.50	Grey Clay	-	-	-		
VLR-20	37.00	38.50	1.50	Fossileferous Grey Clay	-	-	-		
VLR-20	38.50	38.60	0.10	Carbonaceous Clay	-	-	-		
VLR-20	38.60	39.00	0.40	Lignite	48.00	6.49	2926.03	S1	H1
VLR-20	39.00	40.00	1.00	Lignite	50.00	5.73	2768.70	S1	H1
VLR-20	40.00	41.00	1.00	Lignite	50.00	5.75	2832.29	S1	H1
VLR-20	41.00	42.00	1.00	Lignite	50.00	5.63	2828.27	S1	H1
VLR-20	42.00	43.00	1.00	Grey Clay	-	-	-		
VLR-20	43.00	52.00	9.00	Fossileferous Grey Clay	-	-	-		
VLR-20	52.00	52.30	0.30	Grey Clay	-	-	-		
VLR-20	52.30	53.00	0.70	Lignite	53.00	5.91	2607.30	S2	H2
VLR-20	53.00	53.10	0.10	Lignite	52.00	5.70	2644.16	S2	H2
VLR-20	53.10	57.00	3.90	Grey Clay	-	-	-		
VLR-20	57.00	59.40	2.40	Fossileferous Grey Clay	-	-	-		
VLR-20	59.40	60.00	0.60	Lignite	52.00	7.74	2552.04	S3	H2

VLR-20	60.00	61.00	1.00	Lignite	53.00	6.86	2653.80	S3	H2
VLR-20	61.00	61.60	0.60	Lignite	53.00	6.55	2668.93	S3	H2
VLR-20	61.60	64.30	2.70	Grey Clay	-	-	-		
VLR-20	64.30	65.00	0.70	Lignite	52.00	6.68	2722.01	S3	H2
VLR-20	65.00	66.00	1.00	Lignite	52.00	7.12	2709.29	S3	H2
VLR-20	66.00	67.00	1.00	Grey Clay	-	-	-		
VLR-20	67.00	68.00	1.00	Lignite	54.00	6.95	2631.57	S4	H3
VLR-20	68.00	69.00	1.00	Lignite	54.00	6.42	2666.55	S4	H3
VLR-20	69.00	70.00	1.00	Lignite	55.00	6.16	2593.00	S4	H3
VLR-20	70.00	70.60	0.60	Silt Stone	-	-	-		
VLR-20	70.60	71.00	0.40	Lignite	52.00	5.95	2711.00	S4	H3
VLR-20	71.00	72.00	1.00	Lignite	52.00	6.34	2779.05	S4	H3
VLR-20	72.00	73.00	1.00	Lignite	54.00	10.36	2371.13	S4	H3
VLR-20	73.00	74.00	1.00	Lignite	54.00	6.38	2681.11	S4	H3
VLR-20	74.00	75.00	1.00	Lignite	52.00	7.18	2691.56	S4	H3
VLR-20	75.00	76.00	1.00	Lignite	52.00	6.96	2696.26	S4	H3
VLR-20	76.00	77.00	1.00	Lignite	52.00	5.74	2628.66	S4	H3
VLR-20	77.00	78.00	1.00	Lignite	50.00	6.18	2704.30	S4	H3
VLR-20	78.00	79.00	1.00	Lignite	51.00	7.00	2567.76	S4	H3
VLR-20	79.00	80.00	1.00	Lignite	51.00	7.71	2684.00	S4	H3
VLR-20	80.00	81.00	1.00	Lignite	53.00	8.03	2535.00	S4	H3
VLR-20	81.00	82.00	1.00	Lignite	54.00	7.58	2429.96	S4	H3
VLR-20	82.00	83.00	1.00	Lignite	54.00	6.82	2644.45	S4	H3
VLR-20	83.00	84.00	1.00	Lignite	52.00	7.69	2705.72	S4	H3
VLR-20	84.00	85.00	1.00	Lignite	50.00	7.04	2878.78	S4	H3
VLR-20	85.00	86.50	1.50	Grey Clay	-	-	-		
VLR-20	86.50	87.00	0.50	Lignite	53.00	8.79	2542.10	Local Seam	Local Seam
VLR-20	87.00	88.00	1.00	Lignite	53.00	8.59	2622.80	Local Seam	Local Seam
VLR-20	88.00	90.40	2.40	Grey Clay	-	-	-		
VLR-20	90.40	91.00	0.60	Lignite	50.00	9.53	2670.39	Local Seam	Local Seam
VLR-20	91.00	93.30	2.30	Grey Clay	-	-	-		
VLR-20	93.30	94.00	0.70	Lignite	48.00	11.81	2663.97	Local Seam	Local Seam
VLR-20	94.00	95.20	1.20	Grey Clay	-	-	-		
VLR-20	95.20	95.50	0.30	Lignite	50.00	8.89	2799.35	S5	H3
VLR-20	95.50	95.60	0.10	Silt Stone	-	-	-		
VLR-20	95.60	96.00	0.40	Lignite	50.00	8.89	2799.35	S5	H3
VLR-20	96.00	97.00	1.00	Lignite	52.00	9.45	2553.07	S5	H3
VLR-20	97.00	98.00	1.00	Lignite	52.00	8.14	2818.92	S5	H3
VLR-20	98.00	99.00	1.00	Lignite	50.00	6.92	2955.20	S5	H3
VLR-20	99.00	100.00	1.00	Lignite	51.00	7.36	2698.16	S5	H3
VLR-20	100.00	101.00	1.00	Lignite	51.00	9.20	2647.21	S5	H3
VLR-20	101.00	101.50	0.50	Carbonaceous Clay	-	-	-		
VLR-20	101.50	102.00	0.50	Lignite	53.00	6.13	2742.35	S5	H3
VLR-20	102.00	103.00	1.00	Lignite	53.00	8.64	2578.90	S5	H3
VLR-20	103.00	104.00	1.00	Lignite	53.00	7.90	2669.42	S5	H3
VLR-20	104.00	104.30	0.30	Lignite	50.00	8.82	2735.26	S5	H3
VLR-20	104.30	105.10	0.80	Grey Clay	-	-	-		
VLR-20	105.10	106.00	0.90	Lignite	50.00	8.36	2791.22	S5	H3
VLR-20	106.00	107.00	1.00	Lignite	50.00	10.55	2646.16	S5	H3
VLR-20	107.00	108.00	1.00	Lignite	53.00	8.23	2547.85	S5	H3
VLR-20	108.00	109.00	1.00	Lignite	53.00	6.81	2633.34	S5	H3
VLR-20	109.00	110.00	1.00	Lignite	52.00	7.44	2712.24	S5	H3
VLR-20	110.00	120.50	10.50	Grey Clay	-	-	-		
VLR-20	120.50	121.00	0.50	Lignite	49.00	10.46	2645.33	S6	H3
VLR-20	121.00	122.00	1.00	Lignite	50.00	10.61	2545.85	S6	H3
VLR-20	122.00	123.00	1.00	Lignite	50.00	11.04	2564.92	S6	H3
VLR-20	123.00	150.00	27.00	Grey Clay	-	-	-		

R.L:- 45.543

Co-ordinates:-

Northing:- 19670.629

Easting:- 17371.35

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-20A	0.00	6.50	6.50	Black Cotton Soil	-	-	-		
VLR-20A	6.50	24.40	17.90	Variegated Clay	-	-	-		
VLR-20A	24.40	24.70	0.30	Conglomerate	-	-	-		
VLR-20A	24.70	28.20	3.50	Variegated Clay	-	-	-		
VLR-20A	28.20	28.40	0.20	Conglomerate	-	-	-		
VLR-20A	28.40	36.30	7.90	Variegated Clay	-	-	-		
VLR-20A	36.30	36.40	0.10	Conglomerate	-	-	-		
VLR-20A	36.40	37.75	1.35	Variegated Clay	-	-	-		

VLR-20A	37.75	41.40	3.65	Grey Clay	-	-	-		
VLR-20A	41.40	41.55	0.15	Clay Stone	-	-	-		
VLR-20A	41.55	42.65	1.10	Lignite	49.60	6.20	2555.90	S2	H2
VLR-20A	42.65	57.00	14.35	Grey Clay	-	-	-		
VLR-20A	57.00	58.00	1.00	Grey Clay	-	-	-		
VLR-20A	58.00	59.40	1.40	Grey Clay	-	-	-		
VLR-20A	59.40	60.10	0.70	Lignite	49.80	7.18	2643.80	S3	H2
VLR-20A	60.10	61.00	0.90	Carbonaceous Clay	-	-	-		
VLR-20A	61.00	66.45	5.45	Grey Clay	-	-	-		
VLR-20A	66.45	67.25	0.80	Lignite	49.60	5.78	2879.60	Local Seam	Local Seam
VLR-20A	67.25	68.25	1.00	Grey Clay	-	-	-		
VLR-20A	68.25	69.25	1.00	Lignite	49.20	14.18	2282.20	Local Seam	Local Seam
VLR-20A	69.25	69.90	0.65	Lignite	49.40	9.54	2882.50	Local Seam	Local Seam
VLR-20A	69.90	70.35	0.45	Carbonaceous Clay	-	-	-		
VLR-20A	70.35	70.75	0.40	Lignite	50.00	4.03	3286.50	Local Seam	Local Seam
VLR-20A	70.75	74.40	3.65	Grey Clay	-	-	-		
VLR-20A	74.40	75.40	1.00	Lignite	50.20	4.32	3254.80	S4	H3
VLR-20A	75.40	76.40	1.00	Lignite	50.80	2.98	2956.00	S4	H3
VLR-20A	76.40	77.10	0.70	Lignite	51.00	3.18	2928.00	S4	H3
VLR-20A	77.10	78.05	0.95	Grey Clay	-	-	-		
VLR-20A	78.05	78.50	0.45	Lignite	51.60	6.38	2745.00	S4	H3
VLR-20A	78.50	78.85	0.35	Silt Stone	-	-	-		
VLR-20A	78.85	79.30	0.45	Lignite	51.40	6.00	2791.40	S4	H3
VLR-20A	79.30	79.55	0.25	Silt Stone	-	-	-		
VLR-20A	79.55	79.63	0.08	Lignite	-	-	-	S4	H3
VLR-20A	79.63	79.75	0.12	Silt Stone	-	-	-		
VLR-20A	79.75	80.75	1.00	Lignite	51.40	3.96	3075.50	S4	H3
VLR-20A	80.75	81.20	0.45	Lignite	51.60	4.27	3059.60	S4	H3
VLR-20A	81.20	81.90	0.70	Carbonaceous Clay	-	-	-		
VLR-20A	81.90	82.00	0.10	Lignite	-	-	-	S4	H3
VLR-20A	82.00	82.55	0.55	Carbonaceous Clay	-	-	-		
VLR-20A	82.55	83.00	0.45	Lignite	51.80	3.16	2816.00	S4	H3
VLR-20A	83.00	83.35	0.35	Carbonaceous Clay	-	-	-		
VLR-20A	83.35	84.50	1.15	Lignite	52.00	3.04	2840.00	S4	H3
VLR-20A	84.50	84.70	0.20	Silt Stone	-	-	-		
VLR-20A	84.70	85.70	1.00	Lignite	51.00	5.79	2857.00	S4	H3
VLR-20A	85.70	86.70	1.00	Lignite	50.80	9.39	2736.00	S4	H3
VLR-20A	86.70	87.00	0.30	Carbonaceous Clay	-	-	-		
VLR-20A	87.00	87.20	0.20	Lignite	-	-	-	S4	H3
VLR-20A	87.20	93.25	6.05	Grey Clay	-	-	-		
VLR-20A	93.25	94.50	1.25	Lignite	52.00	9.21	2503.40	Local Seam	Local Seam
VLR-20A	94.50	102.20	7.70	Grey Clay	-	-	-		
VLR-20A	102.20	103.00	0.80	Lignite	51.80	7.78	2684.60	S5	H3
VLR-20A	103.00	103.20	0.20	Silt Stone	-	-	-		
VLR-20A	103.20	104.00	0.80	Lignite	51.60	8.49	2812.60	S5	H3
VLR-20A	104.00	104.20	0.20	Carbonaceous Clay	-	-	-		
VLR-20A	104.20	105.35	1.15	Lignite	52.00	4.33	3025.40	S5	H3
VLR-20A	105.35	106.10	0.75	Grey Clay	-	-	-		
VLR-20A	106.10	107.10	1.00	Lignite	52.20	7.98	2790.50	S5	H3
VLR-20A	107.10	108.00	0.90	Lignite	52.60	14.85	2063.50	S5	H3
VLR-20A	108.00	108.25	0.25	Carbonaceous Clay	-	-	-		
VLR-20A	108.25	120.05	11.80	Grey Clay	-	-	-		
VLR-20A	120.05	121.05	1.00	Lignite	52.00	9.27	2629.00	S6	H3
VLR-20A	121.05	122.05	1.00	Lignite	51.80	6.24	3070.20	S6	H3
VLR-20A	122.05	123.05	1.00	Lignite	52.00	8.51	2774.70	S6	H3
VLR-20A	123.05	123.45	0.40	Lignite	52.20	3.26	3128.40	S6	H3
VLR-20A	123.45	124.00	0.55	Grey Clay	-	-	-		
VLR-20A	124.00	124.80	0.80	Carbonaceous Clay	-	-	-		
VLR-20A	124.80	150.00	25.20	Grey Clay	-	-	-		

R.L:- 41.239

Co-ordinates:-

Northing:- 19807.98

Easting:- 17653.995

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-20B	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-20B	6.00	21.80	15.80	Variegated Clay	-	-	-		
VLR-20B	21.80	23.20	1.40	Conglomerate	-	-	-		
VLR-20B	23.20	24.40	1.20	Variegated Clay	-	-	-		
VLR-20B	24.40	24.90	0.50	Carbonaceous Clay	-	-	-		
VLR-20B	24.90	31.00	6.10	Grey Clay	-	-	-		

VLR-20B	31.00	32.00	1.00	Grey Clay	-	-	-		
VLR-20B	32.00	33.80	1.80	Fossileferous Grey Clay	-	-	-		
VLR-20B	33.80	34.80	1.00	Lignite	49.60	6.01	3108.20	S2	H2
VLR-20B	34.80	35.60	0.80	Lignite	49.60	3.72	3241.50	S2	H2
VLR-20B	35.60	42.00	6.40	Grey Clay	-	-	-		
VLR-20B	42.00	51.30	9.30	Fossileferous Grey Clay	-	-	-		
VLR-20B	51.30	52.30	1.00	Lignite	49.80	10.17	3034.60	S3	H2
VLR-20B	52.30	54.00	1.70	Grey Clay	-	-	-		
VLR-20B	54.00	55.00	1.00	Fossileferous Grey Clay	-	-	-		
VLR-20B	55.00	57.00	2.00	Grey Clay	-	-	-		
VLR-20B	57.00	58.00	1.00	Fossileferous Grey Clay	-	-	-		
VLR-20B	58.00	60.00	2.00	Grey Clay	-	-	-		
VLR-20B	60.00	61.00	1.00	Fossileferous Grey Clay	-	-	-		
VLR-20B	61.00	62.00	1.00	Lignite	50.20	3.62	3243.90	S4	H3
VLR-20B	62.00	63.00	1.00	Lignite	50.20	9.16	2793.30	S4	H3
VLR-20B	63.00	64.00	1.00	Lignite	50.00	5.49	3090.00	S4	H3
VLR-20B	64.00	65.00	1.00	Lignite	50.40	4.94	2901.00	S4	H3
VLR-20B	65.00	65.60	0.60	Lignite	52.20	4.99	3031.00	S4	H3
VLR-20B	65.60	66.20	0.60	Grey Clay	-	-	-		
VLR-20B	66.20	66.40	0.20	Lignite	-	-	-	S4	H3
VLR-20B	66.40	68.40	2.00	Grey Clay	-	-	-		
VLR-20B	68.40	69.40	1.00	Lignite	51.00	4.00	3228.00	S4	H3
VLR-20B	69.40	70.40	1.00	Lignite	51.40	5.84	3004.00	S4	H3
VLR-20B	70.40	71.20	0.80	Lignite	51.40	6.58	2830.00	S4	H3
VLR-20B	71.20	71.50	0.30	Silt Stone	-	-	-		
VLR-20B	71.50	72.50	1.00	Lignite	51.20	4.59	3186.80	S4	H3
VLR-20B	72.50	73.50	1.00	Lignite	51.60	7.31	2814.00	S4	H3
VLR-20B	73.50	74.40	0.90	Lignite	51.80	7.73	2577.00	S4	H3
VLR-20B	74.40	74.50	0.10	Silt Stone	-	-	-		
VLR-20B	74.50	75.50	1.00	Lignite	51.60	3.91	2904.00	S4	H3
VLR-20B	75.50	75.80	0.30	Lignite	51.00	3.59	3016.20	S4	H3
VLR-20B	75.80	78.00	2.20	Grey Clay	-	-	-		
VLR-20B	78.00	78.90	0.90	Lignite	51.40	2.93	2930.00	S4	H3
VLR-20B	78.90	87.10	8.20	Grey Clay	-	-	-		
VLR-20B	87.10	88.10	1.00	Lignite	52.00	7.95	2559.00	S5	H3
VLR-20B	88.10	89.10	1.00	Lignite	51.80	3.52	2929.00	S5	H3
VLR-20B	89.10	90.10	1.00	Lignite	52.00	3.82	3026.50	S5	H3
VLR-20B	90.10	90.25	0.15	Carbonaceous Clay	-	-	-		
VLR-20B	90.25	91.00	0.75	Lignite	52.00	3.26	3060.80	S5	H3
VLR-20B	91.00	92.30	1.30	Grey Clay	-	-	-		
VLR-20B	92.30	93.30	1.00	Lignite	52.40	6.88	2823.80	S5	H3
VLR-20B	93.30	94.40	1.10	Lignite	52.40	8.40	2691.80	S5	H3
VLR-20B	94.40	95.10	0.70	Grey Clay	-	-	-		
VLR-20B	95.10	96.10	1.00	Lignite	52.00	7.20	2896.90	S5	H3
VLR-20B	96.10	96.15	0.05	Silt Stone	-	-	-		
VLR-20B	96.15	97.15	1.00	Lignite	52.20	13.51	2604.20	S5	H3
VLR-20B	97.15	98.15	1.00	Lignite	52.00	10.41	2565.40	S5	H3
VLR-20B	98.15	99.15	1.00	Lignite	52.20	8.65	2663.40	S5	H3
VLR-20B	99.15	100.00	0.85	Lignite	52.00	5.98	2967.00	S5	H3
VLR-20B	100.00	150.00	50.00	Grey Clay	-	-	-		

R.L:- 47.417

Co-ordinates:-

Northing:- 18627.3555

Easting:- 17936.7006

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-21	0.00	10.00	10.00	Black Cotton Soil	-	-	-		
VLR-21	10.00	23.00	13.00	Variegated Clay	-	-	-		
VLR-21	23.00	27.00	4.00	Grey Clay	-	-	-		
VLR-21	27.00	102.00	75.00	Variegated Clay	-	-	-		
VLR-21	102.00	105.00	3.00	Grey Clay	-	-	-		
VLR-21	105.00	118.00	13.00	Variegated Clay	-	-	-		
VLR-21	118.00	121.00	3.00	Weathered Trap	-	-	-		
VLR-21	121.00	128.00	7.00	Grey Clay	-	-	-		
VLR-21	128.00	129.00	1.00	Weathered Trap	-	-	-		

R.L:- 46.546

Co-ordinates:-

Northing:- 18966.968

Easting:- 17570.1517

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-22	0.00	9.50	9.50	Black Cotton Soil	-	-	-		
VLR-22	9.50	26.00	16.50	Variegated Clay	-	-	-		
VLR-22	26.00	30.35	4.35	Grey Clay	-	-	-		
VLR-22	30.35	31.00	0.65	Lignite	35.00	24.56	2418.97	S4	H3
VLR-22	31.00	32.80	1.80	Grey Clay	-	-	-		
VLR-22	32.80	33.00	0.20	Lignite	-	-	-	S4	H3
VLR-22	33.00	38.20	5.20	Grey Clay	-	-	-		
VLR-22	38.20	38.50	0.30	Lignite	36.60	8.44	3593.12	S4	H3
VLR-22	38.50	39.00	0.50	Grey Clay	36.80	17.69	3014.18		
VLR-22	39.00	39.50	0.50	Lignite	36.00	5.31	3701.16	S4	H3
VLR-22	39.50	40.50	1.00	Lignite	38.00	6.83	3382.27	S4	H3
VLR-22	40.50	41.50	1.00	Lignite	38.50	6.15	3457.21	S4	H3
VLR-22	41.50	45.50	4.00	Grey Clay	-	-	-		
VLR-22	45.50	46.00	0.50	Lignite	42.00	29.52	1428.91	Local Seam	Local Seam
VLR-22	46.00	46.50	0.50	Lignite	45.00	14.70	2414.17	Local Seam	Local Seam
VLR-22	46.50	49.50	3.00	Grey Clay	-	-	-		
VLR-22	49.50	50.00	0.50	Lignite	45.00	9.83	2837.15	Local Seam	Local Seam
VLR-22	50.00	51.00	1.00	Grey Clay	-	-	-		
VLR-22	51.00	52.00	1.00	Lignite	47.00	12.73	2698.04	Local Seam	Local Seam
VLR-22	52.00	52.60	0.60	Lignite	47.50	10.74	2656.07	Local Seam	Local Seam
VLR-22	52.60	59.15	6.55	Grey Clay	-	-	-		
VLR-22	59.15	60.00	0.85	Lignite	40.00	13.72	2747.97	S5	H3
VLR-22	60.00	61.00	1.00	Lignite	38.00	10.20	3883.88	S5	H3
VLR-22	61.00	62.00	1.00	Lignite	39.00	7.07	3517.66	S5	H3
VLR-22	62.00	63.00	1.00	Lignite	39.00	7.48	3464.37	S5	H3
VLR-22	63.00	69.50	6.50	Grey Clay	-	-	-		
VLR-22	69.50	70.00	0.50	Lignite	40.00	30.41	1580.25	S6	H3
VLR-22	70.00	70.50	0.50	Lignite	43.00	32.75	1242.76	S6	H3
VLR-22	70.50	72.60	2.10	Grey Clay	-	-	-		
VLR-22	72.60	73.00	0.40	Lignite	43.00	7.00	3238.95	Local Seam	Local Seam
VLR-22	73.00	74.00	1.00	Lignite	45.00	6.66	3097.96	Local Seam	Local Seam
VLR-22	74.00	79.00	5.00	Grey Clay	-	-	-		
VLR-22	79.00	79.20	0.20	Lignite	-	-	-	Local Seam	Local Seam
VLR-22	79.20	83.00	3.80	Grey Clay	-	-	-		
VLR-22	83.00	83.65	0.65	Lignite	47.00	26.09	1161.17	Local Seam	Local Seam
VLR-22	83.65	105.00	21.35	Grey Clay	-	-	-		
VLR-22	105.00	115.00	10.00	Variegated Clay	-	-	-		
VLR-22	115.00	124.00	9.00	Grey Clay	-	-	-		
VLR-22	124.00	125.50	1.50	Weathered Trap	-	-	-		

R.L:- 45.3944

Co-ordinates:-

Northing:- 19230.5455

Easting:- 17289.8841

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-23	0.00	6.00	6.00	Black Cotton Soil	-	-	-		
VLR-23	6.00	19.00	13.00	Variegated Clay	-	-	-		
VLR-23	19.00	19.20	0.20	Conglomerate	-	-	-		
VLR-23	19.20	21.00	1.80	Variegated Clay	-	-	-		
VLR-23	21.00	21.15	0.15	Silt Stone	-	-	-		
VLR-23	21.15	26.00	4.85	Variegated Clay	-	-	-		
VLR-23	26.00	26.40	0.40	Conglomerate	-	-	-		
VLR-23	26.40	37.00	10.60	Variegated Clay	-	-	-		
VLR-23	37.00	38.00	1.00	Grey Clay	-	-	-		
VLR-23	38.00	38.35	0.35	Lignite	50.80	13.83	2266.94	Local Seam	Local Seam
VLR-23	38.35	41.00	2.65	Grey Clay	-	-	-		
VLR-23	41.00	43.00	2.00	Fossileferous Grey Clay	-	-	-		
VLR-23	43.00	48.80	5.80	Grey Clay	-	-	-		
VLR-23	48.80	50.00	1.20	Lignite	51.00	13.56	2211.26	S2	H2
VLR-23	50.00	53.00	3.00	Grey Clay	-	-	-		
VLR-23	53.00	54.55	1.55	Fossileferous Grey Clay	-	-	-		
VLR-23	54.55	55.00	0.45	Lignite	48.00	8.61	2891.22	Local Seam	Local Seam
VLR-23	55.00	56.00	1.00	Grey Clay	-	-	-		
VLR-23	56.00	57.00	1.00	Lignite	48.60	11.41	2595.13	S3	H2
VLR-23	57.00	58.00	1.00	Lignite	50.00	8.09	2814.07	S3	H2
VLR-23	58.00	58.30	0.30	Grey Clay	-	-	-		
VLR-23	58.30	59.00	0.70	Lignite	52.00	19.40	1473.00	S3	H2
VLR-23	59.00	59.50	0.50	Lignite	50.00	16.40	1789.00	S3	H2



VLR-23	59.50	63.00	3.50	Grey Clay	-	-	-		
VLR-23	63.00	64.00	1.00	Lignite	54.00	6.58	2540.29	S4	H3
VLR-23	64.00	65.00	1.00	Lignite	55.00	5.01	2553.00	S4	H3
VLR-23	65.00	66.00	1.00	Lignite	54.00	5.09	2668.80	S4	H3
VLR-23	66.00	66.80	0.80	Lignite	53.00	19.30	1673.61	S4	H3
VLR-23	66.80	67.00	0.20	Silt Stone	-	-	-		
VLR-23	67.00	68.00	1.00	Lignite	53.00	4.32	2748.40	S4	H3
VLR-23	68.00	69.00	1.00	Lignite	52.00	3.97	2816.70	S4	H3
VLR-23	69.00	69.35	0.35	Lignite	50.00	20.10	1600.25	S4	H3
VLR-23	69.35	70.60	1.25	Carbonaceous Clay	-	-	-		
VLR-23	70.60	71.00	0.40	Lignite	50.00	24.16	1316.58	S4	H3
VLR-23	71.00	71.90	0.90	Lignite	52.00	6.26	2724.31	S4	H3
VLR-23	71.90	72.10	0.20	Silt Stone	-	-	-		
VLR-23	72.10	73.00	0.90	Lignite	52.00	4.30	2751.69	S4	H3
VLR-23	73.00	74.00	1.00	Lignite	50.00	6.97	2747.75	S4	H3
VLR-23	74.00	75.00	1.00	Lignite	50.00	5.20	2873.51	S4	H3
VLR-23	75.00	76.00	1.00	Carbonaceous Clay	-	-	-		
VLR-23	76.00	77.80	1.80	Grey Clay	-	-	-		
VLR-23	77.80	79.00	1.20	Lignite	52.00	9.85	2395.63	Local Seam	Local Seam
VLR-23	79.00	86.00	7.00	Grey Clay	-	-	-		
VLR-23	86.00	86.80	0.80	Lignite	53.00	9.41	2357.27	Local Seam	Local Seam
VLR-23	86.80	87.00	0.20	Silt Stone	-	-	-		
VLR-23	87.00	87.50	0.50	Fossiliferous Grey Clay	-	-	-		
VLR-23	87.50	88.00	0.50	Lignite	53.00	7.24	2522.83	Local Seam	Local Seam
VLR-23	88.00	89.00	1.00	Lignite	52.00	3.59	2837.30	Local Seam	Local Seam
VLR-23	89.00	89.75	0.75	Lignite	53.00	11.54	2188.36	Local Seam	Local Seam
VLR-23	89.75	93.85	4.10	Grey Clay	-	-	-		
VLR-23	93.85	94.00	0.15	Lignite	-	-	-	S5	H3
VLR-23	94.00	95.00	1.00	Lignite	50.00	5.36	2974.92	S5	H3
VLR-23	95.00	95.70	0.70	Grey Clay	-	-	-		
VLR-23	95.70	96.00	0.30	Lignite	48.00	10.56	2651.64	S5	H3
VLR-23	96.00	97.00	1.00	Lignite	51.00	6.43	2830.40	S5	H3
VLR-23	97.00	97.15	0.15	Silt Stone	-	-	-		
VLR-23	97.15	98.00	0.85	Lignite	55.00	3.59	2759.63	S5	H3
VLR-23	98.00	99.00	1.00	Lignite	50.00	6.37	2686.60	S5	H3
VLR-23	99.00	99.84	0.84	Lignite	50.00	6.50	2741.62	S5	H3
VLR-23	99.84	100.00	0.16	Carbonaceous Clay	-	-	-		
VLR-23	100.00	105.25	5.25	Grey Clay	-	-	-		
VLR-23	105.25	106.00	0.75	Lignite	48.00	16.14	2266.89	S6	H3
VLR-23	106.00	108.25	2.25	Grey Clay	-	-	-		
VLR-23	108.25	109.00	0.75	Lignite	48.80	8.97	2508.80	Local Seam	Local Seam
VLR-23	109.00	113.60	4.60	Grey Clay	-	-	-		
VLR-23	113.60	114.00	0.40	Lignite	50.00	28.76	843.33	Local Seam	Local Seam
VLR-23	114.00	115.00	1.00	Carbonaceous Clay	-	-	-		
VLR-23	115.00	116.00	1.00	Grey Clay	-	-	-		
VLR-23	116.00	117.00	1.00	Carbonaceous Clay	-	-	-		
VLR-23	117.00	123.00	6.00	Grey Clay	-	-	-		
VLR-23	123.00	124.00	1.00	Carbonaceous Clay	-	-	-		
VLR-23	124.00	130.00	6.00	Grey Clay	-	-	-		
VLR-23	130.00	131.00	1.00	Carbonaceous Clay	-	-	-		
VLR-23	131.00	133.00	2.00	Grey Clay	-	-	-		
VLR-23	133.00	134.50	1.50	Carbonaceous Clay	-	-	-		
VLR-23	134.50	146.00	11.50	Grey Clay	-	-	-		
VLR-23	146.00	150.00	4.00	Weathered Trap	-	-	-		

R.L:-44.549

Co-ordinates:-

Northing:-19470.49

Easting:-17021.28

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-24	0.00	7.00	7.00	Black Cotton Soil	-	-	-		
VLR-24	7.00	45.00	38.00	Variegated Clay	-	-	-		
VLR-24	45.00	48.40	3.40	Grey Clay	-	-	-		
VLR-24	48.40	48.60	0.20	Silt Stone	-	-	-		
VLR-24	48.60	49.00	0.40	Carbonaceous Clay	-	-	-		
VLR-24	49.00	99.90	50.90	Grey Clay	-	-	-		
VLR-24	99.90	100.00	0.10	Lignite	-	-	-	Local Seam	Local Seam
VLR-24	100.00	104.70	4.70	Grey Clay	-	-	-		
VLR-24	104.70	105.70	1.00	Lignite	51.80	9.48	2736.60	S4	H3
VLR-24	105.70	106.70	1.00	Lignite	52.00	6.60	2800.70	S4	H3
VLR-24	106.70	107.00	0.30	Silt Stone	-	-	-		

VLR-24	107.00	107.70	0.70	Lignite	52.20	6.48	2912.10	S4	H3
VLR-24	107.70	108.90	1.20	Grey Clay	-	-	-		
VLR-24	108.90	109.20	0.30	Lignite	52.00	9.32	2618.20	S4	H3
VLR-24	109.20	109.80	0.60	Carbonaceous Clay	-	-	-		
VLR-24	109.80	110.80	1.00	Lignite	52.20	10.78	2594.90	S4	H3
VLR-24	110.80	111.05	0.25	Lignite	52.00	8.80	2778.00	S4	H3
VLR-24	111.05	111.25	0.20	Silt Stone	-	-	-		
VLR-24	111.25	112.25	1.00	Lignite	52.60	11.12	2404.00	S4	H3
VLR-24	112.25	113.25	1.00	Lignite	52.60	10.41	2514.00	S4	H3
VLR-24	113.25	114.50	1.25	Lignite	52.40	9.96	2592.00	S4	H3
VLR-24	114.50	114.60	0.10	Carbonaceous Clay	-	-	-		
VLR-24	114.60	126.00	11.40	Grey Clay	-	-	-		
VLR-24	126.00	136.00	10.00	Fossileferous Grey Clay	-	-	-		
VLR-24	136.00	137.00	1.00	Lignite	53.00	8.54	2613.00	S5	H3
VLR-24	137.00	138.30	1.30	Lignite	52.80	8.77	2673.00	S5	H3
VLR-24	138.30	138.60	0.30	Silt Stone	-	-	-		
VLR-24	138.60	138.80	0.20	Lignite	-	-	-	S5	H3
VLR-24	138.80	150.00	11.20	Grey Clay	-	-	-		

R.L:- 45.3152

Co-ordinates:-

Northing:- 18516.0892

Easting:- 17695.7794

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-25	0.00	8.00	8.00	Black Cotton Soil	-	-	-		
VLR-25	8.00	56.00	48.00	Variegated Clay	-	-	-		
VLR-25	56.00	81.00	25.00	Grey Clay	-	-	-		
VLR-25	81.00	85.00	4.00	Variegated Clay	-	-	-		
VLR-25	85.00	87.00	2.00	Grey Clay	-	-	-		
VLR-25	87.00	90.00	3.00	Variegated Clay	-	-	-		
VLR-25	90.00	113.00	23.00	Grey Clay	-	-	-		
VLR-25	113.00	120.00	7.00	Weathered Trap	-	-	-		

R.L:- 46.353

Co-ordinates:-

Northing:- 18717.2967

Easting:- 1747.6338

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-26	0.00	7.00	7.00	Black Cotton Soil	-	-	-		
VLR-26	7.00	33.00	26.00	Variegated Clay	-	-	-		
VLR-26	33.00	35.00	2.00	Grey Clay	-	-	-		
VLR-26	35.00	35.18	0.18	Lignite	-	-	-	S5	H3
VLR-26	35.18	36.67	1.49	Grey Clay	-	-	-		
VLR-26	36.67	37.00	0.33	Lignite	39.60	9.82	3265.90	S5	H3
VLR-26	37.00	38.00	1.00	Lignite	40.00	6.49	3569.30	S5	H3
VLR-26	38.00	39.00	1.00	Lignite	40.00	9.68	3202.40	S5	H3
VLR-26	39.00	40.00	1.00	Lignite	40.00	7.13	3333.80	S5	H3
VLR-26	40.00	40.80	0.80	Grey Clay	-	-	-		
VLR-26	40.80	41.00	0.20	Lignite	35.00	13.16	3041.80	S5	H3
VLR-26	41.00	41.25	0.25	Lignite	36.00	12.44	3090.50	S5	H3
VLR-26	41.25	49.00	7.75	Grey Clay	-	-	-		
VLR-26	49.00	49.20	0.20	Lignite	-	-	-	Local Seam	Local Seam
VLR-26	49.20	75.00	25.80	Grey Clay	-	-	-		
VLR-26	75.00	80.00	5.00	Variegated Clay	-	-	-		
VLR-26	80.00	81.00	1.00	Grey Clay	-	-	-		
VLR-26	81.00	82.00	1.00	Variegated Clay	-	-	-		
VLR-26	82.00	88.00	6.00	Grey Clay	-	-	-		
VLR-26	88.00	99.00	11.00	Variegated Clay	-	-	-		
VLR-26	99.00	113.00	14.00	Grey Clay	-	-	-		
VLR-26	113.00	124.00	11.00	Variegated Clay	-	-	-		
VLR-26	124.00	133.00	9.00	Grey Clay	-	-	-		
VLR-26	133.00	140.00	7.00	Weathered Trap	-	-	-		

R.L:-44.8448

Co-ordinates:-

Northing:-19056.3187

Easting:-17110.1252

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-27	0.00	9.00	9.00	Black Cotton Soil	-	-	-		
VLR-27	9.00	32.00	23.00	Variegated Clay	-	-	-		
VLR-27	32.00	33.00	1.00	Grey Clay	-	-	-		
VLR-27	33.00	34.00	1.00	Grey Clay	-	-	-		
VLR-27	34.00	35.00	1.00	Grey Clay	-	-	-		
VLR-27	35.00	36.00	1.00	Grey Clay	-	-	-		
VLR-27	36.00	37.00	1.00	Lignite	45.00	5.00	3379.00	S2	H2
VLR-27	37.00	37.35	0.35	Lignite	47.00	6.29	3028.00	S2	H2
VLR-27	37.35	38.00	0.65	Grey Clay	-	-	-		
VLR-27	38.00	50.50	12.50	Fossileferous Grey Clay	-	-	-		
VLR-27	50.50	51.20	0.70	Lignite	50.00	10.00	2498.00	Local Seam	Local Seam
VLR-27	51.20	55.00	3.80	Grey Clay	-	-	-		
VLR-27	55.00	55.70	0.70	Lignite	50.00	8.03	2721.00	Local Seam	Local Seam
VLR-27	55.70	57.00	1.30	Grey Clay	-	-	-		
VLR-27	57.00	58.00	1.00	Lignite	55.00	5.05	2621.00	S3	H2
VLR-27	58.00	58.65	0.65	Grey Clay	-	-	-		
VLR-27	58.65	59.00	0.35	Lignite	55.00	5.00	2649.00	S3	H2
VLR-27	59.00	59.30	0.30	Lignite	50.00	23.06	1274.00	S3	H2
VLR-27	59.30	62.00	2.70	Grey Clay	-	-	-		
VLR-27	62.00	63.00	1.00	Lignite	55.00	5.06	2605.00	S4	H3
VLR-27	63.00	64.00	1.00	Lignite	53.00	4.52	2776.71	S4	H3
VLR-27	64.00	65.00	1.00	Lignite	52.00	15.93	2050.97	S4	H3
VLR-27	65.00	65.95	0.95	Lignite	50.00	5.31	2956.43	S4	H3
VLR-27	65.95	66.00	0.05	Silt Stone	-	-	-		
VLR-27	66.00	67.00	1.00	Lignite	52.00	3.17	2923.00	S4	H3
VLR-27	67.00	67.25	0.25	Lignite	48.00	9.00	2887.01	S4	H3
VLR-27	67.25	69.40	2.15	Grey Clay	-	-	-		
VLR-27	69.40	70.00	0.60	Lignite	54.60	11.13	2259.94	S4	H3
VLR-27	70.00	70.90	0.90	Lignite	54.00	4.40	2764.44	S4	H3
VLR-27	70.90	71.00	0.10	Silt Stone	-	-	-		
VLR-27	71.00	72.00	1.00	Lignite	55.00	3.32	2739.18	S4	H3
VLR-27	72.00	72.20	0.20	Grey Clay	-	-	-		
VLR-27	72.20	72.30	0.10	Silt Stone	-	-	-		
VLR-27	72.30	73.00	0.70	Lignite	55.00	5.08	2608.12	S4	H3
VLR-27	73.00	74.00	1.00	Lignite	50.00	5.17	2933.78	S4	H3
VLR-27	74.00	78.00	4.00	Grey Clay	-	-	-		
VLR-27	78.00	79.00	1.00	Lignite	49.00	7.05	2984.90	Local Seam	Local Seam
VLR-27	79.00	81.00	2.00	Grey Clay	-	-	-		
VLR-27	81.00	81.20	0.20	Lignite	-	-	-	Local Seam	Local Seam
VLR-27	81.20	86.75	5.55	Grey Clay	-	-	-		
VLR-27	86.75	87.00	0.25	Lignite	45.80	24.07	1767.63	S5	H3
VLR-27	87.00	87.20	0.20	Lignite	-	-	-	S5	H3
VLR-27	87.20	88.00	0.80	Grey Clay	-	-	-		
VLR-27	88.00	89.00	1.00	Lignite	52.00	5.62	2881.46	S5	H3
VLR-27	89.00	90.00	1.00	Lignite	52.00	5.63	2937.45	S5	H3
VLR-27	90.00	91.00	1.00	Lignite	50.40	4.11	2842.32	S5	H3
VLR-27	91.00	91.70	0.70	Lignite	50.40	11.25	2324.61	S5	H3
VLR-27	91.70	92.00	0.30	Grey Clay	-	-	-		
VLR-27	92.00	93.65	1.65	Carbonaceous Clay	-	-	-		
VLR-27	93.65	94.00	0.35	Lignite	49.80	13.81	2168.42	S5	H3
VLR-27	94.00	94.75	0.75	Lignite	50.00	8.80	2566.53	S5	H3
VLR-27	94.75	95.00	0.25	Carbonaceous Clay	-	-	-		
VLR-27	95.00	95.70	0.70	Grey Clay	-	-	-		
VLR-27	95.70	96.00	0.30	Lignite	51.00	10.35	2434.29	S5	H3
VLR-27	96.00	97.00	1.00	Lignite	50.00	4.76	3053.22	S5	H3
VLR-27	97.00	98.00	1.00	Lignite	53.00	4.90	2697.07	S5	H3
VLR-27	98.00	99.00	1.00	Lignite	50.00	5.09	2874.00	S5	H3
VLR-27	99.00	100.00	1.00	Lignite	50.00	8.02	2710.00	S5	H3
VLR-27	100.00	129.00	29.00	Grey Clay	-	-	-		
VLR-27	129.00	137.00	8.00	Variegated Clay	-	-	-		
VLR-27	137.00	140.00	3.00	Grey Clay	-	-	-		

R.L:- 43.95

Co-ordinates:-

Northing:-19291.36

Easting:- 16910.73

Bore Hole No.	From	To	Length	Lithology	Total Moisture (%)	Ash (%)	GCV (Kcal/kg)	Seam	Horizon
VLR-28	0.00	6.00	6.00	Black Cotton Soil	-	-	-		

VLR-28	6.00	14.70	8.70	Variegated Clay	-	-	-		
VLR-28	14.70	15.00	0.30	Conglomerate	-	-	-		
VLR-28	15.00	27.00	12.00	Variegated Clay	-	-	-		
VLR-28	27.00	29.00	2.00	Conglomerate	-	-	-		
VLR-28	29.00	30.30	1.30	Variegated Clay	-	-	-		
VLR-28	30.30	33.00	2.70	Conglomerate	-	-	-		
VLR-28	33.00	42.50	9.50	Variegated Clay	-	-	-		
VLR-28	42.50	96.30	53.80	Grey Clay	-	-	-		
VLR-28	96.30	97.30	1.00	Lignite	51.00	5.78	3037.30	S4	H3
VLR-28	97.30	98.30	1.00	Lignite	51.20	8.33	2893.90	S4	H3
VLR-28	98.30	99.30	1.00	Lignite	51.20	4.41	3079.10	S4	H3
VLR-28	99.30	100.30	1.00	Lignite	51.40	5.01	2994.20	S4	H3
VLR-28	100.30	101.30	1.00	Lignite	51.20	5.29	2985.50	S4	H3
VLR-28	101.30	102.30	1.00	Lignite	51.00	4.61	3199.10	S4	H3
VLR-28	102.30	103.50	1.20	Lignite	51.40	4.67	3143.30	S4	H3
VLR-28	103.50	105.05	1.55	Grey Clay	-	-	-		
VLR-28	105.05	105.30	0.25	Lignite	52.20	4.70	2938.20	S4	H3
VLR-28	105.30	105.60	0.30	Grey Clay	-	-	-		
VLR-28	105.60	106.60	1.00	Lignite	52.00	4.47	2658.30	S4	H3
VLR-28	106.60	107.00	0.40	Lignite	51.80	6.15	2853.20	S4	H3
VLR-28	107.00	107.20	0.20	Silt Stone	-	-	-		
VLR-28	107.20	108.20	1.00	Lignite	52.00	5.05	2921.90	S4	H3
VLR-28	108.20	109.20	1.00	Lignite	51.80	8.48	2644.90	S4	H3
VLR-28	109.20	109.90	0.70	Lignite	52.20	5.72	2918.14	S4	H3
VLR-28	109.90	130.00	20.10	Grey Clay	-	-	-		
VLR-28	130.00	130.40	0.40	Carbonaceous Clay	-	-	-		
VLR-28	130.40	131.10	0.70	Grey Clay	-	-	-		
VLR-28	131.10	132.20	1.10	Lignite	51.80	4.72	2839.00	S5	H3
VLR-28	132.20	132.30	0.10	Silt Stone	-	-	-		
VLR-28	132.30	133.30	1.00	Lignite	51.60	3.41	3040.40	S5	H3
VLR-28	133.30	133.70	0.40	Lignite	52.20	4.36	3028.60	S5	H3
VLR-28	133.70	135.30	1.60	Carbonaceous Clay	-	-	-		
VLR-28	135.30	136.00	0.70	Lignite	52.00	3.71	2916.00	S5	H3
VLR-28	136.00	142.00	6.00	Grey Clay	-	-	-		
VLR-28	142.00	142.50	0.50	Carbonaceous Clay	-	-	-		
VLR-28	142.50	142.90	0.40	Grey Clay	-	-	-		
VLR-28	142.90	143.10	0.20	Carbonaceous Clay	-	-	-		
VLR-28	143.10	143.90	0.80	Grey Clay	-	-	-		
VLR-28	143.90	144.00	0.10	Carbonaceous Clay	-	-	-		
VLR-28	144.00	150.00	6.00	Grey Clay	-	-	-		