

**DETAILS OF BAUXITE ZONES FROM EXPLORATORY BOREHOLES DRILLED BY MECL IN ANVARAPAT BLOCK,
DISTRICT - LOHARDAGA, JHARKHAND**

Bauxite Zones demarcation based on $\text{Al}_2\text{O}_3 > 30\%$ and $\text{SiO}_2 < 7\%$

Borehole	From (m)	To (m)	Thickness (m)	Al_2O_3 %	Fe_2O_3 %	SiO_2 %	TiO_2 %	LOI %	Ga (ppm)	V (ppm)	THA %	MHA %	RS %
MAP-01	1.50	2.10	0.60	35.57	32.74	6.26	5.88	18.82	76	1044			
MAP-01	6.40	7.10	0.70	37.80	30.85	6.52	3.10	20.96	70	706			
MAP-01	8.50	9.10	0.60	42.77	23.28	5.37	4.51	23.52	92	688			
Cummulative			1.90	38.67	29.05	6.08	4.42	21.09	78.84	807.05			
MAP-04	4.00	6.00	2.00	31.14	41.14	6.72	5.03	15.55	75.75	1182.00	19.77	1.98	6.22
MAP-04	7.50	15.00	7.50	32.72	34.01	6.91	6.45	19.27	63.80	796.07	24.12	3.16	6.44
MAP-04	17.00	20.40	3.40	32.28	34.66	6.57	5.32	20.29	75.41	644.06	26.88	5.53	5.96
Cummulative			12.90	32.36	35.29	6.79	5.93	18.96	68.71	815.84			
MAP-05	1.00	3.00	2.00	37.35	31.85	6.64	5.72	17.76	100.75	2952.50	30.05	1.12	5.81
MAP-05	6.00	18.70	12.70	32.48	36.54	4.27	6.32	19.86	64.54	861.85	18.98	7.28	3.87
Cummulative			14.70	33.14	35.90	4.59	6.24	19.57	69.47	1146.29			
MAP-06	5.80	14.00	8.20	32.84	34.40	6.39	5.66	20.05	65.54	764.60	25.70	2.84	5.60
MAP-10	1.50	4.50	3.00	40.67	22.95	5.61	6.70	22.25	65.00	685.50	35.19	0.05	4.29
MAP-12	12.50	22.50	10.00	32.39	35.51	6.86	6.31	18.41	63.00	788.75	27.67	0.97	6.44
MAP-13	22.50	25.00	2.50	35.07	34.70	6.32	4.03	19.38	49.40	657.00	32.02	1.93	5.96
MAP-14	0.50	15.50	15.00	36.57	32.83	4.81	5.77	19.45	65.31	895.83	27.28	3.40	4.09
MAP-15	2.50	5.00	2.50	35.20	33.31	3.11	8.11	19.69	100.20	1724.20	22.93	6.67	2.48
MAP-15	9.00	14.00	5.00	33.20	34.26	4.31	6.20	21.49	65.20	1112.10	23.72	4.18	4.44
MAP-15	16.50	19.50	3.00	37.87	27.51	4.89	7.62	21.48	66.17	1193.83	31.83	0.31	4.42
Cummulative			10.50	35.01	32.11	4.19	7.06	21.06	73.81	1281.19			



Borehole	From (m)	To (m)	Thickness (m)	Al ₂ O ₃ %	Fe ₂ O ₃ %	SiO ₂ %	TiO ₂ %	LOI %	Ga (ppm)	V (ppm)	THA %	MHA %	RS %
MAP-16	13.50	19.50	6.00	38.70	29.56	4.25	5.97	21.01	68.00	707.67	28.47	5.34	3.90
MAP-17	6.50	9.00	2.50	31.99	38.69	4.78	5.44	18.42	60.20	852.20	24.12	2.45	4.09
MAP-17	12.00	14.75	2.75	40.12	29.56	2.38	5.43	21.96	51.91	852.09	31.83	4.60	2.23
Cummulative			5.25	36.25	33.90	3.52	5.44	20.27	55.86	852.14			
MAP-18	4.50	7.50	3.00	39.45	27.80	6.67	6.41	19.16	100.50	1475.33	23.33	6.88	6.32
MAP-18	11.50	20.00	8.50	34.67	35.49	3.76	6.23	19.33	56.18	862.06	22.73	6.86	3.19
Cummulative			11.50	35.91	33.48	4.52	6.27	19.29	67.74	1022.04			