

Details of Analytical Results of Composite Samples for Fe, SiO₂, TiO₂, V₂O₅, Cr₂O₃, MnO, MgO, CaO, S, P & LoI by XRF method of the boreholes drilled by MECL in Thakurdih Area-1 Block, District-East Singhbhum, Jharkhand.

S. No.	Bh. No.	Sample No	From (m)	To (m)	Fe(T)%	SiO ₂ %	Al ₂ O ₃ %	TiO ₂ %	V ₂ O ₅ %	Cr ₂ O ₃ %	MnO%	MgO%	CaO%	S%	P%	LOI%
1	MTB-05	MTB05FeT/1	78	81	7.14	63.68	13.54	0.73	0.01	<0.01	0.06	1.24	2.67	0.23	0.07	0.58
2	MTB-05	MTB05FeT/2	81	84	10.83	55.92	12.92	1.21	0.02	0.01	0.10	3.01	3.77	0.18	0.13	0.73
3	MTB-05	MTB05FeT/3	84	86.9	14.17	47.71	12.81	1.35	0.04	0.02	0.13	5.44	5.05	0.16	0.11	0.92
4	MTB-05	MTB05FeT/4	86.9	89.7	16.46	39.85	11.32	0.79	0.03	0.01	0.08	5.37	5.93	1.62	1.00	2.63
5	MTB-05	MTB05FeT/5	89.7	92.7	6.32	67.44	11.81	0.42	<0.01	<0.01	0.03	1.18	1.89	0.22	0.15	1.26
6	MTB-06	MTB06FeT/1	82.40	85.50	10.49	56.67	13.86	0.44	0.02	0.02	0.05	3.90	2.12	0.23	0.11	1.93
7	MTB-06	MTB06FeT/2	85.5	88.5	9.78	57.10	14.45	0.55	0.03	<0.01	0.05	3.49	3.25	0.16	0.09	2.13
8	MTB-06	MTB06FeT/3	88.5	91.50	15.71	41.96	13.34	0.67	0.04	0.05	0.09	7.52	6.17	0.64	0.24	3.02
9	MTB-06	MTB06FeT/4	115	118.00	14.19	45.70	13.72	1.17	0.04	0.02	0.05	6.30	3.60	0.50	0.21	1.86
10	MTB-06	MTB06FeT/5	118	121.00	13.94	47.37	13.70	1.17	0.04	0.02	0.06	5.23	5.04	0.16	0.12	1.63
11	MTB-06	MTB06FeT/6	121	124.30	11.02	57.11	15.20	0.81	0.01	0.01	0.02	1.65	0.94	0.39	0.23	1.92
12	MTB-08	MTB08FeT/1	199	202.00	17.22	38.04	10.54	1.01	0.03	0.01	0.07	4.99	7.17	1.27	1.80	2.14
13	MTB-08	MTB08FeT/2	202.00	205.00	36.55	18.56	4.56	0.88	0.08	0.03	0.04	4.41	6.54	0.97	2.71	0.60*
14	MTB-08	MTB08FeT/3	205.00	208.00	9.98	59.77	11.49	0.45	0.01	<0.01	0.03	2.16	2.58	0.59	0.53	1.60
15	MTB-15	MTB15FeT/1	75.50	78.50	14.65	46.63	13.46	0.90	0.03	0.02	0.06	5.98	3.29	0.46	0.21	1.69
16	MTB-15	MTB15FeT/2	78.5	81.50	15.17	45.96	12.46	0.78	0.02	0.01	0.07	5.19	4.21	0.80	0.45	1.13
17	MTB-15	MTB15FeT/3	81.50	84.50	12.78	48.70	13.21	1.03	0.03	0.01	0.08	5.10	5.82	0.38	0.15	1.26
18	MTB-15	MTB15FeT/4	84.5	87.50	12.88	47.76	13.87	1.25	0.03	0.01	0.11	4.77	6.29	0.13	0.13	1.33
19	MTB-15	MTB15FeT/5	87.5	90.50	12.18	53.01	11.49	0.71	0.01	<0.01	0.03	2.30	3.51	1.38	0.79	2.46
20	MTB-15	MTB15FeT/6	90.50	93.50	6.17	69.35	11.18	0.37	<0.01	<0.01	0.02	0.92	1.63	0.12	0.07	0.79
21	MTB-15	MTB15FeT/7	93.5	96.5	8.77	64.06	10.22	0.41	<0.01	<0.01	0.04	2.38	1.71	0.49	0.08	1.28
22	MTB-17	MTB17FeT/1	89.77	92.77	12.85	54.00	13.29	0.83	0.05	0.01	0.04	4.58	1.22	0.10	0.02	1.34
23	MTB-17	MTB17FeT/2	92.77	96.00	15.58	42.60	14.10	0.77	0.04	0.06	0.06	8.90	2.03	0.37	0.05	1.92
24	MTB-17	MTB17FeT/3	96	99.25	14.55	45.32	13.99	0.64	0.04	0.05	0.05	8.46	2.04	0.20	0.07	2.12

S. No.	Bh. No.	Sample No	From (m)	To (m)	Fe(T)%	SiO ₂ %	Al ₂ O ₃ %	TiO ₂ %	V ₂ O ₅ %	Cr ₂ O ₃ %	MnO%	MgO%	CaO%	S%	P%	LOI%
25	MTB-17	MTB17FeT/4	99.25	102.00	11.13	54.39	12.84	0.45	0.03	0.02	0.04	5.14	2.03	0.58	0.03	1.34
26	MTB-17	MTB17FeT/5	102	105.00	6.07	65.31	13.37	0.32	0.01	<0.01	0.02	1.67	2.91	0.32	0.04	0.81
27	MTB-17	MTB17FeT/6	105	108.00	14.54	48.76	13.13	0.89	0.04	0.02	0.04	6.19	1.81	0.40	0.10	1.57
28	MTB-17	MTB17FeT/7	108	111.00	12.51	47.56	14.77	1.32	0.04	0.03	0.04	6.24	2.97	0.09	0.02	0.62
29	MTB-17	MTB17FeT/8	111.00	114.00	16.64	46.73	10.68	1.56	0.05	0.02	0.06	6.33	2.69	0.72	0.32	0.77