

**DETAILED LITHOLOG OF BOREHOLES DRILLED BY MECL IN MUNDRA-CHILAI BLOCK,  
DISTRICT: YAVATMAL, MAHARASHTRA  
BOREHOLE NO: MMC-01**

**Block Name** Mundra-Chilai  
**Location**  
**Northing (m)** 280995.781  
**Easting (m)** 2194905.050  
**Reduced Level (m)** 222.47

Date of commencement: 20.02.2025  
Date of Closure: 01.03.2025  
Borehole Azimuth: NA  
Borehole angle: 90 Degrees  
Depth: 50 m

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
0.00	1.00	1.00	80.0	1.00	0.00	1.00	1.00		Top Soil	Greyish white		NW Casing 24.00m
1.00	2.00	1.00	75.0	1.00	1.00	2.00	1.00		Top Soil	Greyish white		
2.00	3.00	1.00	80.0	0.50	2.00	2.50	0.50		Top Soil	Greyish white		
				0.50	2.50	3.00	0.50		Dolomite	Whitish grey		
3.00	4.00	1.00	100.0	0.50	3.00	3.50	0.50		Dolomite in powdery form	Whitish	Fractured	
				0.50	3.50	4.00	0.50		Dolomite	Whitish		
4.00	6.00	2.00	100.0	2.00	4.00	5.50	2.00	80.50	Dolomite	Whitish grey		
6.00	8.00	2.00	92.5	2.00	5.50	6.50	1.00	26.50	Dolomite	Whitish grey		
8.00	10.00	2.00	95.0	2.00	6.50	9.50	3.00	54.00	Dolomite	Whitish grey		
10.00	13.00	3.00	100.0	3.00	9.50	12.50	3.00	74.67	Dolomite	Whitish grey		
13.00	15.00	2.00	100.0	2.00	12.50	15.00	2.00	58.50	Dolomite	Whitish grey		
15.00	18.00	3.00	96.7	0.35	15.00	15.35	0.35	21.33	Dolomite with sludge	Brown	Cavity	
				2.65	15.35	18.00	2.65		Dolomite	Whitish	Fractured	
18.00	20.00	2.00	100.0	2.00	18.00	20.00	2.00	88.00	Dolomite	Whitish		
20.00	23.00	3.00	100.0	3.00	20.00	23.00	3.00	70.67	Dolomite	Light grey		
23.00	25.00	2.00	100.0	2.00	23.00	25.00	2.00	5.50	Dolomite	Light grey	Fractured	
25.00	28.00	3.00	96.7	3.00	25.00	28.00	3.00	20.00	Dolomite	Light grey		
28.00	30.00	2.00	97.5	2.00	28.00	30.00	2.00	32.00	Dolomite	Light grey	Fractured	
30.00	33.00	3.00	100.0	3.00	30.00	33.00	3.00	47.67	Dolomite	Light grey	Fractured	
33.00	35.00	2.00	100.0	2.00	33.00	35.00	2.00	52.50	Dolomite	Light grey	Fractured	

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
35.00	38.00	3.00	100	3.00	35.00	38.00	3.00	65.67	Dolomite	Light grey	Hard	
38.00	40.00	2.00	100	2.00	38.00	41.00	3.00	92.00	Dolomite	Light grey		
40.00	43.00	3.00	100	3.00	41.00	42.00	1.00	29.00	Dolomite	Light grey	Fractured	
43.00	45.00	2.00	100	2.00	42.00	45.00	3.00	22.00	Dolomite	Light grey	Fractured	
45.00	47.00	2.00	100	2.00	45.00	47.00	2.00	39.00	Dolomite	Light grey	Fractured	
47.00	50.00	3.00	100	3.00	47.00	50.00	3.00	39.00	Dolomite	Light grey	Fractured	
TOTAL		50.00	97.70				50.00					

### **BOREHOLE NO: MMC-02**

**Block Name**           Mundra-Chilai  
**Location**  
**Northing (m)**        282611.194  
**Easting (m)**         2195534.208  
**Reduced Level(m)**   199.164

Date of commencement: 03.03.2025  
Date of Closure: 13.03.2025  
Borehole Azimuth: NA  
Borehole angle: 90 Degrees  
Depth: 50 m

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
0.00	1.00	1.00	80.00	1.00	0.00	1.00	1.00		Top soil with boulders	Light grey		NW Casing upto 26.00m
1.00	2.00	1.00	80.00	1.00	1.00	2.00	1.00		Top soil with boulders	Light grey		
2.00	3.00	1.00	70.00	1.00	2.00	3.00	1.00		Top soil	Light grey		
3.00	5.00	2.00	95.00	2.00	3.00	5.00	2.00		Dolomite	Light grey	Massive	
5.00	8.00	3.00	93.33	3.00	5.00	8.00	3.00	7.33	Dolomite	Light grey		
8.00	10.00	2.00	85.00	2.00	8.00	10.00	2.00	8.50	Dolomite	Light grey	Fractured	
10.00	12.00	2.00	60.00	2.00	10.00	12.00	2.00		Dolomite	Light grey	Highly Fractured	
12.00	14.00	2.00	60.00	2.00	12.00	14.00	2.00		Limestone (Cavity)	Light grey	Highly Fractured	
14.00	16.00	2.00	90.00	0.80	14.00	14.80	0.80	5.50	Limestone	Light grey	Highly Fractured	
				0.30	14.80	15.10	0.30		Shale	Light grey	Highly Fractured	
				0.30	15.10	15.40	0.30		Limestone	Light grey	Highly Fractured	
				0.10	15.40	15.50	0.10		Shale	Light grey	Highly Fractured	
				0.50	15.50	16.00	0.50		Limestone	Grey	Highly Fractured	
16.00	18.00	2.00	100	2.00	16.00	18.00	2.00		Limestone	Grey	Highly Fractured	
18.00	19.00	1.00	100	1.00	18.00	19.00	1.00		Dolomite	Grey	Highly Fractured	
19.00	20.00	1.00	100	1.00	19.00	20.00	1.00	14.00	Dolomite	Grey	Highly Fractured	
20.00	21.00	1.00	100	1.00	20.00	21.00	1.00		Dolomite	Grey	Highly Fractured	
21.00	22.00	1.00	100	1.00	21.00	22.00	1.00		Dolomite	Grey	Highly Fractured	
22.00	23.00	1.00	100	1.00	22.00	23.00	1.00		Dolomite	Grey	Fractured	
23.00	24.00	1.00	100	1.00	23.00	24.00	1.00		Dolomite	Light grey	Fractured	
24.00	25.00	1.00	100	1.00	24.00	25.00	1.00		Dolomite	Light grey	Highly Fractured	
25.00	26.00	1.00	100	1.00	25.00	26.00	1.00		Dolomite	Light grey	Highly Fractured	
26.00	27.00	1.00	100	1.00	26.00	27.00	1.00		Dolomite	Light grey	Highly Fractured	

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
27.00	28.00	1.00	100	1.00	27.00	28.00	1.00		Dolomite	Light grey	Highly Fractured	
28.00	29.00	1.00	100	1.00	28.00	29.00	1.00		Dolomite	Light grey	Highly Fractured	
29.00	30.00	1.00	100	1.00	29.00	30.00	1.00		Dolomite	Light grey	Highly Fractured	
30.00	32.00	2.00	100	2.00	30.00	32.00	2.00	10.00	Dolomite	Light grey	Highly Fractured	
32.00	33.00	1.00	100	1.00	32.00	33.00	1.00	11.00	Dolomite	Light grey	Fractured	
33.00	34.00	1.00	100	1.00	33.00	34.00	1.00	30.00	Dolomite	Light grey	Fractured	
34.00	35.00	1.00	100	1.00	34.00	35.00	1.00		Dolomite	Light grey	Fractured	
35.00	36.00	1.00	100	1.00	35.00	36.00	1.00	10.00	Dolomite	Light grey	Fractured	
36.00	37.00	1.00	100	1.00	36.00	37.00	1.00	31.00	Dolomite	Light grey	Fractured	
37.00	38.00	1.00	100	1.00	37.00	38.00	1.00	26.00	Dolomite	Light grey	Fractured	
38.00	39.00	1.00	100	1.00	38.00	39.00	1.00	45.00	Dolomite	Light grey	Massive	
39.00	40.00	1.00	100	1.00	39.00	40.00	1.00	60.00	Dolomite	Light grey	Massive	
40.00	42.00	2.00	90.00	2.00	40.00	42.00	2.00	32.00	Dolomite	Light grey	Fractured	
42.00	43.00	1.00	95.00	1.00	42.00	43.00	1.00	40.00	Dolomite	Light grey	Fractured	
43.00	44.00	1.00	90.00	1.00	43.00	44.00	1.00	10.00	Dolomite	Light grey	Fractured	
44.00	46.00	2.00	95.00	2.00	44.00	46.00	2.00	20.00	Dolomite	Light grey	Fractured	
46.00	48.00	2.00	85.00	2.00	46.00	48.00	2.00	10.50	Dolomite	Light grey	Highly Fractured	
48.00	49.00	1.00	85.00	1.00	48.00	49.00	1.00		Dolomite	Light grey	Fractured	
49.00	50.00	1.00	80.00	1.00	49.00	50.00	1.00		Dolomite	Light grey	Fractured	
<b>TOTAL</b>		<b>50.00</b>	<b>61.80</b>				<b>50.00</b>					

### **BOREHOLE NO: MMC-03**

**Block Name**            Mundra-Chilai  
**Location**  
**Northing (m)**        281982.667  
**Easting (m)**        2194862.294  
**Reduced Level (m)**   214.528

Date of commencement: 29.03.2025  
Date of Closure: 04.04.2025  
Borehole Azimuth: NA  
Borehole angle: 90 Degrees  
Depth: 50 m

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
0.00	1.00	1.00	50.00	1.00	0.00	1.00	1.00		Soil	Brown		NW Casing 3m
1.00	3.00	2.00	85.00	1.00	1.00	2.00	1.00		Dolomite	Whitish grey		
				1.00	2.00	3.00	1.00		Limestone	Whitish grey	Fractured	
3.00	5.00	2.00	95.00	2.00	3.00	5.00	2.00		Limestone	Whitish grey	Fractured	
5.00	8.00	3.00	96.67	1.00	5.00	6.00	1.00	11.33	Limestone	Whitish grey	Fractured	
				2.00	6.00	8.00	2.00		Dolomite	Whitish grey	Fractured	
8.00	10.00	2.00	95.00	2.00	8.00	10.00	2.00	5.50	Dolomite	Whitish grey	Fractured	
10.00	12.00	2.00	97.50	2.00	10.00	12.00	2.00	15.50	Dolomite	Whitish grey	Fractured	
12.00	14.00	2.00	95.00	2.00	12.00	14.00	2.00		Dolomite	Whitish grey	Fractured	
14.00	16.00	2.00	95.00	2.00	14.00	16.00	2.00	14.00	Dolomite	Whitish grey	Fractured	
16.00	19.00	3.00	98.33	3.00	16.00	19.00	3.00	8.33	Dolomite	Whitish grey	Fractured	
19.00	21.00	2.00	100	2.00	19.00	21.00	2.00	24.00	Dolomite	Whitish grey		
21.00	23.00	2.00	100	2.00	21.00	23.00	2.00	27.00	Dolomite	Whitish grey		
23.00	25.00	2.00	97.50	2.00	23.00	25.00	2.00	31.00	Dolomite	Whitish grey		
25.00	27.00	2.00	95.00	2.00	25.00	27.00	2.00	77.00	Dolomite	Whitish grey		
27.00	30.00	3.00	96.67	3.00	27.00	30.00	3.00	63.33	Dolomite	Whitish grey		
30.00	32.00	2.00	97.50	2.00	30.00	32.00	2.00	55.00	Dolomite	Whitish grey		
32.00	35.00	3.00	96.67	3.00	32.00	35.00	3.00	52.00	Dolomite	Whitish grey		
35.00	38.00	3.00	93.33	3.00	35.00	38.00	3.00	71.00	Dolomite	Whitish grey		
38.00	40.00	2.00	95.00	2.00	38.00	40.00	2.00	58.50	Dolomite	Whitish grey		
40.00	42.00	2.00	97.50	2.00	40.00	42.00	2.00	22.00	Dolomite	Light grey	Fractured	
42.00	45.00	3.00	63.33	3.00	42.00	45.00	3.00	9.67	Dolomite	Light grey	Fractured	
45.00	48.00	3.00	96.67	3.00	45.00	48.00	3.00	17.00	Dolomite	Whitish grey	Fractured	
48.00	50.00	2.00	90.00	2.00	48.00	50.00	2.00	27.50	Dolomite	Whitish grey	Fractured	
<b>TOTAL</b>		<b>50.00</b>	<b>92.90</b>				<b>50.00</b>					

### **BOREHOLE NO: MMC-04**

**Block Name**           Mundra-Chilai  
**Location**  
**Northing (m)**        282064.605  
**Easting (m)**         2196093.037  
**Reduced Level (m)**   203.173

Date of commencement: 14.04.2025  
Date of Closure: 17.04.2025  
Borehole Azimuth: NA  
Borehole angle: 90 Degrees  
Depth: 30 m

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
0.00	1.00	1.00	90.00	1.00	0.00	1.00	1.00		Soil	Dark Brown		NW Casing 6m
1.00	3.00	2.00	100	2.00	1.00	3.00	2.00		Soil	Dark Brown		
3.00	5.00	2.00	95.00	2.00	3.00	5.00	2.00		Soil	Dark Brown		
5.00	7.00	2.00	90.00	2.00	5.00	7.00	2.00		Soil	Dark Brown		
7.00	9.00	2.00	95.00	2.00	7.00	9.00	2.00		Sand	Dark Brown	Fine to medium grained	
9.00	12.00	3.00	96.67	1.60	9.00	10.60	1.60		Sand	Dark Brown	Fine to medium grained	
				1.40	10.60	12.00	1.40		Sandstone	Whitish	Fine to medium grained	
12.00	15.00	3.00	98.33	3.00	12.00	15.00	3.00	65.67	Sandstone	Whitish	Fine to medium grained	
15.00	18.00	3.00	100	3.00	15.00	18.00	3.00	77.33	Sandstone	Whitish	Fine to medium grained	
18.00	21.00	3.00	95.00	3.00	18.00	21.00	3.00	48.00	Sandstone	Whitish	Fine to medium grained	
21.00	24.00	3.00	93.33	1.00	21.00	22.00	1.00	37.00	Sandstone	Whitish	Fine to medium grained	
				1.00	22.00	23.00	1.00		Weathered Sandstone	Light yellow	Fine to medium grained	
				0.40	23.00	23.40	0.40		Coal	Black		
				0.20	23.40	23.60	0.20		Shale	Grey		
				0.40	23.60	24.00	0.40		Sandstone	Whitish	Fine to medium grained	
24.00	27.00	3.00	98.33	1.60	24.00	25.60	1.60	27.67	Sandstone	Whitish	Fine to medium grained	
				1.40	25.60	27.00	1.40		Sandstone	Light brown	Fine to medium grained	
27.00	30.00	3.00	95.00	1.00	27.00	28.00	1.00	31.67	Sandstone	Whitish	Fine to medium grained	
				2.00	28.00	30.00	2.00		Sandstone	Whitish	Fine to medium grained	
<b>TOTAL</b>		<b>30.00</b>	<b>96.00</b>				<b>30.00</b>					

**BOREHOLE NO: MMC-05**

**Block Name**           Mundra-Chilai  
**Location**  
**Northing (m)**        281504.915  
**Easting (m)**         2195597.263  
**Reduced Level (m)**   206.229

Date of commencement: 19.04.2025  
Date of Closure: 29.04.2025  
Borehole Azimuth: NA  
Borehole angle: 90 Degrees  
Depth: 50 m

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
0.00	1.00	1.00	95.00	1.00	0.00	1.00	1.00		Dolomite, Calcite Crystals	Whitish grey	Fractured	Casing NW 3.00m
1.00	3.00	2.00	100	2.00	1.00	3.00	2.00	6.50	Dolomite, Calcite Crystals	Whitish grey	Fractured	Minor Calcite crystals filling vugs and fracture planes within dolomitized limestone.
3.00	4.00	1.00	100	1.00	3.00	4.00	1.00		Dolomite, Calcite Crystals	Whitish grey	Fractured	
4.00	5.00	1.00	95.00	1.00	4.00	5.00	1.00	43.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
5.00	7.00	2.00	97.50	2.00	5.00	7.00	2.00	32.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
7.00	10.00	3.00	96.67	3.00	7.00	10.00	3.00	24.33	Dolomite, Calcite Crystals	Whitish grey	Fractured	
10.00	12.00	2.00	100	2.00	10.00	12.00	2.00	18.50	Dolomite, Calcite Crystals	Whitish grey	Fractured	
12.00	15.00	3.00	96.67	3.00	12.00	15.00	3.00	29.67	Dolomite, Calcite Crystals	Whitish grey	Fractured	
15.00	17.00	2.00	95.00	2.00	15.00	17.00	2.00	37.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
17.00	20.00	3.00	96.67	3.00	17.00	20.00	3.00	17.33	Limestone, Calcite Crystals	Whitish grey	Fractured	
20.00	23.00	3.00	96.67	3.00	20.00	23.00	3.00	11.67	Dolomite, Calcite Crystals	Whitish grey	Fractured	
23.00	25.00	2.00	95.00	2.00	23.00	25.00	2.00	6.50	Dolomite, Calcite Crystals	Whitish grey	Fractured	

Run (m)			Recovery %	Extra-polated Thick. (m)	Extrapolated (m)			RQD (%)	Lithology	Colour	Structures/Textures	Remarks
From	To	Thick			From	To	Thick-ness					
25.00	28.00	3.00	95.00	3.00	25.00	28.00	3.00	44.33	Dolomite, Calcite Crystals	Whitish grey	Fractured	Minor Calcite crystals filling vugs and fracture planes within dolomitized limestone.
28.00	30.00	2.00	95.00	2.00	28.00	30.00	2.00	17.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
30.00	32.00	2.00	95.00	2.00	30.00	32.00	2.00	38.50	Dolomite, Calcite Crystals	Whitish grey	Fractured	
32.00	34.00	2.00	97.50	2.00	32.00	34.00	2.00	5.00	Limestone, Calcite Crystals	Whitish grey	Fractured	
34.00	36.00	2.00	95.00	2.00	34.00	36.00	2.00		Limestone, Calcite Crystals	Whitish grey	Fractured	
36.00	37.00	1.00	90.00	1.00	36.00	37.00	1.00	12.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
37.00	40.00	3.00	95.00	3.00	37.00	40.00	3.00	8.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
40.00	42.00	2.00	95.00	2.00	40.00	42.00	2.00	34.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
42.00	45.00	3.00	96.67	3.00	42.00	45.00	3.00	21.67	Dolomite, Calcite Crystals	Whitish grey	Fractured	
45.00	47.00	2.00	97.50	2.00	45.00	47.00	2.00	5.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
47.00	50.00	3.00	100	3.00	47.00	50.00	3.00	52.00	Dolomite, Calcite Crystals	Whitish grey	Fractured	
<b>TOTAL</b>		<b>50.00</b>	<b>96.50</b>				<b>50.00</b>					