

**Statement Showing run-wise lithologs of boreholes MKML-03, 04 and 06 drilled by MECL, Malkhed - 1 North Block,
Kalaburagi District, Karnataka.
BOREHOLE NO MKML-03**

Northing 1901250.957
 Easting 730421.001
 R.L.(m): 401.409

Date of Commencement: 17.02.2025
 Date of Closure: 19.02.2025
 Angle of Borehole: Vertical
 Core size: NQ

Run (m)			Rec. Thick (m)	Rec. (%)	Floor Depth Rl (m)	Lithology	Colour	Structural/ Nature Details	Remarks
From	To	Run (m)							
0.00	3.60	3.60	1.00	27.78	3.60	Sticky Soil	Blackish Brown	Loose	Less Recovery
3.60	5.00	1.40	1.20	85.71	5.00	Limestone	Greyish white	Broken and medium hard	Horizontal weak planes with silica
5.00	7.00	2.00	1.90	95.00	7.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
7.00	8.00	1.00	0.95	95.00	8.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes
8.00	11.00	3.00	3.00	100.00	11.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
11.00	14.00	3.00	3.00	100.00	14.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
14.00	17.00	3.00	3.00	100.00	17.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
17.00	20.00	3.00	3.00	100.00	20.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
20.00	23.00	3.00	3.00	100.00	23.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica
23.00	26.00	3.00	3.00	100.00	26.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica
26.00	29.00	3.00	3.00	100.00	29.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
29.00	32.00	3.00	3.00	100.00	32.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
32.00	35.00	3.00	3.00	100.00	35.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
35.00	38.00	3.00	3.00	100.00	38.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
38.00	41.00	3.00	2.90	96.67	41.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
41.00	44.00	3.00	2.80	93.33	44.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
44.00	47.00	3.00	3.00	100.00	47.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
47.00	50.00	3.00	3.00	100.00	50.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica

BOREHOLE NO MKML-04

Northing 1901326.327
 Easting 731885.667
 R.L.(m): 407.623

Date of Commencement: 21.02.2025
 Date of Closure: 24.02.2025
 Angle of Borehole: Vertical
 Core size: NQ

Run (m)			Rec. Thick (m)	Rec. (%)	Floor Depth RI (m)	Lithology	Colour	Structural/ Nature Details	Remarks
From	To	Run (m)							
0.00	2.00	2.00	2.00	100.00	2.00	Sticky Soil	Black	Loose	Less Recovery
2.00	3.00	1.00	1.00	100.00	3.00	Limestone	Greyish white	Broken and medium hard	Horizontal weak planes with silica
3.00	5.00	2.00	1.90	95.00	5.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
5.00	8.00	3.00	2.85	95.00	8.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
8.00	11.00	3.00	3.00	100.00	11.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica
11.00	14.00	3.00	2.85	95.00	14.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica
14.00	17.00	3.00	3.00	100.00	17.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
17.00	20.00	3.00	3.00	100.00	20.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
20.00	23.00	3.00	3.00	100.00	23.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
23.00	26.00	3.00	2.85	95.00	26.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
26.00	29.00	3.00	3.00	100.00	29.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
29.00	32.00	3.00	3.00	100.00	32.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
32.00	35.00	3.00	3.00	100.00	35.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
35.00	38.00	3.00	3.00	100.00	38.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
38.00	41.00	3.00	2.90	96.67	41.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
41.00	44.00	3.00	2.80	93.33	44.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica

Run (m)			Rec. Thick (m)	Rec. (%)	Floor Depth Rl (m)	Lithology	Colour	Structural/ Nature Details	Remarks
From	To	Run (m)							
44.00	47.00	3.00	3.00	100.00	47.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica
47.00	50.00	3.00	3.00	100.00	50.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with little more silica

BOREHOLE NO MKML-06

Northing 1900529.041
 Easting 731941.010
 R.L.(m): 407.052

Date of Commencement: 06.03.2025
 Date of Closure: 09.03.2025
 Angle of Borehole: Vertical
 Core size: NQ

Run (m)			Rec. Thick (m)	Rec. (%)	Floor Depth RI (m)	Lithology	Colour	Structural/ Nature Details	Remarks
From	To	Run (m)							
0.00	2.60	2.60	2.00	76.92	2.60	Sticky Soil	Blackish brown	Loose	Less Recovery
2.60	5.00	2.40	2.35	97.92	5.00	Limestone	Greyish white	Broken and medium hard	Horizontal weak planes with silica
5.00	8.00	3.00	2.90	96.67	8.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
8.00	11.00	3.00	2.75	91.67	11.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
11.00	14.00	3.00	2.90	96.67	14.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with silica
14.00	17.00	3.00	3.00	100.00	17.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
17.00	20.00	3.00	2.85	95.00	20.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
20.00	23.00	3.00	2.85	95.00	23.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with little more silica
23.00	26.00	3.00	3.00	100.00	26.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
26.00	29.00	3.00	3.00	100.00	29.00	Limestone	Greyish white	Medium hard Compact and few fractured	Horizontal weak planes with little more silica
29.00	32.00	3.00	3.00	100.00	32.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
32.00	35.00	3.00	3.00	100.00	35.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
35.00	37.00	2.00	1.60	80.00	37.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
37.00	38.50	1.50	1.10	73.33	38.50	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
38.50	40.00	1.50	1.00	66.67	40.00	Limestone	Greyish white	Sludge	
40.00	43.00	3.00	3.00	100.00	43.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica

Run (m)			Rec. Thick (m)	Rec. (%)	Floor Depth RI (m)	Lithology	Colour	Structural/ Nature Details	Remarks
From	To	Run (m)							
43.00	46.00	3.00	3.00	100.00	46.00	Limestone	Greyish white	Medium hard & fractured	Horizontal weak planes with little more silica
46.00	49.00	3.00	3.00	100.00	49.00	Limestone	Greyish white	Very hard compact & fractured	Horizontal weak planes with little more silica
49.00	50.00	1.00	1.00	100.00	50.00	Limestone	Greyish white	Very hard compact & fractured	Horizontal weak planes with little more silica