

Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara Maru Block for Glauconite, Phosphorite and REE, District-Kachchh, Gujarat											
BH NO.-MAMB-04											
Easting (m)		514947.648							Date of Commencement.:		01.01.202
Northing (m)		2601950.938							Date of Closure:		6
Collar R.L. (m)		74.484							Total Depth (m):		40.00
Section Line :		D-D'							Inclination:		Vertical
Run (m)			Recovered Thickness (m)	Core Size	Grain Size	Lithology	COLOR	Structural Features	Mineralization	Remarks	
From	To	Thickness									
0.00	1.00	1.00	0.50	NQ	Very fine grained to fine grained	Glauconitic Sandstone	Reddishbrown	Looses & Unconsolidated	Glauconitic Sandstone		
1.00	2.00	1.00	0.50	NQ	Very fine grained to fine grained	Glauconitic Sandstone	Reddishbrown	Looses & Unconsolidated	Glauconitic Sandstone		
			0.30	NQ	Very fine grained to fine grained	Glauconitic Sandstone	Reddishbrown	Friable, broken, Fgd	Glauconitic Sandstone		
2.00	3.00	1.00	0.70	NQ	Very fine grained to fine grained	Calcareous Sandstone	Reddishbrown	Friable, highly broken, Fgd	Calcareous Sandstone		
3.00	4.00	1.00	0.28	NQ	Finegrained to mediumgrained	Calcareous Sandstone	Brown	Fgd-Mgd, Hard, Compact	Calcareous Sandstone		
			0.29	NQ	Finegrained to mediumgrained	Calcareous Sandstone	Brown	Fgd-Mgd, Hard, Compact	Calcareous Sandstone		
4.00	5.00	1.00	0.50	NQ	Finegrained to mediumgrained	Glauconitic Sandstone	Greenishyellow	Fgd-Mgd, Hard, Compact, Broken at Places	Glauconitic Sandstone		
5.00	6.00	1.00	0.55	NQ	Finegrained to mediumgrained	Calcareous Sandstone	Greenishyellow	Fgd-Mgd, Hard, Compact, Broken at Places	Calcareous Sandstone		
6.00	7.00	1.00	0.55	NQ	Finegrained to mediumgrained	Calcareous Sandstone	Greenishyellow	Fgd-Mgd, Hard, Compact, Broken at Places	Calcareous Sandstone		
7.00	8.00	1.00	0.65	NQ	Finegrained to mediumgrained	Glauconitic Sandstone	Greenishyellow	Fgd-Mgd, Hard, Compact, Broken	Glauconitic Sandstone		
8.00	9.00	1.00	0.50	NQ	Finegrained to mediumgrained	Glauconitic Sandstone	Greenishyellow	Fgd-Mgd, Hard, Compact, Broken	Glauconitic Sandstone		
9.00	10.00	1.00	0.30	NQ	Finegrained to mediumgrained	Ferruginous sandstone	reddishyellow	Fgd-Mgd, Hard, Compact, Broken	Ferruginous sandstone		
10.00	11.00	1.00	0.40	NQ	Finegrained to mediumgrained	Ferruginous sandstone	reddishyellow	Hard and Compact, Broken at places	Ferruginous sandstone		
			0.45	NQ	Finegrained to mediumgrained	Ferruginous sandstone	reddishyellow	Hard and Compact, Broken at places	Ferruginous sandstone		
11.00	12.00	1.00	30.00	NQ	Veryfinegrained to finegrained	Ferruginous sandstone	reddishyellow	Hard and Compact	Ferruginous sandstone		
			50.00	NQ	Veryfinegrained to finegrained	Ferruginous sandstone	reddishyellow	Hard and Compact, Broken at places	Ferruginous sandstone		
12.00	13.00	1.00	0.40	NQ	Veryfinegrained to finegrained	Glauconitic sand stone with thin bands of Shale	Yellowishbrown	Hard and Compact, Broken at places	Glauconitic Sandstone		
			0.40	NQ	Veryfinegrained to finegrained	Glauconitic Sandstone	Greyishwhite	Friable, soft, Broken at places	Glauconitic Sandstone		
13.00	14.00	1.00	0.45	NQ	Veryfinegrained to finegrained	Glauconitic Sandstone with thin bands of Grey	Greyishbrown	Friable, soft, Broken at places	Glauconitic Sandstone		
			0.45	NQ	Veryfinegrained to finegrained	Glauconitic Sandstone	Yellowishbrown	Hard and Compact, Broken at places	Glauconitic Sandstone		
14.00	15.00	1.00	0.60	NQ	Veryfinegrained to finegrained	Shaly Sandstone	Yellow brown to Red	Hard and Compact, Broken at places	Shaly Sandstone		
			0.32	NQ	Clay to to finegrained	Shaly Sandstone	Grey	Hard and Compact, Fgd-Mgd, Broken at horizontal weak planes	Shaly Sandstone		
15.00	16.00	1.00	0.70	NQ	Clay to to finegrained	Shaly Sandstone	Grey	Hard and Compact, Broken at horizontal weak planes	Shaly Sandstone		
16.00	17.00	1.00	0.80	NQ	Clay to to finegrained	Shaly Sandstone	Grey	Hard and Compact, Broken at horizontal weak planes	Shaly Sandstone		
17.00	18.00	1.00	0.85	NQ	Clay to to finegrained	Shaly Sandstone	Grey	Hard and Compact, Broken at horizontal weak planes	Shaly Sandstone		
18.00	19.00	1.00	0.80	NQ	Clay to to finegrained	Shaly Sandstone	Grey	Hard and Compact, Broken at horizontal weak planes	Shaly Sandstone		
19.00	20.00	1.00	0.75	NQ	Clay to to finegrained	Calcareous sandstone	Greyishwhite	Fgd-Mgd, Hard and Compact, Broken at places	Calcareous sandstone		
20.00	21.00	1.00	0.80	NQ	Clay to to finegrained	Shaly Sandstone	Greyishwhite	Fgd-Mgd, Hard and Compact, Broken at places	Shaly Sandstone		
21.00	22.00	1.00	0.50	NQ	Clay to to finegrained	Shaly Sandstone	Grey to sandstone	Hard and Compact, Broken at horizontal weak planes	Shaly Sandstone		
22.00	23.00	1.00	0.80	NQ	Veryfinegrained to finegrained	Siliceous Sandstone	LightGrey	Hard and Compact, Broken at horizontal weak planes	Siliceous Sandstone		

Run (m)			Recovered Thickness (m)	Core Size	Grain Size	Lithology	COLOR	Structural Features	Mineralization	Remarks
From	To	Thickness								
23.00	24.00	1.00	0.90	NQ	Veryfinegrained to finegrained	Siliceous Sandstone	LightGrey	Hard and Compact, Broken at horizontal weak planes	Siliceous Sandstone	
24.00	25.00	1.00	0.85	NQ	Veryfinegrained to finegrained	Siliceous Sandstone	LightGrey	Hard and Compact, Broken at horizontal weak planes	Siliceous Sandstone	
25.00	26.00	1.00	0.95	NQ	Clay to to mediumgrained	Siliceous Sandstone	Greyishwhite	Fgd-Mgd, Hard, Compact	Siliceous Sandstone	
26.00	27.00	1.00	0.80	NQ	Clay to to mediumgrained	Glauconitic Sandstone with Thin lamination of shale	Whitishgrey	Fgd-Mgd, Hard, Compact	Glauconitic Sandstone	
27.00	28.00	1.00	0.47	NQ	Clay to to mediumgrained	Glauconitic Sandstone with Thin bands of shale	Whitishgrey	Fgd-Mgd, Hard, Compact	Glauconitic Sandstone	
			0.33	NQ	Clay to to mediumgrained	Glauconitic Sandstone with Thin bands of shale	Whitishgrey	Fgd-Mgd, Hard, Compact	Glauconitic Sandstone	
28.00	29.00	1.00	0.75	NQ	Clay to to mediumgrained	Shale with Calcareous Sandstone	Whitishgrey	Fgd-Mgd, Hard, Compact	Calcareous Sandstone	
29.00	30.00	1.00	0.98	NQ	Coarse grained to Veryfinegrained	Calcareous Sandstone	Lightgrey	Cgd-Vcgd, Hard, Compact, Gritty	Calcareous Sandstone	
30.00	31.00	1.00	0.95	NQ	Clay to to Coarsegrained	Calcareous Sandstone with intercalation bands of Grey Shale	Whitishgrey to Darkgrey	Cgd-Vcgd, Hard, Compact, Gritty	Calcareous Sandstone	
31.00	32.00	1.00	0.98	NQ	Clay to to Coarsegrained	Shaly Sandstone	Whitishgrey to Darkgrey	Cgd-Vcgd, Hard, Compact, Gritty	Shaly Sandstone	
32.00	33.00	1.00	0.95	NQ	Clay to to Coarsegrained	Shaly Sandstone	Whitishgrey to Darkgrey	Cgd-Vcgd, Hard, Compact, Gritty	Shaly Sandstone	
33.00	34.00	1.00	0.92	NQ	Clay to to Coarsegrained	Shaly Sandstone	Whitishgrey to Darkgrey	Cgd-Vcgd, Hard, Compact, Gritty	Shaly Sandstone	
34.00	35.00	1.00	1.00	NQ	Clay to to finegrained	Shaly Sandstone	Whitishgrey to Darkgrey	Hard compact & Broken at HZW Plane, Fractured Vertically	Shaly Sandstone	
35.00	36.00	1.00	0.95	NQ	Clay to to finegrained	Shaly Sandstone	Whitishgrey to Darkgrey	Hard compact & Broken at HZW Plane	Shaly Sandstone	
36.00	37.00	1.00	0.50	NQ	Veryfinegrained to mediumgrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Greenishgrey	Fgd-Mgd, Hard, compact	Shaly Sandstone	
			0.40	NQ	Veryfinegrained to mediumgrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Greenishgrey	Fgd-Mgd, Hard, compact	Shaly Sandstone	
37.00	38.00	1.00	1.00	NQ	Clay to to mediumgrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Dark Grey to White	Fgd-Mgd, Hard, compact	Shaly Sandstone	
38.00	39.00	1.00	0.90	NQ	Clay to to mediumgrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Dark Grey to White	Fgd-Mgd, Hard, compact	Shaly Sandstone	
39.00	40.00	1.00	0.48	NQ	Clay to to mediumgrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Dark Grey to White	Fgd-Mgd, Hard, compact	Shaly Sandstone	
			0.27	NQ	Coarsegrained to veryfinegrained	Shaly Sandstone with broken fragments of fossils of Bivalvia	Whitishgrey	Cgd-Vcgd, Hard, Compact, Gritty	Shaly Sandstone	
BH closed at 40.00m										