

**DETAILS OF CHEMICAL ANALYSIS FOR Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub>, LOI, Sc, V & Ga OF PRIMARY BOREHOLE SAMPLES  
DRILLED BY MECL IN DHRANG BLOCK, DISTRICT - KACHCHH, GUJARAT**

**BH.No. MBD-01**

Sl. No.	Sample No.	Depth (m)		Thick (m)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	LOI (%)	SC (PPM)	V (PPM)	Ga (PPM)
		From	To									
1	MBD-01/01	0.00	0.50	0.50	52.38	4.82	4.03	6.70	28.77	24.29	456.46	74.34
2	MBD-01/02	0.50	1.00	0.50	46.85	2.85	19.72	6.06	23.12	21.78	848.63	69.38
3	MBD-01/03	1.00	1.50	0.50	42.97	2.51	27.01	5.70	20.49	25.67	1074.08	74.19
4	MBD-01/04	1.50	2.00	0.50	41.24	2.44	30.72	5.01	19.25	27.27	1198.06	74.43
5	MBD-01/05	2.00	3.00	1.00	39.40	2.13	34.85	4.53	17.96	25.04	1317.09	68.04
6	MBD-01/06	3.00	4.00	1.00	37.12	2.93	36.39	4.69	17.75	26.26	1499.93	64.87
7	MBD-01/07	4.00	5.00	1.00	34.20	5.34	36.12	5.82	17.26	24.88	874.28	62.16
8	MBD-01/08	5.00	6.00	1.00	34.81	5.15	34.06	5.71	18.45	27.98	824.20	57.87
9	MBD-01/09	6.00	7.00	1.00	36.57	6.39	30.19	5.30	19.69	26.64	788.26	51.68
10	MBD-01/10	7.00	8.00	1.00	35.49	5.09	33.58	5.44	18.54	28.35	859.93	58.90
11	MBD-01/11	8.00	9.00	1.00	32.38	4.67	37.21	5.19	18.72	35.22	864.93	62.32
12	MBD-01/12	9.00	9.50	0.50	30.78	4.57	39.11	5.91	18.10	38.55	762.75	58.42
13	MBD-01/13	9.50	10.30	0.80	27.03	5.62	40.98	5.39	19.33	40.75	771.90	65.37
14	MBD-01/14	10.30	11.00	0.70	21.22	5.72	49.32	3.61	17.67	51.31	729.56	65.19
15	MBD-01/15	11.00	12.00	1.00	26.50	5.92	45.03	3.51	16.37	39.70	789.50	63.05
16	MBD-01/16	12.00	13.00	1.00	27.13	6.75	42.04	5.58	16.92	62.90	1055.65	64.81
17	MBD-01/17	13.00	14.00	1.00	29.27	7.98	38.14	6.56	16.55	58.52	1080.12	64.34
18	MBD-01/18	14.00	15.00	1.00	27.39	23.38	28.94	5.69	13.47	61.98	960.26	58.35
19	MBD-01/19	15.00	16.00	1.00	29.82	32.98	19.12	4.49	12.69	39.79	645.24	46.02
20	MBD-01/20	16.00	17.00	1.00	29.97	33.88	16.69	4.81	13.63	56.72	661.46	47.24
21	MBD-01/21	17.00	18.00	1.00	28.57	31.35	21.28	5.27	12.62	48.66	701.11	50.76
22	MBD-01/22	18.00	19.00	1.00								
23	MBD-01/23	19.00	20.00	1.00								
24	MBD-01/24	20.00	21.00	1.00								
25	MBD-01/25	21.00	22.00	1.00								
26	MBD-01/26	22.00	23.00	1.00								

## BH.No.MBD-02

Sl. No.	Sample No.	Depth (m)		Thick (m)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	LOI (%)	SC (PPM)	V (PPM)	Ga (PPM)
		From	To									
1	MBD-02/01	0.00	0.50	0.50	26.0945	9.0714	44.9899	2.665	14.34	29.20064	568.1507	46.78007
2	MBD-02/02	0.50	1.50	1.00	34.5074	1.6192	42.6235	4.2869	15.65	23.72286	585.37816	50.55728
3	MBD-02/03	1.50	2.50	1.00	28.5764	1.989	42.9478	3.9571	16.87	36.30202	557.0191	51.23614
4	MBD-02/04	2.50	3.50	1.00	28.5831	1.6852	47.3956	5.2079	15.71	37.32623	799.23941	65.6216
5	MBD-02/05	3.50	4.50	1.00	25.6648	1.7519	49.8373	5.6779	16.02	51.93975	924.78738	69.05649
6	MBD-02/06	4.50	5.50	1.00	24.8361	1.8064	49.3327	6.7389	16	37.71743	939.55755	63.7132
7	MBD-02/07	5.50	6.00	0.50	33.5961	3.7737	35.8153	6.7444	18.56	46.75505	857.21652	62.79523
8	MBD-02/08	6.00	7.00	1.00	38.8673	8.1025	26.4164	4.6282	20.67	46.94873	648.11552	52.21045
9	MBD-02/09	7.00	7.50	0.50	39.0416	9.4912	26.7577	4.1854	19.45	32.38945	566.43611	41.42953
10	MBD-02/10	7.50	8.50	1.00	23.0761	21.779	38.8751	2.7876	12.2	58.55293	349.60305	39.23334
11	MBD-02/11	8.50	9.50	1.00	20.2327	21.436	41.9702	3.1761	11.49	46.23667	544.29799	42.04437
12	MBD-02/12	9.50	10.50	1.00								
13	MBD-02/13	10.50	11.00	0.50								
14	MBD-02/14	11.00	11.50	0.50								
15	MBD-02/15	11.50	12.00	0.50								
16	MBD-02/16	12.00	13.00	1.00								

## BH.No.MBD-03

Sl. No.	Sample No.	Depth (m)		Thick (m)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	LOI (%)	SC (PPM)	V (PPM)	Ga (PPM)
		From	To									
1	MBD-03/01	0.00	1.00	1.00	49.3528	10.32	5.2994	5.6884	25.98	12.81905	449.35364	68.40638
2	MBD-03/02	1.00	1.50	0.50	50.9103	8.8992	5.5508	5.93	27.02	26.45976	453.58051	76.36505
3	MBD-03/03	1.50	2.00	0.50	50.3627	9.3979	5.0541	6.0305	26.73	29.18358	439.11707	77.72557
4	MBD-03/04	2.00	3.00	1.00	48.1432	7.5814	6.8448	7.4523	27.62	25.81974	502.08436	72.13624
5	MBD-03/05	3.00	4.00	1.00	45.4373	6.6827	9.6899	7.0427	27.92	27.80987	605.28489	61.97791
6	MBD-03/06	4.00	5.00	1.00	31.1284	3.3124	34.4957	6.9582	21.6	59.93634	1373.8732	84.39767
7	MBD-03/07	5.00	6.00	1.00	22.2749	2.6636	52.0292	5.8614	15.49	55.8413	1098.0718	71.34622
8	MBD-03/08	6.00	7.00	1.00	26.5389	8.0336	41.4796	5.3469	17.09	47.59921	881.2425	58.58557
9	MBD-03/09	7.00	7.50	0.50	26.7616	23.1	30.4242	4.5863	13.69	35.23286	663.67728	47.71743
10	MBD-03/10	7.50	8.50	1.00	19.1439	28.764	31.428	2.893	11.65	53.22833	503.27832	39.30214
11	MBD-03/11	8.50	9.50	1.00								

## BH.No.MBD-04

Sl. No.	Sample No.	Depth (m)		Thick (m)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	LOI (%)	SC (PPM)	V (PPM)	Ga (PPM)
		From	To									
1	MBD-4/01	0.00	1.00	1.00	45.6993	9.5819	4.7069	7.4297	27.19	24.78085	793.95062	64.29737
2	MBD-4/02	1.00	2.00	1.00	47.51	9.45	5.76	7.25	26.10	19.48	853.33	65.60
3	MBD-4/03	2.00	2.60	0.60	50.3894	7.2358	6.9107	7.6117	24.51	35.33192	1013.6757	78.30572
4	MBD-4/04	2.60	3.20	0.60	41.4502	11.812	11.5994	8.3647	23.04	40.07556	1268.0365	71.95211
5	MBD-4/05	3.20	4.20	1.00	36.637	2.2007	18.0869	2.8656	33.08	66.61302	999.86441	42.7622
6	MBD-4/06	4.20	5.00	0.80	37.9445	2.2616	16.0595	3.7782	33.21	79.34438	1069.9562	44.71919
7	MBD-4/07	5.00	5.50	0.50	19.9553	3.0648	52.4383	2.7845	17.71	57.76448	1628.6702	68.28929
8	MBD-4/08	5.50	6.50	1.00	28.9485	3.729	29.1663	3.9028	28.5	77.14399	1459.8794	47.39752
9	MBD-4/09	6.50	7.00	0.50	16.5973	10.246	54.3112	3.3752	12.88	83.15345	1413.5397	63.87017
10	MBD-4/10	7.00	7.50	0.50	22.187	15.566	37.4334	7.9816	14.89	78.37663	2157.2675	78.36277
11	MBD-4/11	7.50	8.50	1.00	30.3787	28.781	18.291	5.0304	16.34	65.01221	898.42143	53.31214
12	MBD-4/12	8.50	9.50	1.00	31.51	34.27	14.12	4.98	14.00	49.53	581.50	48.23
13	MBD-4/13	9.50	10.00	0.50	30.38	33.53	17.74	5.07	12.38	54.37	635.35	51.09
14	MBD-4/14	10.50	11.50	1.00	26.79	29.10	28.17	4.10	11.01	49.23	657.50	50.25
15	MBD-4/15	11.50	12.50	1.00								
16	MBD-4/16	12.50	12.90	0.40								
17	MBD-4/17	12.90	13.90	1.00								
18	MBD-4/18	14.00	15.00	1.00								
19	MBD-4/19	15.00	16.00	1.00								
20	MBD-4/20	16.00	17.00	1.00								
21	MBD-4/21	17.00	18.00	1.00								
22	MBD-4/22	18.00	19.00	1.00								
23	MBD-4/23	19.00	20.00	1.00								
24	MBD-4/24	20.00	21.00	1.00								

## BH.No.MBD-05

Sl. No.	Sample No.	Depth (m)		Thick (m)	Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	TiO <sub>2</sub> (%)	LOI (%)	SC (PPM)	V (PPM)	Ga (PPM)
		From	To									
1	MBD-05/01	0.00	1.00	1.00	52.2972	6.1834	3.6769	5.0841	29.4	22.31133	316.95	52.35
2	MBD-05/02	1.00	2.00	1.00	57.0288	3.639	2.4272	4.3458	30.77	13.33756	264.31	44.15
3	MBD-05/03	2.00	2.55	0.55	56.6396	3.1043	3.022	4.6459	30.83	15.15564	269.40	41.33
4	MBD-05/04	2.55	3.15	0.6	39.8633	22.276	6.3115	4.5253	24.51	34.299	490.10	42.76
5	MBD-05/05	3.15	4.15	1	27.0352	30.123	20.7233	4.3134	16.34	44.66523	569.06	49.22
6	MBD-05/06	4.15	5.00	0.85	23.5774	33.302	20.4362	4.0567	15.25	42.85398	632.98	43.98
7	MBD-05/07	5.00	6.00	1	15.8046	40.731	17.5306	2.6135	7.14	47.53523	382.27	27.23