

**Statement Showing run-wise lithologs of boreholes MKML-01, 02 and 05 drilled by MECL, Malkhed - 1 South Block,
Kalaburagi District, Karnataka.
BOREHOLE NO MKML-01**

Northing 1899648.988
Easting 730396.477
R.L.(m): 411.490

Date of Commencement: 06.02.2025
Date of Closure: 11.02.2025
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	Blackish brown	Loose	Less Recovery
2.00	3.00	1.00	0.70	70.00	3.00	Limestone	Greyish white	Broken and fractured	Horizontal weak planes with silica
3.00	4.00	1.00	1.00	100.00	4.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
4.00	7.00	3.00	3.00	100.00	7.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
7.00	8.00	1.00	0.65	65.00	8.00	Limestone	Greyish white	Broken and fractured	Horizontal weak planes
8.00	11.00	3.00	2.50	83.33	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	2.83	94.33	23.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
23.00	26.00	3.00	2.50	83.33	26.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
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
32.00	35.00	3.00	3.00	100.00	35.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
35.00	38.00	3.00	3.00	100.00	38.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
38.00	41.00	3.00	3.00	100.00	41.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
41.00	44.00	3.00	3.00	100.00	44.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
44.00	47.00	3.00	3.00	100.00	47.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica
47.00	50.00	3.00	3.00	100.00	50.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica

BOREHOLE NO MKML-02

Northing 1900446.058
 Easting 730341.689
 R.L.(m): 403.730

Date of Commencement: 12.02.2025
 Date of Closure: 15.02.2025
 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	1.00	1.00	1.00	100.00	1.00	Sticky Soil	Blackish	Loose	Less Recovery
1.00	3.00	2.00	2.00	100.00	3.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
3.00	5.00	2.00	2.00	100.00	5.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
5.00	6.00	1.00	0.80	80.00	6.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
6.00	9.00	3.00	3.00	100.00	9.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
9.00	11.00	2.00	1.80	90.00	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 and Compact	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 and Compact	Horizontal weak planes
23.00	26.00	3.00	3.00	100.00	26.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
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 silica
32.00	35.00	3.00	3.00	100.00	35.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
35.00	38.00	3.00	3.00	100.00	38.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
38.00	41.00	3.00	3.00	100.00	41.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
41.00	44.00	3.00	3.00	100.00	44.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes
44.00	46.00	2.00	1.90	95.00	46.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
46.00	47.00	1.00	1.00	100.00	47.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes
47.00	50.00	3.00	2.85	95.00	50.00	Limestone	Greyish white	Hard & Compact, fractured	Horizontal weak planes with silica

BOREHOLE NO MKML-05

Northing 1899747.741
 Easting 732028.003
 R.L.(m): 407.052

Date of Commencement: 26.02.2025
 Date of Closure: 04.03.2025
 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	1.90	73.08	2.60	Sticky Soil	Blackish brown	Loose	Blackish clay with white clay stringes
2.60	5.00	2.40	2.10	87.50	5.00	Limestone	Greyish white	Broken and medium hard	Horizontal weak planes with little silica
5.00	8.00	3.00	3.00	100.00	8.00	Limestone	Greyish white	Hard & fractured	Horizontal weak planes with little silica
8.00	11.00	3.00	3.00	100.00	11.00	Limestone	Greyish white	Hard & fractured	Horizontal weak planes with silica
11.00	14.00	3.00	3.00	100.00	14.00	Limestone	Greyish white	Very 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	3.00	100.00	20.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
20.00	23.00	3.00	3.00	100.00	23.00	Limestone	Greyish white	Hard and Compact	Horizontal weak planes with silica
23.00	26.00	3.00	3.00	100.00	26.00	Limestone	Greyish white	Medium hard & fractured	More 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	More 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	More 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	More horizontal weak planes with little more silica
35.00	38.00	3.00	3.00	100.00	38.00	Limestone	Greyish white	Medium hard & fractured	More horizontal weak planes with little more silica
38.00	41.00	3.00	3.00	100.00	41.00	Limestone	Greyish white	Medium hard & fractured	More horizontal weak planes with little more silica
41.00	44.00	3.00	3.00	100.00	44.00	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)							
44.00	46.00	2.00	3.00	150.00	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 silica
49.00	50.00	1.00	1.00	100.00	50.00	Limestone	Greyish white	Very hard compact & fractured	Horizontal weak planes with silica