

BOREHOLE WISE DETAILED LITHOLOGS OF WEST OF YEPALAMADHAVARAM BLOCK, SURYAPET DISTRICT, TELANGANA

BOREHOLE NO. MWYB-01

Block Name: West of Yepalamadhavaram Block (G3)

Location

Easting (m) : 384875.972

Northing (m) : 1854646.695

Reduced Level(m) : 73.235

Date of Commencement: 28.01.2026

Date of Closure: 31.01.2026

Borehole Azimuth: Vertical

Borehole Angle: 0

BH Depth(m): 50.00

Core size: NQ

RUN (m)			REC.	REC.	EXP.	RQD	RQD	LITHOLOGY	COLOUR	STRUCTURAL/ NATURE DETAILS	REMARKS
FROM	TO	Thick	THICK	%	THICK-	Thick	%				
0.00	3.00	3.00	0.70	23	3.00			Soil	Black		
3.00	6.00	3.00	2.45	82	3.00	0.42		Limestone	Grey White		
6.00	9.00	3.00	0.90	85	1.05	0.53		Limestone	Grey White		
			0.80		0.95			Limestone	Brown, Grey White		
			0.85		1.00			Limestone	Grey White		
9.00	12.00	3.00	2.70	90	3.00	0.34	11.33	Limestone	Grey White		
12.00	15.00	3.00	2.80	93	3.00	1.17	39.00	Limestone	Grey White		
15.00	18.00	3.00	2.80	93	3.00	1.51	50.33	Limestone	Grey White		
18.00	21.00	3.00	2.80	93	3.00	1.16	38.67	Limestone	Grey White		
21.00	24.00	3.00	2.80	93	3.00	1.04	34.67	Limestone	Grey White		
24.00	27.00	3.00	2.90	97	3.00	1.91	63.67	Limestone	Grey White		
27.00	30.00	3.00	2.80	93	3.00	1.53	51.00	Limestone	Grey White		
30.00	33.00	3.00	2.90	97	3.00	1.59	53.00	Limestone	Grey White		
33.00	36.00	3.00	2.80	93	3.00	1.66	55.33	Limestone	Grey White		
36.00	39.00	3.00	2.85	95	3.00	2.16	72.00	Limestone	Grey White		
39.00	42.00	3.00	2.75	92	3.00	2.00	66.67	Limestone	Grey White		
42.00	45.00	3.00	2.95	98	3.00	2.43	81.00	Limestone	Grey White		
45.00	48.00	3.00	2.85	95	3.00	1.75	58.33	Limestone	Grey White		
48.00	50.00	2.00	1.80	90	2.00	1.11	55.50	Limestone	Grey White		

BOREHOLE NO. MWYB-02

Block Name: West of Yepalamadhavaram Block (G3)

Location

Easting (m) : 385374.649

Northing (m) : 1855180.923

Reduced Level(m) : 75.22

Date of Commencement: 20.02.2026

Date of Closure: 24.02.2026

Borehole Azimuth: Vertical

Borehole Angle: 0

BH Depth(m): 50.00

Core size: NQ

RUN (m)			REC.	REC.	EXP.	RQD	RQD	LITHOLOGY	COLOUR	STRUCTURAL/ NATURE DETAILS	REMARKS
FROM	TO	THICK.	THICK	%	THICK-	Thick	%				
0.00	3.00	3.00	1.00	33	3.00			Top Soil	Black		
3.00	6.00	3.00	2.65	100	2.65			Soil	Black		
			0.35		0.35			Limestone	Yellowish White	Broken	
6.00	9.00	3.00	0.77	100	0.77			Limestone	Yellowish White	Broken	
			2.23		2.23			Limestone	Yellowish White		Cavity
9.00	12.00	3.00	0.90	60	1.05			Limestone	Pinkish White		
			0.90		1.95			Limestone	Pinkish White		Loose, Cavity
12.00	15.00	3.00	2.10	70	3.00	0.52	17.33	Limestone	Pinkish White	Broken	Loose
15.00	18.00	3.00	1.90	63	3.00	0.73	24.33	Limestone	Yellowish White		
18.00	21.00	3.00	2.70	90	3.00	1.02	34.00	Limestone	Yellowish White		
21.00	24.00	3.00	2.70	90	3.00	1.01	33.67	Limestone	Yellowish White		
24.00	27.00	3.00	2.75	92	3.00	1.26	42.00	Limestone	Yellowish White		
27.00	30.00	3.00	2.90	97	3.00	1.01	33.67	Limestone	Yellowish White		
30.00	33.00	3.00	2.20	73	3.00	0.32	10.67	Limestone	Yellowish White		
33.00	36.00	3.00	2.10	70	3.00	0.42	14.00	Limestone	Yellowish White		
36.00	39.00	3.00	1.80	60	3.00	0.65	21.67	Limestone	Yellowish White		
39.00	42.00	3.00	2.10	70	3.00	1.01	33.67	Limestone	Yellowish White		
42.00	45.00	3.00	2.90	97	3.00	1.73	57.67	Limestone	Yellowish White		
45.00	48.00	3.00	2.10	100	2.10	1.49	49.67	Limestone	Grey White		Calcite bands
			0.90		0.90	0.57		Limestone	Yellowish White		
48.00	50.00	2.00	2.80	140	2.00	0.21	10.50	Limestone	Yellowish White	Broken	

BOREHOLE NO. MWYB-03

Block Name: West of Yepalamadhavaram Block (G3)

Location

Easting (m) : 384952.934

Northing (m) : 1856023.439

Reduced Level(m) : 82.22

Date of Commencement: 25.02.2026

Date of Closure: 28.02.2026

Borehole Azimuth: Vertical

Borehole Angle: 0

BH Depth(m): 50.00

Core size: NQ

RUN (m)			REC.	REC.	EXP.	RQD	RQD	LITHOLOGY	COLOUR	STRUCTURAL/ NATURE DETAILS	REMARKS
FROM	TO	THICK.	THICK	%	THICK-	Thick	%				
0.00	1.50	1.50	0.80	53	1.50			Soil	Black		
1.50	3.00	1.50	0.70	47	1.50	0	15.33	Limestone	White		
3.00	6.00	3.00	2.70	90	3.00	1	37.67	Limestone	White	Broken, Vertical fracture	
6.00	9.00	3.00	3.00	100	3.00	1	31.00	Limestone with shale bands	White		Cavity
9.00	12.00	3.00	2.90	97	3	1.66	55.33	Limestone with shale bands	White		
12.00	15.00	3.00	3.00	100	3	2.39	79.67	Limestone with shale bands	White		
15.00	18.00	3.00	2.90	97	3	2.06	68.67	Limestone	White		
18.00	21.00	3.00	1.00	100	1	0.77	25.67	Limestone	White		
			2.00		2	1.42		Limestone	Grey White		
21.00	24.00	3.00	2.90	97	3	2.06	68.67	Limestone	Greenish White		
24.00	27.00	3.00	2.90	97	3	2.14	71.33	Limestone	Greenish White	Vertical fracture	
27.00	30.00	3.00	2.90	97	3	1.8	60.00	Limestone	Greenish White		
30.00	33.00	3.00	2.90	97	3	1.42	47.33	Limestone	Greenish White		
33.00	36.00	3.00	3.00	100	3	2.69	89.67	Limestone	Greenish White		
36.00	39.00	3.00	3.00	100	3	2.45	81.67	Limestone	Greenish White		
39.00	42.00	3.00	3.00	100	3	2.49	83.00	Limestone	Greenish White		
42.00	45.00	3.00	3.00	100	2	2.45	81.67	Limestone	Greenish White		
					1			Shale	Grey		
45.00	48.00	3.00	3.00	100	3	1.6	53.33	Shale	Greenish Grey		
48.00	50.00	2.00	2.00	100	2	1.5	75.00	Shale	Pinkish grey		

BOREHOLE NO. MWYB-04

Block Name: West of Yepalamadhavaram Block (G3)

Location

Easting (m) : 385408.193

Northing (m) : 1856318.086

Reduced Level(m) : 79.993

Date of Commencement: 25.02.2026

Date of Closure: 27.02.2026

Borehole Azimuth: Vertical

Borehole Angle: 0

BH Depth(m): 50.00

Core size: NQ

RUN (m)			REC.	REC.	EXP.	RQD	RQD	LITHOLOGY	COLOUR	STRUCTURAL/ NATURE DETAILS	REMARKS
FROM	TO	THICK.	THICK	%	THICK-	Thick	%				
0.00	3.00	3.00	1.00	33	3.00			Soil	Black		
3.00	6.00	3.00	2.85	95	3.00			Limestone	White	Broken	Loose
6.00	9.00	3.00	2.70	90	3.00	2	65.33	Limestone	Pinkish White		Calcite band
9.00	12.00	3.00	2.70	90	3	1.85	61.67	Limestone	White		
12.00	15.00	3.00	2.70	90	3	1.6	53.33	Limestone	White		
15.00	18.00	3.00	2.70	90	3	2.35	78.33	Limestone	White		
18.00	21.00	3.00	2.60	87	3	1.74	58.00	Limestone	Grey White		
21.00	24.00	3.00	2.70	90	3	1.62	54.00	Limestone	Grey White	Vertical fracture	
24.00	27.00	3.00	3.00	100	3	2.17	72.33	Limestone	Grey White		
27.00	30.00	3.00	2.70	90	3	2.24	74.67	Limestone	Grey White		
30.00	33.00	3.00	2.70	90	3	1.94	64.67	Limestone	Grey White	Inclined fracture	
33.00	36.00	3.00	2.70	90	3	2.17	72.33	Limestone	Grey White		Calcite band
36.00	39.00	3.00	2.70	90	3	1.42	47.33	Limestone	Grey White	Inclined fracture	Calcite,
39.00	42.00	3.00	3.00	100	3	2.52	84.00	Limestone	Grey White		Calcite
42.00	45.00	3.00	3.00	100	3	2.23	74.33	Limestone	Grey White	Vertical fracture, Calcite	Calcite
45.00	48.00	3.00	3.00	100	3	1.67	55.67	Limestone	Grey White	Inclined fracture	
48.00	50.00	2.00	2.00	100	2	1.27	63.50	Limestone	Grey White	Inclined fracture	

BOREHOLE NO. MWYB-05

Block Name: West of Yepalamadhavaram Block (G3)

Location

Easting (m) : 386032.014

Northing (m) : 1856894.929

Reduced Level(m) : 85.33

Date of Commencement: 01.03.2026

Date of Closure: 03.03.2026

Borehole Azimuth: Vertical

Borehole Angle: 0

BH Depth(m): 50.00

Core size: NQ

RUN (m)			REC.	REC.	EXP.	RQD	RQD	LITHOLOGY	COLOUR	STRUCTURAL/ NATURE DETAILS	REMARKS
FROM	TO	THICK.	THICK	%	THICK-	Thick	%				
0.00	1.50	1.50	0.80	53	1.50			Soil	Black		
1.50	3.00	1.50	0.50	33	1.50			Limestone	White	Broken	With Calcite Bands
3.00	6.00	3.00	2.70	90	3.00	1	29.67	Limestone	White	Broken	With Calcite Bands
6.00	9.00	3.00	2.90	97	3.00	1	43.33	Limestone	Grey White	Inclined fracture	
9.00	12.00	3.00	3.00	100	3.00	1	36.00	Limestone	Grey White		
12.00	15.00	3.00	3.00	100	3	1.63	54.33	Limestone	Grey White		
15.00	18.00	3.00	3.00	100	3	1.57	52.33	Limestone	Grey White		
18.00	21.00	3.00	2.80	93	3	2.3	76.67	Limestone	Grey White	Inclined fracture	
21.00	24.00	3.00	3.00	100	3	2.08	69.33	Limestone	Grey		
24.00	27.00	3.00	3.00	100	3	2.32	77.33	Limestone	Grey		
27.00	30.00	3.00	2.70	90	3	2.17	72.33	Limestone	Grey		with Calcite bands
30.00	33.00	3.00	3.00	100		2.5	83.33	Limestone	Grey White		
33.00	36.00	3.00	3.00	100	3	1.91	63.67	Limestone	Grey White		
36.00	39.00	3.00	3.00	100	3	2.43	81.00	Limestone	Grey White		with Calcite bands
39.00	42.00	3.00	3.00	100	3	2.51	83.67	Limestone	White		Calcite
42.00	45.00	3.00	3.00	100	3	1.54	51.33	Limestone	White		Pinkish at places
45.00	48.00	3.00	3.00	100	3	1.75	58.33	Limestone	White		Pinkish at places
48.00	50.00	2.00	2.00	100	2	1.43	71.50	Limestone	Greenish White		