



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-01																
Easting (m)		498372.781											Date of Commencement.:		02.01.2026	
Northing (m)		2613753.855											Date of Closure:		05.01.2026	
Collar R.L. (m)		83.053											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness	Thickness													
0.00	0.40	0.40	0.40	0.40	100.00	0.40	0.40	NW	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling.		
0.40	1.00	0.60	0.60	0.60	100.00	0.60	1.00	NW	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling.		
1.00	1.60	0.60	0.60	0.60	100.00	0.60	1.60	NW	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling.		
1.60	2.00	0.40	0.40	0.40	100.00	0.40	2.00	NW	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling.		
2.00	2.60	0.60	0.60	0.60	100.00	0.60	2.60	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
2.60	3.00	0.40	0.40	0.40	100.00	0.40	3.00	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
3.00	4.00	1.00	0.95	0.95	95.00	0.95	4.00	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
4.00	5.00	1.00	0.90	0.90	90.00	0.90	5.00	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
5.00	6.00	1.00	0.95	0.95	95.00	0.95	6.00	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
6.00	7.00	1.00	0.75	0.95	95.00	0.80	7.00	NW	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Bedded, Friable		Dry Drilling, Grey Shale Dominated		
			0.20					NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Stratified, Friable				
7.00	7.50	0.50	0.45	0.45	90.00	0.50	7.50	NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Stratified, Friable				
7.50	8.00	0.50	0.40	0.40	80.00	0.50	8.00	NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Stratified, Friable				
8.00	8.50	0.50	0.50	0.50	100.00	0.50	8.50	NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Stratified, Friable				
8.50	9.00	0.50	0.25	0.45	90.00	0.30	9.00	NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Stratified, Friable				
			0.20						Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
9.00	10.00	1.00	0.90	0.90	90.00	1.00	10.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
10.00	11.00	1.00	0.98	0.98	98.00	1.00	11.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable, Cross Bedding	Glauconite Mineralization			
11.00	12.00	1.00	0.95	0.95	95.00	1.00	12.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
12.00	12.50	0.50	0.50	0.50	100.00	0.50	12.50	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable, Cross Bedding		Glauconitic Sandstone Dominated		
12.50	13.00	0.50	0.50	0.50	100.00	0.50	13.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable, Cross Bedding		Glauconitic Sandstone Dominated		
13.00	14.00	1.00	0.98	0.98	98.00	1.00	14.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
14.00	15.00	1.00	0.45	0.95	95.00	0.50	15.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable, Cross Bedding		Glauconitic Sandstone Dominated		
			0.50						Fine Grain	Shaly Sandstone.	Whitish Green	Bedded, Friable				
15.00	16.00	1.00	0.90	0.90	90.00	1.00	16.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable	Glauconite Mineralization			
16.00	17.00	1.00	0.90	0.90	90.00	1.00	17.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable	Glauconite Mineralization			
17.00	18.00	1.00	0.98	0.98	98.00	1.00	18.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable	Glauconite Mineralization			
18.00	19.00	1.00	0.95	0.95	95.00	1.00	19.00	NQ	Fine Grain	Shaly Sandstone.	Whitish Green	Bedded, Friable				
19.00	20.00	1.00	0.98	0.98	98.00	1.00	20.00	NQ	Fine Grain	Shaly Sandstone.	Whitish Green	Bedded, Friable				
20.00	21.00	1.00	0.95	0.95	95.00	1.00	21.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		
21.00	22.00	1.00	0.98	0.98	98.00	1.00	22.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		
22.00	23.00	1.00	0.98	0.98	98.00	1.00	23.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		
23.00	24.00	1.00	0.95	0.95	95.00	1.00	24.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		
24.00	25.00	1.00	0.98	0.98	98.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		
25.00	26.00	1.00	0.98	0.98	98.00	1.00	26.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated.		





Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-02

Easting (m)		495806.019												Date of Commencement.:		04.01.2026	
Northing (m)		2610604.181												Date of Closure:		10.01.2026	
Collar R.L. (m)		89.222												Total Depth (m):		23.00	
														Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks			
From	To	Thickness															
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NW	Medium Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling			
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NW	Medium Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling			
2.00	3.00	1.00	1.00	1.00	100.00	1.00	3.00	NW	Fine Grain	Shaly Sandstone.	Greyish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling			
3.00	4.00	1.00	0.95	0.95	95.00	1.00	4.00	NQ	Medium Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable		Dry Drilling			
4.00	5.00	1.00	0.80	0.80	80.00	1.00	5.00	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
5.00	6.00	1.00	0.80	0.80	80.00	1.00	6.00	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
6.00	7.00	1.00	0.80	0.80	80.00	1.00	7.00	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
7.00	7.50	0.50	0.45	0.45	90.00	0.50	7.50	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
7.50	8.00	0.50	0.50	0.50	100.00	0.50	8.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable					
8.00	9.00	1.00	0.80	0.80	80.00	1.00	9.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable					
9.00	10.00	1.00	0.80	0.80	80.00	1.00	10.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable					
10.00	11.00	1.00	0.90	0.90	90.00	1.00	11.00	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
11.00	12.00	1.00	0.10	0.95	95.00	0.10	12.00	NQ	Medium Grain	Weathered Ferruginous Sandstone	Reddish Brown	Stratified, Friable					
			0.85			0.90			Medium Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable					
12.00	13.00	1.00	0.80	0.80	80.00	1.00	13.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Bedded, Friable					
13.00	13.50	0.50	0.50	0.50	100.00	0.50	13.50	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Whitish Green	Bedded, Friable					
13.50	14.00	0.50	0.50	0.50	100.00	0.50	14.00	NQ	Medium Grain	Glauconitic Sandstone	Greyish Green	Bedded, Friable	Glauconite Mineralization				
14.00	14.50	0.50	0.47	0.47	94.00	0.50	14.50	NQ	Medium Grain	Glauconitic Sandstone	Greyish Green	Bedded, Friable	Glauconite Mineralization				
14.50	15.00	0.50	0.43	0.43	86.00	0.50	15.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
15.00	16.00	1.00	0.80	0.80	80.00	1.00	16.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
16.00	17.00	1.00	0.75	0.75	75.00	1.00	17.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
17.00	18.00	1.00	0.82	0.82	82.00	1.00	18.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
18.00	19.00	1.00	0.85	0.85	85.00	1.00	19.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
19.00	20.00	1.00	0.82	0.82	82.00	1.00	20.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
20.00	21.00	1.00	0.80	0.80	80.00	1.00	21.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
21.00	22.00	1.00	0.83	0.83	83.00	1.00	22.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					
22.00	23.00	1.00	0.80	0.80	80.00	1.00	23.00	NQ	Medium Grain	Grey Shale intercalated with Feldspathic Sandstone	Brownish Black	Stratified, Friable					

Borehole closed at a depth of 23.00 m due to the continuous encounter of feldspathic sandstone formation.



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-03

Easting (m)		502140.109											Date of Commencement.:		04.01.2026	
Northing (m)		2612810.888											Date of Closure:		06.01.2026	
Collar R.L. (m)		59.729											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	0.95	0.95	95.00	1.00	1.00	NQ	Medium Grain	Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling		
1.00	2.00	1.00	0.90	0.90	90.00	1.00	2.00	NQ	Medium Grain	Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization			
2.00	3.00	1.00	0.90	0.90	90.00	1.00	3.00	NQ	Medium Grain	Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization			
3.00	4.00	1.00	0.95	0.95	95.00	1.00	4.00	NQ	Medium Grain	Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization			
4.00	5.00	1.00	0.95	0.95	95.00	1.00	5.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
5.00	6.00	1.00	0.96	0.96	96.00	1.00	6.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
6.00	7.00	1.00	0.90	0.90	90.00	1.00	7.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
7.00	8.00	1.00	0.98	0.98	98.00	1.00	8.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
8.00	9.00	1.00	0.90	0.90	90.00	1.00	9.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
9.00	10.00	1.00	0.96	0.96	96.00	1.00	10.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable	Glauconite Mineralization			
10.00	11.00	1.00	0.97	0.97	97.00	1.00	11.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
11.00	12.00	1.00	0.98	0.98	98.00	1.00	12.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
12.00	13.00	1.00	0.99	0.99	99.00	1.00	13.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
13.00	14.00	1.00	0.95	0.95	95.00	1.00	14.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
14.00	15.00	1.00	0.90	0.90	90.00	1.00	15.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
15.00	16.00	1.00	0.95	0.95	95.00	1.00	16.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
16.00	17.00	1.00	0.70	0.85	85.00	0.70	17.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
			0.15			0.30			Fine Grain	Glauconitic Sandstone	Greyish Green	Loose, Friable	Glauconite Mineralization			
17.00	18.00	1.00	0.30	0.50	50.00	0.70	18.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Loose, Friable	Glauconite Mineralization			
			0.20			0.30			Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
18.00	19.00	1.00	0.55	0.95	95.00	0.60	19.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
			0.40			0.40			Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
19.00	20.00	1.00	0.40	1.00	100.00	1.00	20.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
			0.60			0.00	0.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
20.00	21.00	1.00	0.98	0.98	98.00	1.00	21.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
21.00	22.00	1.00	0.95	0.95	95.00	1.00	22.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
22.00	23.00	1.00	0.90	0.90	90.00	1.00	23.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
23.00	24.00	1.00	0.90	0.90	90.00	1.00	24.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
24.00	25.00	1.00	0.98	0.98	98.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
25.00	26.00	1.00	0.97	0.97	97.00	1.00	26.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
26.00	27.00	1.00	1.00	1.00	100.00	1.00	27.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
27.00	28.00	1.00	1.00	1.00	100.00	1.00	28.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
28.00	29.00	1.00	0.97	0.97	97.00	1.00	29.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
29.00	30.00	1.00	1.00	1.00	100.00	1.00	30.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		

Borehole closed at a depth of 30 m after achieving the targeted depth, encountering alternate bands of glauconitic sandstone and grey shale (shaly sandstone) formation



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-04

Easting (m)		498130.661											Date of Commencement.:		06.01.2026	
Northing (m)		2611513.096											Date of Closure:		08.01.2026	
Collar R.L. (m)		71.951											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NQ		Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling		
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NQ		Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization	Dry Drilling		
2.00	3.00	1.00	0.95	0.95	95.00	1.00	3.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable		Dry Drilling		
3.00	4.00	1.00	0.90	0.90	90.00	1.00	4.00	NQ	Medium Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable				
4.00	5.00	1.00	1.00	1.00	100.00	1.00	5.00	NQ	Medium Grain	Glauconitic Sandstone	Pinkish Yellowish Green	Stratified, Friable	Glauconite Mineralization			
5.00	6.00	1.00	0.95	0.95	95.00	1.00	6.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
6.00	7.00	1.00	0.95	0.95	95.00	1.00	7.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
7.00	8.00	1.00	0.90	0.90	90.00	1.00	8.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
8.00	9.00	1.00	0.95	0.95	95.00	1.00	9.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
9.00	10.00	1.00	0.95	0.95	95.00	1.00	10.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
10.00	11.00	1.00	0.90	0.90	90.00	1.00	11.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
11.00	12.00	1.00	0.96	0.96	96.00	1.00	12.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
12.00	13.00	1.00	0.96	0.96	96.00	1.00	13.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
13.00	14.00	1.00	0.50	1.00	100.00	0.50	14.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
			0.50			Fine Grain			Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
14.00	15.00	1.00	0.98	0.98	98.00	1.00	15.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
15.00	16.00	1.00	0.97	0.97	97.00	1.00	16.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
16.00	17.00	1.00	1.00	1.00	100.00	1.00	17.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
17.00	18.00	1.00	0.95	0.95	95.00	1.00	18.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
18.00	19.00	1.00	1.00	1.00	100.00	1.00	19.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
19.00	20.00	1.00	0.96	0.96	96.00	1.00	20.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
20.00	21.00	1.00	0.97	0.97	97.00	1.00	21.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable				
21.00	22.00	1.00	0.90	0.90	90.00	1.00	22.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
22.00	23.00	1.00	0.96	0.96	96.00	1.00	23.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
23.00	24.00	1.00	0.97	0.97	97.00	1.00	24.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
24.00	25.00	1.00	0.96	0.96	96.00	1.00	25.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
25.00	26.00	1.00	0.97	0.97	97.00	1.00	26.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
26.00	27.00	1.00	0.98	0.98	98.00	1.00	27.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
27.00	28.00	1.00	0.96	0.96	96.00	1.00	28.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
28.00	29.00	1.00	0.97	0.97	97.00	1.00	29.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			
29.00	30.00	1.00	0.95	0.95	95.00	1.00	30.00	NQ	Fine Grain	Glauconitic Sandstone	Greyish Green	Laminated, Friable	Glauconite Mineralization			

Borehole closed at a depth of 30 m after achieving the targeted depth in glauconitic sandstone formation.



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat																
BH NO.- MKAW-05																
Easting (m)		496362.780											Date of Commencement.:		07.01.2026	
Northing (m)		2608304.485											Date of Closure:		14.01.2026	
Collar R.L. (m)		85.249											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NW	Fine Grain	Glauconitic Sandstone	Whitish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling		
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NW	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling		
2.00	3.00	1.00	0.60	1.00	100.00	0.60	3.00	NQ	Fine Grain	Shaly Sandstone.	Whitish Green	Bedded, Friable				
			0.40			0.40			Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Laminated, Friable		Glauconitic Sandstone Dominated		
3.00	4.00	1.00	1.00	1.00	100.00	1.00	4.00	NQ	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Laminated, Friable		Glauconitic Sandstone Dominated		
4.00	5.00	1.00	0.95	0.95	95.00	1.00	5.00	NQ	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Laminated, Friable		Glauconitic Sandstone Dominated		
5.00	6.00	1.00	0.40	0.85	85.00	0.50	6.00	NQ	Fine Grain	Shaly Sandstone.	Greyish- Yellowish-Green	Laminated, Friable		Glauconitic Sandstone Dominated		
			0.45			0.50			Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
6.00	7.00	1.00	0.98	0.98	98.00	1.00	7.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
7.00	8.00	1.00	0.90	0.90	90.00	1.00	8.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
8.00	9.00	1.00	0.95	0.95	95.00	1.00	9.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
9.00	10.00	1.00	0.90	0.90	90.00	1.00	10.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
10.00	11.00	1.00	0.90	0.90	90.00	1.00	11.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
11.00	12.00	1.00	0.92	0.92	92.00	1.00	12.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
12.00	13.00	1.00	0.95	0.95	95.00	1.00	13.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
13.00	14.00	1.00	0.93	0.93	93.00	1.00	14.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
14.00	15.00	1.00	0.90	0.90	90.00	1.00	15.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
15.00	16.00	1.00	0.94	0.94	94.00	1.00	16.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
16.00	17.00	1.00	0.97	0.97	97.00	1.00	17.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
17.00	18.00	1.00	0.98	0.98	98.00	1.00	18.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.		
18.00	19.00	1.00	1.00	1.00	100.00	1.00	19.00	NQ	Coarse Grain	Feldspathic Sandstone	Greyish Green	Stratified, Compact, Fault Breccia				
19.00	20.00	1.00	1.00	1.00	100.00	1.00	20.00	NQ	Coarse Grain	Feldspathic Sandstone	Greyish Green	Stratified, Compact, Fault Breccia				
20.00	21.00	1.00	0.90	0.90	90.00	1.00	21.00	NQ	Coarse Grain	Feldspathic Sandstone	Greyish Green	Stratified, Compact				
21.00	22.00	1.00	0.95	0.95	95.00	1.00	22.00	NQ	Coarse Grain	Feldspathic Sandstone	Greyish Green	Stratified, Compact				
22.00	23.00	1.00	0.10	0.95	95.00	0.10	23.00	NQ	Coarse Grain	Feldspathic Sandstone	Greyish Green	Stratified, Friable				
			0.85			0.90			Fine Grain	Shaly Sandstone.	Greyish Green	Stratified, Friable		Glauconitic Sandstone Dominated		
23.00	24.00	1.00	0.80	0.80	80.00	1.00	24.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Stratified, Friable		Glauconitic Sandstone Dominated		
24.00	25.00	1.00	0.95	0.95	95.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Stratified, Friable		Glauconitic Sandstone Dominated		



Borehole closed at a depth of 30 m after achieving the targeted depth, encountering glauconitic sandstone formation.



BH NO.- MKAW-06																
Easting (m)		505104.468											Date of Commencement.:		08.01.2026	
Northing (m)		2613156.68											Date of Closure:		09.01.2026	
Collar R.L. (m)		53.625											Total Depth (m):		15.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
2.00	3.00	1.00	0.95	0.95	95.00	1.00	3.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
3.00	4.00	1.00	0.90	0.90	90.00	1.00	4.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
4.00	5.00	1.00	0.90	0.90	90.00	1.00	5.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Grey Shale Dominated.		
5.00	6.00	1.00	0.95	0.95	95.00	1.00	6.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated, Pyrite Mineralization in Natural Fracture Plains		
6.00	7.00	1.00	0.96	0.96	96.00	1.00	7.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
7.00	8.00	1.00	0.95	0.95	95.00	1.00	8.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
8.00	9.00	1.00	0.94	0.94	94.00	1.00	9.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
9.00	10.00	1.00	0.90	0.90	90.00	1.00	10.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
10.00	11.00	1.00	0.96	0.96	96.00	1.00	11.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
11.00	12.00	1.00	0.98	0.98	98.00	1.00	12.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
12.00	13.00	1.00	0.91	0.91	91.00	1.00	13.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
13.00	14.00	1.00	0.90	0.90	90.00	1.00	14.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
14.00	15.00	1.00	0.90	0.90	90.00	1.00	15.00	NQ	Fine Grain	Grey Shale	Dark Grey	Stratified, Compact		Pyrite Mineralization In natural Fracture Plains.		
Borehole closed at a depth of 15 m due to the continuous encounter of grey shale formation.																

Borehole closed at a depth of 15 m due to the continuous encounter of grey shale formation.



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-07

Easting (m)		498950.649												Date of Commencement.:		09.01.2026
Northing (m)		2607996.167												Date of Closure:		10.01.2026
Collar R.L. (m)		79.44												Total Depth (m):		25.00
														Inclination:		Vertical
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NQ	Coarse Grain	Ferruginous Sandstone	Reddish Brown	Stratified, Friable		Dry Drilling		
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NQ	Medium Grain	Ferruginous Sandstone	Reddish Brown	Stratified, Friable		Dry Drilling		
2.00	3.00	1.00	0.40	1.00	100.00	0.40	3.00	NQ	Medium Grain	Ferruginous Sandstone	Reddish Brown	Stratified, Friable		Dry Drilling		
			0.60			0.60		NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Bedded, Friable		Dry Drilling		
3.00	4.00	1.00	0.80	0.80	80.00	1.00	4.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Bedded, Friable				
4.00	5.00	1.00	0.80	0.80	80.00	1.00	5.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
5.00	6.00	1.00	0.82	0.82	82.00	1.00	6.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
6.00	7.00	1.00	0.81	0.81	81.00	1.00	7.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
7.00	8.00	1.00	0.83	0.83	83.00	1.00	8.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
8.00	9.00	1.00	0.80	0.80	80.00	1.00	9.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
9.00	10.00	1.00	0.80	0.80	80.00	1.00	10.00	NQ	Medium Grain	Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
10.00	11.00	1.00	0.95	0.95	95.00	1.00	11.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable				
11.00	12.00	1.00	0.98	0.98	98.00	1.00	12.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable				
12.00	13.00	1.00	0.96	0.96	96.00	1.00	13.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable				
13.00	14.00	1.00	0.94	0.94	94.00	1.00	14.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable				
14.00	15.00	1.00	0.95	0.95	95.00	1.00	15.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable				
15.00	16.00	1.00	0.50	0.97	97.00	0.50	16.00	NQ	Medium Grain	Ferruginous Sandstone	Reddish Brown	Bedded, Friable, Gritty				
			0.47			0.50			Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable, Gritty				
16.00	17.00	1.00	0.95	0.95	95.00	1.00	17.00	NQ	Medium Grain	Shaly Sandstone.	Reddish- Greyish Green	Stratified, Friable, Gritty				
17.00	18.00	1.00	0.80	0.80	80.00	1.00	18.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
18.00	19.00	1.00	0.75	0.75	75.00	1.00	19.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
19.00	20.00	1.00	0.72	0.72	72.00	1.00	20.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
20.00	21.00	1.00	0.71	0.71	71.00	1.00	21.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
21.00	22.00	1.00	0.71	0.71	71.00	1.00	22.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
22.00	23.00	1.00	0.72	0.72	72.00	1.00	23.00	NQ	Medium Grain	Ferruginous Sandstone	Pinkish White	Stratified, Friable				
23.00	24.00	1.00	0.98	0.98	98.00	1.00	24.00	NQ	Medium Grain	Weathered Feldspathic Sandstone	Whitish Brown	Stratified, Friable				
24.00	25.00	1.00	0.90	0.90	90.00	1.00	25.00	NQ	Medium Grain	Weathered Feldspathic Sandstone	Whitish Brown	Stratified, Friable				

Borehole closed at a depth of 25 m due to the continuous encounter of feldspathic sandstone formation.



Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-08

Easting (m)			500771.371											Date of Commencement.:		11.01.2026	
Northing (m)			2609469.696											Date of Closure:		11.01.2026	
Collar R.L. (m)			61.921											Total Depth (m):		30.00	
														Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks			
From	To	Thickness															
0.00	1.00	1.00	0.95	0.95	95.00	1.00	1.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable	Glauconite Mineralization	Dry Drilling			
1.00	2.00	1.00	0.95	0.95	95.00	1.00	2.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated, Dry Drilling			
2.00	3.00	1.00	0.97	0.97	97.00	1.00	3.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
3.00	4.00	1.00	0.98	0.98	98.00	1.00	4.00	NQ	Fine Grain	Shaly Sandstone.	Yellowish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
4.00	5.00	1.00	0.96	0.96	96.00	1.00	5.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
5.00	6.00	1.00	0.30	1.00	100.00	0.30	6.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
			0.70			Fine Grain			Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization					
6.00	7.00	1.00	0.30	1.00	100.00	0.30	7.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization				
			0.70			Fine Grain			Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated				
7.00	8.00	1.00	0.97	0.97	97.00	1.00	8.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
8.00	9.00	1.00	0.96	0.96	96.00	1.00	9.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
9.00	10.00	1.00	0.98	0.98	98.00	1.00	10.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
10.00	11.00	1.00	0.95	0.95	95.00	1.00	11.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
11.00	12.00	1.00	0.98	0.98	98.00	1.00	12.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
12.00	13.00	1.00	0.95	0.95	95.00	1.00	13.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated			
13.00	14.00	1.00	0.90	0.90	90.00	1.00	14.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
14.00	15.00	1.00	0.97	0.97	97.00	1.00	15.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
15.00	16.00	1.00	0.98	0.98	98.00	1.00	16.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
16.00	17.00	1.00	0.96	0.96	96.00	1.00	17.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
17.00	18.00	1.00	0.90	0.90	90.00	1.00	18.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
18.00	19.00	1.00	0.95	0.95	95.00	1.00	19.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
19.00	20.00	1.00	0.96	0.96	96.00	1.00	20.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
20.00	21.00	1.00	0.97	0.97	97.00	1.00	21.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
21.00	22.00	1.00	0.98	0.98	98.00	1.00	22.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
22.00	23.00	1.00	0.96	0.96	96.00	1.00	23.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
23.00	24.00	1.00	0.99	0.99	99.00	1.00	24.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
24.00	25.00	1.00	0.95	0.95	95.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Compact		Grey Shale Dominated			
25.00	26.00	1.00	0.96	0.96	96.00	1.00	26.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.			
26.00	27.00	1.00	0.98	0.98	98.00	1.00	27.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.			
27.00	28.00	1.00	0.95	0.95	95.00	1.00	28.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.			
28.00	29.00	1.00	0.97	0.97	97.00	1.00	29.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.			
29.00	30.00	1.00	0.96	0.96	96.00	1.00	30.00	NQ	Fine Grain	Shaly Sandstone.	Dark Grey	Laminated, Compact		Grey Shale Dominated.			
Borehole closed at a depth of 30 m after achieving the targeted depth, encountering grey shale with thin lamination of glauconitic sandstone (Shaly Sandstone).																	

Borehole closed at a depth of 30 m after achieving the targeted depth, encountering grey shale with thin lamination of glauconitic sandstone (Shaly Sandstone).



MECL

ANNEXURE-II/11 of 12

Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat

BH NO.- MKAW-09

Easting (m)		503758.156											Date of Commencement.:		12.01.2026	
Northing (m)		2609856.788											Date of Closure:		13.01.2026	
Collar R.L. (m)		48.903											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	0.95	0.95	95.00	1.00	1.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization			
1.00	2.00	1.00	0.96	0.96	96.00	1.00	2.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization			
2.00	3.00	1.00	0.85	0.85	85.00	1.00	3.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
3.00	4.00	1.00	0.96	0.96	96.00	1.00	4.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
4.00	5.00	1.00	0.97	0.97	97.00	1.00	5.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
5.00	6.00	1.00	0.96	0.96	96.00	1.00	6.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
6.00	7.00	1.00	0.97	0.97	97.00	1.00	7.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
7.00	8.00	1.00	0.90	0.90	90.00	1.00	8.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
8.00	9.00	1.00	0.95	0.95	95.00	1.00	9.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
9.00	10.00	1.00	0.90	0.90	90.00	1.00	10.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
10.00	11.00	1.00	0.96	0.96	96.00	1.00	11.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
11.00	12.00	1.00	0.90	0.90	90.00	1.00	12.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
12.00	13.00	1.00	0.95	0.95	95.00	1.00	13.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
13.00	14.00	1.00	0.90	0.90	90.00	1.00	14.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
14.00	15.00	1.00	0.90	0.90	90.00	1.00	15.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
15.00	16.00	1.00	0.98	0.98	98.00	1.00	16.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
16.00	17.00	1.00	0.97	0.97	97.00	1.00	17.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
17.00	18.00	1.00	0.90	0.90	90.00	1.00	18.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
18.00	19.00	1.00	0.90	0.90	90.00	1.00	19.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
19.00	20.00	1.00	0.90	0.90	90.00	1.00	20.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
20.00	21.00	1.00	0.80	0.80	80.00	1.00	21.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
21.00	22.00	1.00	0.90	0.90	90.00	1.00	22.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
22.00	23.00	1.00	0.88	0.88	88.00	1.00	23.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
23.00	24.00	1.00	0.93	0.93	93.00	1.00	24.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
24.00	25.00	1.00	0.89	0.89	89.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
25.00	26.00	1.00	0.95	0.95	95.00	1.00	26.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
26.00	27.00	1.00	0.85	0.85	85.00	1.00	27.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
27.00	28.00	1.00	0.90	0.90	90.00	1.00	28.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
28.00	29.00	1.00	0.50	0.50	50.00	1.00	29.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Loose, Friable		Glauconitic Sandstone Dominated		
29.00	30.00	1.00	0.70	0.70	70.00	1.00	30.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		

Borehole closed at a depth of 30 m after achieving the targeted depth, encountering alternate bands of glauconitic sandstone and grey shale (Shaly Sandstone) formation.

Statement showing run-wise lithologs of boreholes drilled by MECL in Ambara West Block for Glauconite, District-Kachchh, Gujarat																
BH NO.- MKAW-10																
Easting (m)		506217.223											Date of Commencement.:		13.01.2026	
Northing (m)		2606720.227											Date of Closure:		14.01.2026	
Collar R.L. (m)		61.587											Total Depth (m):		30.00	
													Inclination:		Vertical	
Run (m)			Recovered Thickness	Total REC.	Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology	Color	Structural Features	Mineralization	Remarks		
From	To	Thickness														
0.00	1.00	1.00	1.00	1.00	100.00	1.00	1.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling		
1.00	2.00	1.00	1.00	1.00	100.00	1.00	2.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Bedded, Friable	Glauconite Mineralization	Dry Drilling		
2.00	3.00	1.00	1.00	1.00	100.00	1.00	3.00	NQ	Fine Grain	Ferruginous Sandstone intercalated with Glauconitic Shale	Pinkish Yellowish Green	Bedded, Friable		Dry Drilling		
3.00	4.00	1.00	0.80	0.80	80.00	1.00	4.00	NQ	Fine Grain	Shaly Sandstone.	Reddish Yellowish Green	Bedded, Friable				
4.00	5.00	1.00	0.95	0.95	95.00	1.00	5.00	NQ	Fine Grain	Shaly Sandstone.	Reddish Yellowish Green	Bedded, Friable				
5.00	6.00	1.00	0.85	0.85	85.00	1.00	6.00	NQ	Fine Grain	Shaly Sandstone.	Reddish Yellowish Green	Bedded, Friable				
6.00	7.00	1.00	0.90	0.90	90.00	1.00	7.00	NQ	Fine Grain	Feldspathic Sandstone intercalated with Glauconitic Sandstone	Pinkish Yellowish Green	Bedded, Friable				
7.00	8.00	1.00	0.85	0.85	85.00	1.00	8.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
8.00	9.00	1.00	0.95	0.95	95.00	1.00	9.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
9.00	10.00	1.00	0.90	0.90	90.00	1.00	10.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
10.00	11.00	1.00	0.90	0.90	90.00	1.00	11.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
11.00	12.00	1.00	0.95	0.95	95.00	1.00	12.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
12.00	13.00	1.00	0.95	0.95	95.00	1.00	13.00	NQ	Fine Grain	Feldspathic Sandstone	Pinkish White	Stratified, Friable				
13.00	14.00	1.00	0.95	0.95	95.00	1.00	14.00	NQ	Fine Grain	Glauconitic Sandstone	Yellowish Green	Stratified, Friable	Glauconite Mineralization			
14.00	15.00	1.00	0.95	0.95	95.00	1.00	15.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
15.00	16.00	1.00	0.94	0.94	94.00	1.00	16.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
16.00	17.00	1.00	0.96	0.96	96.00	1.00	17.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
17.00	18.00	1.00	0.85	0.85	85.00	1.00	18.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
18.00	19.00	1.00	0.98	0.98	98.00	1.00	19.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
19.00	20.00	1.00	0.90	0.90	90.00	1.00	20.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
20.00	21.00	1.00	0.95	0.95	95.00	1.00	21.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
21.00	22.00	1.00	0.97	0.97	97.00	1.00	22.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
22.00	23.00	1.00	0.97	0.97	97.00	1.00	23.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
23.00	24.00	1.00	0.95	0.95	95.00	1.00	24.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
24.00	25.00	1.00	0.98	0.98	98.00	1.00	25.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
25.00	26.00	1.00	0.97	0.97	97.00	1.00	26.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
26.00	27.00	1.00	0.95	0.95	95.00	1.00	27.00	NQ	Fine Grain	Shaly Sandstone.	Greyish Green	Laminated, Friable		Glauconitic Sandstone Dominated		
27.00	28.00	1.00	0.94	0.94	94.00	1.00	28.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
28.00	29.00	1.00	0.98	0.98	98.00	1.00	29.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
29.00	30.00	1.00	0.98	0.98	98.00	1.00	30.00	NQ	Fine Grain	Glauconitic Sandstone	Whitish Green	Stratified, Friable	Glauconite Mineralization			
Borehole closed at a depth of 30 m after achieving the targeted depth, within glauconitic sandstone formation.																