

Table No.2 Chemical analyses of Ash Bed
Hathnora_Sardapur Section Central Narmada valley.

Oxide%	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	FeO	MnO	CaO	MgO	Na ₂ O	K ₂ O	P ₂ O ₅	H ₂ O ⁺	Total
Ash Bed –I													
1	62	0.92	15.1	5.3	0.9	0.1	3.4	1.41	1.66	2.6	0.19	6.38	100
2	63.8	1.04	13.4	4.4	1.25	0.08	2.5	2.57	1.91	2.7	0.12	6.28	100
3	66	0.56	14.8	2.8	1.09	0.05	2.25	1.21	2.09	3.56	0.31	5.28	100
4	68.3	0.33	12.6	1.6	1.08	0.05	2.5	2.14	2.42	3.72	0.08	5.2	100
5	69	ND	16.3	3.03	ND	0.33	4.99	0.9	ND	5.42	ND	ND	100
6	78.6	ND	15.6	1.55	ND	ND	3.68	0.66	ND	ND	ND	ND	100
Ash Bed –II													
1	63	0.92	15.4	5.23	0.9	0.2	2.5	1.42	1.63	2.9	0.18	5.69	100
2	63.7	1.07	14	4.2	1.32	0.08	2	2.57	1.91	2.7	0.12	6.31	100
3	66.7	0.55	14.9	2.7	1.09	0.05	2.5	1.22	2.09	3.55	0.32	4.3	100
4	66.4	0.33	13.2	1.6	1.08	0.05	2.34	2.12	2.42	3.72	0.08	6.65	100
5	74.1	ND	12.6	4.03	ND	0.34	2.65	0.9	ND	5.41	ND	ND	100
6	76.3	ND	16	2.55	ND	ND	4.5	0.66	ND	ND	ND	ND	100
Ash Bed –I (L-1)													
1	68.5	0.92	14	4.23	0.9	0.2	2.1	1.42	1.63	1.9	0.18	4.07	100
2	64.7	1.07	14.5	3.2	1.32	0.08	4.54	1.57	1.91	2.7	0.12	4.27	100
3	67.8	0.55	12.5	2.6	1.09	0.05	2.63	1.2	2.09	3.57	0.3	5.68	100
4	70.4	0.33	7.32	1.6	1.08	0.05	4.88	2.12	2.42	3.72	0.08	5.99	100
5	76	ND	10.5	5.03	ND	0.34	2.82	0.9	ND	4.41	ND	ND	100
6	77.4	ND	10.3	6.55	ND	ND	5.1	0.66	ND	ND	ND	ND	100
Ash Bed –I (L-2)													
1	67.9	0.92	11.1	5.23	0.9	0.2	2.7	1.43	1.64	1.9	0.2	5.88	100
2	68.7	1.07	4.4	3.2	1.32	0.08	5.6	1.55	1.91	2.7	0.22	9.23	100
3	71	0.55	10.8	2.6	1.09	0.06	2.15	1.2	2.08	2.57	0.3	5.7	100
4	73.4	0.33	3.58	1.6	1.08	0.05	4.86	2.14	2.4	3.74	0.09	6.72	100
5	77.1	ND	9.5	5.03	ND	0.34	2.75	0.9	ND	4.4	ND	ND	100
6	78.4	ND	9.48	5.55	ND	ND	5.87	0.66	ND	ND	ND	ND	100
Ash Bed –I (L-3)													
1	69.8	0.92	10.1	3.23	0.9	0.2	3.5	1.43	1.64	1.9	0.18	6.28	100
2	69.7	1.07	6.4	3.2	1.32	0.08	5.6	1.55	1.91	2.7	0.14	6.31	100
3	74.8	0.55	8.75	2.6	1.09	0.06	1.62	1.22	1.08	2.55	0.3	5.43	100
4	72.4	0.33	6.58	1.6	1.08	0.05	4.86	2.14	2.4	2.74	0.09	5.72	100
5	75.1	ND	8.5	5.03	ND	0.34	5.75	0.9	ND	4.4	ND	ND	100
6	79.4	ND	9.48	4.55	ND	ND	5.87	0.66	ND	ND	ND	ND	100
Ash Bed –II (L-4)													
1	69.8	0.92	10.1	4.23	0.9	0.2	3.5	1.53	1.54	1.9	0.18	5.28	100
2	68.7	1.07	4.4	2.2	1.32	0.08	7.6	1.52	1.91	2.7	0.17	8.31	100
3	75.8	0.55	7.75	2.6	1.09	0.06	2.31	1.22	1.08	2.52	0.3	4.77	100
4	72.4	0.33	4.58	1.6	1.08	0.05	5.86	2.14	2.4	2.74	0.09	6.72	100
5	76.1	ND	6.5	5.03	ND	0.34	6.07	0.9	ND	5.08	ND	ND	100
6	79.4	ND	9.48	5.55	ND	ND	4.87	0.66	ND	ND	ND	ND	100
Ash Bed –II (L-5)													
1	62.8	0.92	13.1	5.23	0.9	0.2	4.5	1.53	1.54	1.9	0.18	7.28	100
2	71.7	1.07	5.4	2.2	1.32	0.08	5.6	1.52	1.91	3.7	0.17	5.31	100
3	73.8	0.55	8.97	2.6	1.07	0.07	2.99	1.22	1.08	2.52	0.3	4.88	100
4	76.4	0.33	3.58	1.6	1.08	0.05	1.18	4.14	2.4	2.74	0.09	6.4	100
5	79.1	ND	6.5	4.03	ND	0.32	4.75	0.9	ND	4.42	ND	ND	100
6	79.4	ND	8.48	5.55	ND	ND	5.87	0.66	ND	ND	ND	ND	100