

Statement showing run-wise lithologs of boreholes drilled by MECL in Parsada-Nawapara-Gurur (G-4 stage) block for Glauconitic Sandstone, District-Balod, Chhattisgarh

BH NO. MPN-01

Easting (m)			545431.929									Date of Commencement.:		06.04.2025	
Northing (m)			2285340.58									Date of Closure:		07.04.2025	
Collar R.L. (m)			328.114									Total Depth (m):		50m	
Section Line :			S1-S1'									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	3.00	3.00	1.00	33.33	1.50	1.50	NQ		top soil/sludge	Pale brown					
		3.00	0.50		1.50	3.00	NQ	Medium	Sandstone	Pale brown					
3.00	6.00	3.00	2.60	2.60	3.00	6.00	NQ	Medium	Sandstone	Greenish grey					
6.00	7.00	1.00	0.95	0.95	1.00	7.00	NQ	Medium	Sandstone	Greenish grey					
7.00	10.00	3.00	2.90	2.90	3.00	10.00	NQ	Medium	Sandstone	Greenish grey					
10.00	13.00	3.00	3.00	0.16	3.00	13.00	NQ	Medium	Sandstone	Greenish gray					
13.00	16.00	3.00	3.00	3.00	3.00	16.00	NQ	Medium to Coarse	Sandstone	Greyish					
16.00	19.00	3.00	3.00	3.00	3.00	19.00	NQ	Medium to Coarse	Sandstone	Greyish					
19.00	22.00	3.00	0.64	2.94		0.70	19.70	NQ	Medium to Coarse	Sandstone	Greyish				
			0.40			0.40	20.10	NQ	Medium to Coarse	Shale intercalated with sandstone	Dark Grey				
			1.00			1.00	21.10	NQ	Coarse	Sandstone	Greyish				
			0.90			0.90	22.00	NQ	Fine to Medium	Black shale	Black				
22.00	25.00	3.00	0.60	3.00		0.60	22.60	NQ	Fine to Medium	Black shale	Black				
			2.40			2.40	25.00	NQ	Medium	Sandstone	Greyish				
25.00	28.00	3.00	3.00	3.00	3.00	28.00	NQ	Medium	Sandstone	Greyish					
28.00	31.00	3.00	3.00	3.00	3.00	31.00	NQ	Medium	Sandstone	Greyish					
31.00	34.00	3.00	1.20	3.00		1.20	32.20	NQ	Medium to Coarse	Sandstone with thin shale bands	Greenish Grey				
			1.80			1.80	34.00	NQ	Coarse	Coarse Grained Sandstone	Greenish Grey				
34.00	37.00	3.00	3.00	3.00	3.00	37.00	NQ	Coarse	Coarse Grained Sandstone	Greenish Grey					
37.00	40.00	3.00	1.00	2.99		1.00	38.00	NQ	Coarse	Coarse Grained Sandstone	Greenish Grey	Hard & Compact			
			1.99			2.00	40.00	NQ	Coarse	ferruginousSandstone	Greenish Grey	Hard & Compact			
40.00	43.00	3.00	3.00	3.00	3.00	43.00	NQ	Coarse	ferruginousSandstone	Pinkish + Greenish Grey	Hard & Compact				
43.00	46.00	3.00	2.90	2.90	3.00	46.00	NQ	Coarse	ferruginousSandstone	Pinkish + Greenish Grey	Hard & Compact				
46.00	49.00	3.00	2.70	2.70	3.00	49.00	NQ	Coarse	ferruginousSandstone	Pinkish + Greenish Grey	Hard & Compact				
49.00	50.00	1.00	0.70	0.70	1.00	50.00	NQ	Coarse	ferruginousSandstone	Pinkish + Greenish Grey	Hard & Compact				

BH closed at 50.00m

BH NO. MPN-02

Easting (m)			543013.282											Date of Commencement.:		07.04.2025	
Northing (m)			2287203.387											Date of Closure:		08.04.2025	
Collar R.L. (m)			327.551											Total Depth (m):		28.00	
Section Line :			S2-S2'											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	3.00	3.00	0.50	1.50	50.00	2.00	2.00	NQ		top soil/sludge+ fragments	Pale brown						
			1.00			1.00	3.00	NQ	Medium	Broken and weathered Sandstone with iron leaching	Pale brown						
3.00	4.00	1.00	0.50	1.00	100.00	0.50	3.50	NQ	Medium	Broken and weathered Sandstone with iron leaching	Pale brown	Glauconite					
			0.50			0.50	4.00	NQ	Medium	Sandstone with Iron stain at places	Grey to buff						
4.00	7.00	3.00	2.80	2.80	93.33	3.00	7.00	NQ	Medium	Sandstone with Iron stain at places	Grey to buff						
7.00	10.00	3.00	2.85	2.85	95.00	3.00	10.00	NQ	Medium	Sandstone with Iron stain at places	Grey to buff						
10.00	13.00	3.00	2.97	2.97	99.00	3.00	13.00	NQ	Medium	Sandstone with Iron stain at places	Grey to buff						
13.00	16.00	3.00	2.48	2.96	98.67	2.50	15.50	NQ	Medium	Sandstone with Iron stain at places	Grey to buff						
			0.48			0.50	16.00	NQ	Medium	Sandstone with intercalation of shale	Grey						
16.00	19.00	3.00	1.98	2.98	99.33	2.00	18.00	NQ	Medium	Sandstone with intercalation of shale	Grey						
		3.00	1.00			1.00	19.00	NQ	Medium to fine	Black Shale with intercalation of sandstone at places	Dark Grey						
19.00	22.00	3.00	2.97	2.97	99.00	3.00	22.00	NQ	Medium to fine	Black Shale with intercalation of sandstone at places	Dark Grey						
22.00	25.00	3.00	2.98	2.98	99.33	3.00	25.00	NQ	Medium to fine	Black Shale with intercalation of sandstone at places	Dark Grey						
25.00	28.00	3.00	2.99	2.99	99.67	3.00	28.00	NQ	Medium to fine	Black Shale with intercalation of sandstone at places	Dark Grey						
BH closed at 28.00m																	

BH NO. MPN-03

Easting (m)		536093.635												Date of Commencement.:		10.06.2025	
Northing (m)		2287107.229												Date of Closure:		12.06.2025	
Collar R.L. (m)		338.495												Total Depth (m):		50m	
Section Line :		S3-S3'												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	3.00	3.00	0.30	0.30	10.00	3.00	3.00	NQ	Medium	Broken sandstone	Pale brown						
3.00	4.00	1.00	0.85	0.85	28.33	1.00	4.00		Medium	Weathered sandstone	Yellowish						
4.00	7.00	3.00	1.40	1.40	46.67	3.00	7.00		Medium	Glauconitic Sandstone	greyish green						
7.00	10.00	3.00	1.00	1.00	33.33	3.00	10.00		Medium	Glauconitic Sandstone	greyish green						
10.00	13.00	3.00	1.40	1.40	46.67	3.00	13.00		Medium	Glauconitic Sandstone	greyish green						
13.00	16.00	3.00	1.00	1.00	33.33	3.00	16.00		Medium	Glauconitic Sandstone	greyish green						
16.00	19.00	3.00	2.50	2.50	83.33	3.00	19.00		Medium	Glauconitic Sandstone	greyish green						
19.00	22.00	3.00	3.00	3.00	100.00	3.00	22.00		Medium	Glauconitic Sandstone	greyish green						
22.00	25.00	3.00	2.50	3.00	100.00	2.50	24.50		Medium	Glauconitic Sandstone	greyish green						
			0.50			0.50	25.00		Fine	Shale	greyish						
25.00	28.00	3.00	2.80	3.00	100.00	3.00	28.00		Fine	Shale	greyish						
28.00	31.00	3.00	3.00	3.00	100.00	3.00	31.00		Medium	Glauconitic Sandstone with Intercalation of shale	greyish green						
31.00	34.00	3.00	3.00	3.00	100.00	3.00	34.00		Medium	Glauconitic Sandstone with Intercalation of shale	greyish green		Glauconite				
34.00	37.00	3.00	1.75	3.00	100.00	1.75	35.75		Medium	Glauconitic Sandstone	greyish green						
			0.25			0.25	36.00		Fine	Shale	greyish						
			1.00			1.00	37.00		Medium	Glauconitic Sandstone	greyish white						
37.00	40.00	3.00	0.65	3.00	100.00	0.65	37.65		Medium	Glauconitic Sandstone	greyish white						
			1.20			1.20	38.85		Fine	Shale	greyish						
			1.15			1.15	40.00		Medium	Glauconitic Sandstone with Intercalation of shale	greyish white						
			0.30			2.90	96.67		0.34	40.34	Medium	Glauconitic Sandstone	greyish white				
40.00	43.00	3.00	2.60			2.66	43.00		Fine	Shale	greyish						
43.00	46.00	3.00	3.00	3.00	100.00	3.00	46.00		Medium	Glauconitic Sandstone	greyish white						
46.00	49.00	3.00	3.00	3.00	100.00	3.00	49.00		Medium	Glauconitic Sandstone	greyish white						
49.00	50.00	1.00	1.00	1.00	100.00	1.00	50.00		Medium	Glauconitic Sandstone	greyish white						

BH closed at 50.00m

Easting (m)		528092.24							Date of Commencement.:				12.06.2025		
Northing (m)		2288517.399							Date of Closure:				13.06.2025		
Collar R.L. (m)		328.664							Total Depth (m):				50m		
Section Line :		S4-S4'							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	4.00	4.00	2.20	3.00	55.00	4.00	4.00	NQ	Medium to Coarse	Broken sandstone	Reddish Brown	Glauconitic			
4.00	7.00	3.00	2.00			2.00	6.00		Medium to Coarse	Glauconitic Sandstone	Reddish Brown				
			0.50			0.50	6.50		Medium to Coarse	Glauconitic Sandstone	Grenish Grey				
			0.50			0.50	7.00		Medium to Coarse	Weathered Sandstone	Yellow				
7.00	10.00	3.00	1.76	2.76	92.00	1.90	8.90		Medium	Glauconitic Sandstone	Greyish				
			1.00			1.10	10.00		Medium	Glauconitic Sandstone	Yellow				
10.00	13.00	3.00	2.18			2.18	72.67		3.00	13.00	Medium			Glauconitic Sandstone	Yellow
13.00	16.00	3.00	2.10			2.15	15.15		Medium	Glauconitic Sandstone	Yellow				
			0.80	2.90	96.67	0.85	16.00		Fine	Shale	Greyish				
16.00	19.00	3.00	3.00			3.00	100.00		3.00	19.00	Fine			Shale	Greyish
19.00	22.00	3.00	3.00			3.00	100.00		3.00	22.00	Fine			Shale	Greyish
22.00	25.00	3.00	3.00			3.00	100.00		3.00	25.00	Medium			Shale	Greyish
25.00	28.00	3.00	3.00	3.00	100.00	3.00	28.00		Medium	Shale	Greivish				
28.00	31.00	3.00	3.00	3.00	100.00	3.00	31.00		Medium	Shale	Greyish				
31.00	34.00	3.00	3.00	3.00	100.00	3.00	34.00		Medium	Shale	Greyish				
34.00	37.00	3.00	3.00	3.00	100.00	3.00	37.00		Medium	Shale	Greyish				
37.00	40.00	3.00	1.10	2.94	98.00	1.12	38.12		Medium	Shale	Greyish				
			1.84			1.88	40.00		Medium	Glauconitic Sandstone	Greyish White				
40.00	43.00	3.00	0.80			0.81	40.81		Medium	Glauconitic Sandstone	Greyish White				
			1.50			1.53	42.34		Medium to fine	Glauconitic Sandstone with Intercalation of shale	Greyish				
			0.65	2.90	96.67	0.66	43.00	Medium	Glauconitic Sandstone	Greyish White					
43.00	46.00	3.00	2.90			3.00	46.00	Medium	Glauconitic Sandstone	Greyish White					
46.00	49.00	3.00	3.00			3.00	100.00	3.00	49.00	Medium	Glauconitic Sandstone	Greyish White			
49.00	50.00	1.00	1.00			1.00	100.00	1.00	50.00	Medium	Glauconitic Sandstone	Greyish White			
BH closed at 50.00m															

BH NO. MPN-05

Easting (m)			537846.539										Date of Commencement.:	14.06.2025
Northing (m)			2287420.23										Date of Closure:	15.06.2025
Collar R.L. (m)			338.073										Total Depth (m):	50m
Section Line :			S5-S5'										Inclination:	Vertical
Run (m)			Recovered Thickness	Total REC.					Recovery %	Extrapolated Thickness (m)	Extrapolated Depth (m)	Core Size	Grain Size	Lithology
From	To	Thickness												
0.00	3.00	3.00	1.10	1.10	36.67	3.00	3.00	NQ	Medium	Broken sandstone	Brown		Glaucinitic	
3.00	4.00	1.00	0.67	0.67	67.00	1.00	4.00		Medium	Broken sandstone	Brown			
4.00	7.00	3.00	2.70	2.70	90.00	3.00	7.00		Medium	Glaucinitic Sandstone	Brownish white			
7.00	10.00	3.00	2.80	2.80	93.33	3.00	10.00		Medium	Glaucinitic Sandstone	Brownish white			
10.00	13.00	3.00	2.80	2.80	93.33	3.00	13.00		Medium	Glaucinitic Sandstone	Brownish white and yellow			
13.00	16.00	3.00	3.00	3.00	100.00	3.00	16.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Brownish white			
16.00	19.00	3.00	3.00	3.00	100.00	3.00	19.00		Medium	Shale	Grey			
19.00	22.00	3.00	2.85	2.85	95.00	3.00	22.00		Medium	Shale	Grey			
22.00	25.00	3.00	3.00	3.00	100.00	3.00	25.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Grey			
25.00	28.00	3.00	3.00	3.00	100.00	3.00	28.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Grey			
28.00	31.00	3.00	1.80	1.80	60.00	3.00	31.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Grey			
31.00	34.00	3.00	2.40	3.00	100.00	2.40	33.40		Medium	Glaucinitic Sandstone with Intercalation of shale	Greyish white			
		3.00	0.60			0.60	34.00		Medium	Shale	Grey			
34.00	37.00	3.00	1.00	3.00	100.00	1.00	35.00		Medium	Shale	Grey			
			2.00			2.00	37.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Greyish white			
37.00	40.00	3.00	2.85	2.85	95.00	3.00	40.00		Medium	Glaucinitic Sandstone with Intercalation of shale	Greyish white			
40.00	43.00	3.00	3.00	3.00	100.00	3.00	43.00		Medium	Glaucinitic Sandstone	Greyish white			
43.00	46.00	3.00	3.00	3.00	100.00	3.00	46.00		Medium	Glaucinitic Sandstone	Greyish white			
46.00	49.00	3.00	3.00	3.00	100.00	3.00	49.00		Medium	Glaucinitic Sandstone	Greyish white			
49.00	50.00	1.00	1.00	1.00	100.00	1.00	50.00		Medium	Glaucinitic Sandstone	Greyish white			
BH closed at 50.00m														