

ANALYTICAL RESULTS OF PRIMARY SAMPLES (FOR 10 RADICALS CaO, MgO, Al₂O₃, SiO₂, Fe₂O₃, Na₂O₃, SO₃, P₂O₅, K₂O and LOI) OF BOREHOLE CORE SAMPLES GENERATED BY MECL (G-3 LEVEL), MALKHED-02 SOUTH BLOCK (MKML-07 AND 08), DIST: KALABURGI (GULBARGA), KARNATAKA.

BOREHOLE No. MKML-07

Sample Number	Depth (m)		Thick (m)	CaO %	MgO %	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	Na ₂ O ₃ %	SiO ₃ %	P ₂ O ₅ %	K ₂ O %	LOI %
	From	To											
MKML-07/01	5.00	6.00	1.00	44.78	0.36	18.49	1.32	0.62	0.02	0.01	0.34	0.28	33.63
MKML-07/02	6.00	7.00	1.00	42.75	0.48	20.61	1.73	0.91	0.02	0.01	0.33	0.36	32.62
MKML-07/03	7.00	8.00	1.00	42.29	0.38	22.25	1.55	0.69	0.03	0.04	0.38	0.35	31.75
MKML-07/04	8.00	9.00	1.00	41.40	0.41	23.75	1.64	0.74	0.03	0.01	0.28	0.37	31.16
MKML-07/05	9.00	10.00	1.00	41.12	0.46	23.67	1.84	1.02	0.03	0.02	0.31	0.38	30.96
MKML-07/06	10.00	11.00	1.00	41.31	0.50	21.88	2.43	1.05	0.04	0.02	0.46	0.55	31.48
MKML-07/07	11.00	12.00	1.00	39.79	0.63	24.17	2.72	1.25	0.04	0.01	0.51	0.62	29.97
MKML-07/08	12.00	13.00	1.00	40.98	0.46	24.30	2.00	0.85	0.03	0.01	0.43	0.47	30.30
MKML-07/09	13.00	14.00	1.00	41.32	0.44	23.38	1.66	0.83	0.03	0.02	0.35	0.38	31.40
MKML-07/10	14.00	15.00	1.00	42.39	0.44	21.14	1.95	0.82	0.03	0.01	0.45	0.45	32.15
MKML-07/11	15.00	16.00	1.00	41.05	0.43	23.96	1.84	0.80	0.03	0.01	0.42	0.42	30.83
MKML-07/12	16.00	17.00	1.00	42.08	0.45	22.06	1.91	0.75	0.03	0.02	0.50	0.43	31.57
MKML-07/13	17.00	18.00	1.00	39.14	0.56	25.67	2.44	1.02	0.03	0.02	0.43	0.58	29.89
MKML-07/14	18.00	19.00	1.00	39.41	0.69	24.66	2.65	1.33	0.04	0.02	0.56	0.59	29.78
MKML-07/15	19.00	20.00	1.00	41.14	0.57	23.06	2.15	1.01	0.04	0.01	0.45	0.49	30.89
MKML-07/16	20.00	21.00	1.00	42.07	0.58	21.06	2.28	0.97	0.04	0.02	0.43	0.54	31.79
MKML-07/17	21.00	22.00	1.00	42.84	0.48	20.95	1.92	0.74	0.03	0.01	0.31	0.46	32.01
MKML-07/18	22.00	23.00	1.00	51.29	0.34	6.95	0.76	0.37	0.01	0.22	0.12	0.18	39.26
MKML-07/19	23.00	24.00	1.00	49.21	0.34	10.21	1.02	0.43	0.02	0.03	0.13	0.23	38.21
MKML-07/20	24.00	25.00	1.00	48.57	0.34	11.76	0.95	0.44	0.02	0.01	0.11	0.21	37.53
MKML-07/21	25.00	26.00	1.00	48.05	0.33	12.76	0.93	0.48	0.02	0.01	0.12	0.20	36.98
MKML-07/22	26.00	27.00	1.00	44.66	0.40	18.63	1.39	0.81	0.02	0.13	0.11	0.30	33.43
MKML-07/23	27.00	28.00	1.00	43.92	0.45	20.42	1.56	0.66	0.02	0.03	0.15	0.35	32.25
MKML-07/24	28.00	29.00	1.00	44.06	0.46	19.88	1.67	0.68	<0.01	0.03	0.16	0.37	32.49
MKML-07/25	29.00	30.00	1.00	43.10	0.47	20.46	1.90	0.70	0.02	0.04	0.17	0.45	32.51
MKML-07/26	30.00	31.00	1.00	43.16	0.44	20.24	2.10	0.77	0.02	0.03	0.15	0.49	32.35
MKML-07/27	31.00	32.00	1.00	41.35	0.48	24.49	1.93	0.74	0.03	0.02	0.15	0.45	30.24
MKML-07/28	32.00	33.00	1.00	43.52	0.44	20.42	1.73	0.62	0.02	0.04	0.20	0.40	32.40
MKML-07/29	33.00	34.00	1.00	44.55	0.48	17.92	1.70	0.70	0.02	0.06	0.25	0.39	33.71
MKML-07/30	34.00	35.00	1.00	44.65	0.48	18.04	1.75	0.67	0.02	0.06	0.28	0.41	33.46
MKML-07/31	35.00	36.00	1.00	43.94	0.45	19.79	1.64	0.69	0.02	0.05	0.24	0.39	32.61
MKML-07/32	36.00	37.00	1.00	43.40	0.49	20.39	1.91	0.71	0.02	0.05	0.25	0.46	32.15
MKML-07/33	37.00	38.00	1.00	43.48	0.42	20.75	1.77	0.76	0.02	0.08	0.31	0.41	31.83
MKML-07/34	38.00	39.00	1.00	43.16	0.48	20.81	1.88	0.75	0.02	0.07	0.27	0.43	31.93
MKML-07/35	39.00	40.00	1.00	41.53	0.53	22.86	2.32	0.79	0.03	0.07	0.34	0.52	30.84
MKML-07/36	40.00	41.00	1.00	43.38	0.41	21.28	1.46	0.53	0.03	0.07	0.21	0.32	32.16
MKML-07/37	41.00	42.00	1.00	43.43	0.57	18.77	2.49	0.75	0.03	0.05	0.38	0.56	32.79
MKML-07/38	42.00	43.00	1.00	48.60	0.39	13.28	1.11	0.40	0.03	0.03	0.09	0.26	35.73
MKML-07/39	43.00	44.00	1.00	50.58	0.43	9.70	1.01	0.41	0.02	0.03	0.04	0.22	37.46
MKML-07/40	44.00	45.00	1.00	51.01	0.48	8.69	1.05	0.46	0.03	0.03	0.04	0.22	37.86
MKML-07/41	45.00	46.00	1.00	52.40	0.45	7.07	0.82	0.37	0.02	0.02	0.04	0.17	38.54
MKML-07/42	46.00	47.00	1.00	51.79	0.45	7.04	0.83	0.39	0.01	0.10	0.05	0.15	38.85
MKML-07/43	47.00	48.00	1.00	51.98	0.64	6.41	0.95	0.55	0.03	0.03	0.05	0.16	39.11
MKML-07/44	48.00	49.00	1.00	51.54	0.64	6.85	0.92	0.52	0.02	0.05	0.05	0.16	39.16
MKML-07/45	49.00	50.00	1.00	52.09	0.68	6.40	0.79	0.55	0.02	0.03	0.05	0.12	39.19

BOREHOLE No. MKML-08

Sample Number	Depth (m)		Thick (m)	CaO %	MgO %	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	Na ₂ O ₃ %	SiO ₃ %	P ₂ O ₅ %	K ₂ O %	LOI %
	From	To											
MKML-08/01	2.40	3.00	0.60	42.35	0.55	23.66	1.42	0.87	0.04	0.02	0.43	0.28	30.17
MKML-08/02	3.00	4.00	1.00	43.09	0.43	23.54	1.05	0.62	0.05	0.02	0.47	0.21	30.31
MKML-08/03	4.00	5.00	1.00	43.18	0.44	23.27	1.21	0.66	0.04	0.02	0.50	0.28	30.19
MKML-08/04	5.00	6.00	1.00	43.71	0.45	21.72	1.43	0.70	0.04	0.02	0.56	0.34	30.84
MKML-08/05	6.00	7.00	1.00	43.95	0.39	21.87	1.06	0.63	0.04	0.01	0.43	0.24	31.20
MKML-08/06	7.00	8.00	1.00	45.47	0.39	18.64	1.24	0.55	0.04	0.01	0.39	0.30	32.76
MKML-08/07	8.00	9.00	1.00	45.29	0.37	18.82	1.32	0.53	0.05	0.01	0.46	0.34	32.68
MKML-08/08	9.00	10.00	1.00	42.61	0.66	21.37	1.73	1.16	0.04	0.06	0.56	0.35	31.16
MKML-08/09	10.00	11.00	1.00	47.37	0.34	14.42	0.97	0.48	0.03	0.03	0.32	0.23	35.60
MKML-08/10	11.00	12.00	1.00	46.62	0.39	15.20	1.25	0.60	0.04	0.02	0.37	0.32	34.96
MKML-08/11	12.00	13.00	1.00	47.01	0.42	13.88	1.43	0.62	0.05	0.01	0.44	0.35	35.65
MKML-08/12	13.00	14.00	1.00	46.13	0.42	15.53	1.53	0.88	0.06	0.17	0.44	0.39	34.40
MKML-08/13	14.00	15.00	1.00	46.74	0.36	14.83	1.31	0.52	0.06	0.01	0.36	0.33	35.30
MKML-08/14	15.00	16.00	1.00	45.93	0.43	15.38	1.97	0.69	0.06	0.01	0.73	0.53	34.04
MKML-08/15	16.00	17.00	1.00	44.46	0.50	18.66	1.94	0.92	0.06	0.01	0.44	0.48	32.32
MKML-08/16	17.00	18.00	1.00	43.79	0.58	19.90	2.33	1.05	0.06	0.02	0.45	0.60	31.01
MKML-08/17	18.00	19.00	1.00	43.71	0.43	19.75	1.68	0.76	0.05	0.03	0.46	0.43	32.47
MKML-08/18	19.00	20.00	1.00	43.62	0.54	18.99	2.00	0.99	0.06	0.02	0.49	0.51	32.54
MKML-08/19	20.00	21.00	1.00	39.45	0.70	24.43	3.36	1.37	0.10	0.02	0.55	0.96	28.74
MKML-08/20	21.00	22.00	1.00	40.53	0.58	23.62	2.73	1.28	0.11	0.25	0.67	0.72	29.31
MKML-08/21	22.00	23.00	1.00	38.07	0.73	26.25	3.57	1.70	0.14	0.29	0.78	1.00	27.29
MKML-08/22	23.00	24.00	1.00	38.97	0.71	25.12	3.30	1.34	0.12	0.08	0.49	0.89	28.61
MKML-08/23	24.00	25.00	1.00	40.02	0.62	24.78	2.81	1.18	0.12	0.03	0.41	0.76	29.00
MKML-08/24	25.00	26.00	1.00	40.95	0.61	23.26	2.60	1.13	0.11	0.05	0.50	0.67	29.82
MKML-08/25	26.00	27.00	1.00	40.00	0.65	25.05	2.64	1.34	0.11	0.12	0.50	0.68	28.68
MKML-08/26	27.00	28.00	1.00	42.37	0.53	21.75	1.91	0.94	0.09	0.04	0.43	0.48	31.26
MKML-08/27	28.00	29.00	1.00	40.64	0.62	23.42	2.75	1.18	0.12	0.07	0.51	0.75	29.70
MKML-08/28	29.00	30.00	1.00	41.73	0.53	22.15	2.35	0.90	0.12	0.05	0.54	0.64	30.83
MKML-08/29	30.00	31.00	1.00	40.80	0.59	23.72	2.37	1.07	0.11	0.05	0.49	0.60	29.96
MKML-08/30	31.00	32.00	1.00	41.74	0.54	22.36	2.25	0.91	0.09	0.05	0.60	0.60	30.67
MKML-08/31	32.00	33.00	1.00	40.71	0.56	24.34	2.09	0.99	0.09	0.02	0.47	0.53	29.79
MKML-08/32	33.00	34.00	1.00	47.40	0.44	13.37	1.56	0.59	0.07	0.17	0.29	0.40	35.31
MKML-08/33	34.00	35.00	1.00	42.30	0.59	21.13	2.54	0.94	0.09	0.02	0.53	0.68	30.91
MKML-08/34	35.00	36.00	1.00	51.83	0.31	9.39	0.74	0.28	0.03	0.01	0.13	0.19	36.98
MKML-08/35	36.00	37.00	1.00	49.34	0.37	10.89	0.91	0.48	0.03	0.01	0.11	0.20	37.56
MKML-08/36	37.00	38.00	1.00	49.44	0.38	10.88	0.93	0.54	0.03	0.01	0.11	0.21	37.38
MKML-08/37	38.00	39.00	1.00	47.47	0.35	14.40	0.96	0.52	0.04	0.01	0.09	0.24	35.84
MKML-08/38	39.00	40.00	1.00	43.26	0.48	20.23	1.73	0.80	0.06	0.04	0.18	0.40	32.59
MKML-08/39	40.00	41.00	1.00	43.45	0.42	19.76	1.74	0.64	0.07	0.05	0.15	0.43	33.09
MKML-08/40	41.00	42.00	1.00	43.81	0.38	20.17	1.40	0.61	0.06	0.05	0.14	0.33	32.92
MKML-08/41	42.00	43.00	1.00	43.49	0.37	20.94	1.32	0.56	0.06	0.12	0.13	0.31	32.36
MKML-08/42	43.00	44.00	1.00	42.90	0.49	20.50	1.99	0.78	0.07	0.04	0.17	0.49	32.35
MKML-08/43	44.00	45.00	1.00	41.96	0.51	22.28	2.11	0.81	0.07	0.03	0.22	0.53	31.34
MKML-08/44	45.00	46.00	1.00	45.16	0.40	18.20	1.50	0.71	0.07	0.07	0.19	0.37	33.17
MKML-08/45	46.00	47.00	1.00	44.82	0.38	17.76	1.49	0.61	0.07	0.04	0.22	0.36	34.06
MKML-08/46	47.00	48.00	1.00	44.24	0.42	18.77	1.69	0.73	0.06	0.07	0.28	0.39	33.22
MKML-08/47	48.00	49.00	1.00	43.57	0.43	19.87	1.75	0.72	0.07	0.04	0.26	0.41	32.76
MKML-08/48	49.00	50.00	1.00	44.53	0.35	19.38	1.15	0.54	0.06	0.04	0.18	0.26	33.39