

**Lithologs of Jodhpur-Satapar Block, Devbhumi Dwarka**

Borehole No.	JS-8							Date of commencement		12/5/2023
Coordinates								Date of closure		12/8/2023
21°57'34.70"	69°17'32.20"							Final Depth		15.00
R.L.	37.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50				0.00	sludge	0.00	0.50	0.50
0.50	1.00	0.50				0.00	sludge	0.50	1.00	0.50
1.00	2.00	1.00	0.95	0.95	95.00	28.00	Aluminous Laterite	1.00	2.00	1.00
2.00	2.50	0.50	0.48	0.48	96.00	0.00	Aluminous Laterite	2.00	2.50	0.50
2.50	3.00	0.50	0.36	0.36	72.00	0.00	Aluminous Laterite	2.00	2.36	0.36
							sludge	2.36	3.00	0.64
3.00	4.50	1.50				0.00	sludge	3.00	4.50	1.50
4.50	5.00	0.50	0.34	0.34	68.00	0.00	Aluminous Laterite	4.50	4.84	0.34
							sludge	4.84	5.00	0.16
5.00	7.00	2.00				0.00	sludge	5.00	7.00	2.00
7.00	8.00	1.00	0.30	1.00	100.00	26.00	Aluminous Laterite	7.00	7.30	0.30
			0.17				sludge	7.30	7.47	0.17
			0.53				Aluminous Laterite	7.47	8.00	0.53
8.00	9.00	1.00	0.28	0.28	28.00	14.00	Aluminous Laterite	8.00	8.28	0.28
							sludge	8.28	9.00	0.72
9.00	10.00	1.00	0.97	0.97	97.00	18.00	Aluminous Laterite	9.00	10.00	1.00
10.00	11.00	1.00	0.99	0.99	99.00	26.00	Aluminous Laterite	10.00	11.00	1.00
11.00	12.00	1.00	0.97	0.97	97.00	54.00	Aluminous Laterite	11.00	12.00	1.00
12.00	13.00	1.00	0.97	0.97	97.00	30.00	Aluminous Laterite	12.00	13.00	1.00
13.00	14.00	1.00	0.98	0.98	98.00	12.00	Aluminous Laterite	13.00	14.00	1.00
14.00	15.00	1.00	0.99	0.99	99.00	28.00	Aluminous Laterite	14.00	15.00	1.00
Borehole JS-8 closed at depth of 15.00 m										

Borehole No.	JS-10							Date of commencement		12/9/2023
Coordinates								Date of closure		12/9/2023
21°57'08.90"	69°17'32.90"							Final Depth		15.00
R.L.	22.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		–	–	0.00	Soil	0.00	0.50	0.50
0.50	1.00	0.50	0.45	0.45	90.00	26.00	Marl	0.50	1.00	0.50
1.00	2.00	1.00	0.99	0.99	99.00	24.00	Limestone	1.00	2.00	1.00
2.00	3.00	1.00	0.99	0.99	99.00	62.00	Limestone	2.00	3.00	1.00
3.00	5.00	2.00	1.97	1.97	98.50	90.00	Clay	3.00	5.00	2.00
5.00	7.00	2.00	1.95	1.95	97.50	92.50	Clay	5.00	7.00	2.00
7.00	9.00	2.00	1.91	1.91	95.50	95.00	Aluminous Laterite	7.00	9.00	2.00
9.00	11.00	2.00	1.95	1.95	97.50	64.00	Aluminous Laterite	9.00	11.00	2.00
11.00	13.00	2.00	1.95	1.95	97.50	80.00	Aluminous Laterite	11.00	13.00	2.00
13.00	15.00	2.00	0.25	1.94	97.00	72.00	Limestone	13.00	13.26	0.26
			1.69				Limestone	13.26	15.00	1.74
Borehole JS-10 closed at depth of 15.00 m										

Borehole No.	JS-11							Date of commencement		12/9/2023
Coordinates								Date of closure		12/9/2023
21°57'08.90"	69°18'00.80"							Final Depth		15.00
R.L.	35.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50				0.00	sludge	0.00	0.50	0.50
0.50	1.00	0.50				0.00	sludge	0.50	1.00	0.50
1.00	1.50	0.50				0.00	sludge	1.00	1.50	0.50
1.50	2.00	0.50		0.22	44.00	0.00	sludge	1.50	1.78	0.28
			0.22				Cement Grade Limestone	1.78	2.00	0.22
2.00	2.50	0.50	0.47	0.47	94.00	26.00	Cement Grade Limestone	2.00	2.50	0.50
2.50	3.00	0.50	0.26	0.49	98.00	0.00	Cement Grade Limestone	2.50	2.77	0.27
			0.23				Clay	2.77	3.00	0.23
3.00	5.00	2.00	1.96	1.96	98.00	84.00	Aluminous Laterite	3.00	5.00	2.00
5.00	7.00	2.00	1.97	1.97	98.50	86.00	Aluminous Laterite	5.00	7.00	2.00
7.00	9.00	2.00	1.96	1.96	98.00	90.00	Aluminous Laterite	7.00	9.00	2.00
9.00	11.00	2.00	1.97	1.97	98.50	30.00	Aluminous Laterite	9.00	11.00	2.00
11.00	13.00	2.00	1.96	1.96	98.00	78.00	Clay	11.00	13.00	2.00
13.00	15.00	2.00	1.92	1.92	96.00	58.00	Limestone	13.00	15.00	2.00
Borehole JS-11 closed at depth of 15.00 m										

Borehole No.	JS-3							Date of commencement		12/11/2023
Coordinates								Date of closure		12/11/2023
21°58'01.00"	69°17'05.00"							Final Depth		15.00
R.L.	25.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		0.21	42.00	0.00	Soil	0.00	0.28	0.28
			0.21				Cement Grade Limestone	0.28	0.50	0.22
0.50	1.00	0.50	0.49	0.49	98.00	0.00	Cement Grade Limestone	0.50	1.00	0.50
1.00	2.00	1.00	0.98	0.98	98.00	0.00	Cement Grade Limestone	1.00	2.00	1.00
2.00	3.00	1.00	0.97	0.97	97.00	60.00	Cement Grade Limestone	2.00	3.00	1.00
3.00	5.00	2.00	1.97	1.97	98.50	86.00	Clay	3.00	5.00	2.00
5.00	7.00	2.00	1.95	1.95	97.50	88.00	Clay	5.00	7.00	2.00
7.00	9.00	2.00	1.97	1.97	98.50	65.00	Aluminous Laterite	7.00	9.00	2.00
9.00	11.00	2.00	1.98	1.98	99.00	60.00	Marl	9.00	11.00	2.00
11.00	13.00	2.00	1.97	1.97	98.50	84.00	Clay	11.00	13.00	2.00
13.00	15.00	2.00	1.98	1.98	99.00	45.00	Aluminous Laterite	13.00	15.00	2.00
Borehole JS-3 closed at depth of 15.00 m										

Borehole No.	JS-4							Date of commencement		12/11/2023
Coordinates								Date of closure		12/12/2023
21°58'00.9"	69°17'33.10"							Final Depth		15.00
R.L.	32.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		–	–	0.00	Soil	0.00	0.24	0.24
							Cement Grade Limestone	0.24	0.50	0.26
0.50	1.00	0.50	0.47	0.47	94.00	0.00	Limestone	0.50	1.00	0.50
1.00	2.00	1.00	0.99	0.99	99.00	20.00	Limestone	1.00	2.00	1.00
2.00	3.00	1.00		0.79	79.00	40.00	Aluminous Laterite	2.00	2.21	0.21
			0.79				Aluminous Laterite	2.21	3.00	0.79
3.00	4.00	1.00	0.97	0.97	97.00	80.00	Clay	3.00	4.00	1.00
4.00	5.00	1.00	0.97	0.97	97.00	90.00	Clay	4.00	5.00	1.00
5.00	7.00	2.00	1.97	1.97	98.50	96.00	Clay	5.00	7.00	2.00
7.00	9.00	2.00	1.96	1.96	98.00	85.00	Clay	7.00	9.00	2.00
9.00	10.00	1.00	0.98	0.98	98.00	75.00	Clay	9.00	10.00	1.00
10.00	11.00	1.00	0.96	0.96	96.00	90.00	Clay	10.00	11.00	1.00
11.00	12.00	1.00	0.98	0.98	98.00	86.00	Marl	11.00	12.00	1.00
12.00	13.00	1.00	0.95	0.95	95.00	40.00	Clay	12.00	13.00	1.00
13.00	14.00	1.00	0.96	0.96	96.00	60.00	Clay	13.00	14.00	1.00
14.00	15.00	1.00	0.94	0.94	94.00	68.00	Clay	14.00	15.00	1.00
Borehole JS-4 closed at depth of 15.00 m										

Borehole No.	JS-1							Date of commencement		12/13/2023
Coordinates								Date of closure		12/14/2023
21°58'25.60"	69°16'37.80"							Final Depth		15.00
R.L.	29.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		—	—	0.00	sludge	0.00	0.50	0.50
0.50	1.00	0.50		—	—	0.00	sludge	0.50	1.00	0.50
1.00	2.00	1.00	0.98	0.98	98.00	10.00	Cement Grade Limestone	1.00	2.00	1.00
2.00	3.00	1.00	0.99	—	—	0.00	Sludge	2.00	3.00	1.00
3.00	4.00	1.00	0.99	—	—	0.00	Sludge	3.00	4.00	1.00
4.00	5.00	1.00	0.99	—	—	0.00	Sludge	4.00	5.00	1.00
5.00	6.00	1.00	0.99	0.99	99.00	20.00	Cement Grade Limestone	5.00	6.00	1.00
6.00	7.00	1.00	0.96	0.96	96.00	26.00	Marl	6.00	7.00	1.00
7.00	8.00	1.00	0.96	0.96	96.00	85.00	Clay	7.00	8.00	1.00
8.00	9.00	1.00	0.94	0.94	94.00	45.00	Marl	8.00	9.00	1.00
9.00	11.00	2.00	1.93	1.93	96.50	80.00	Clay	9.00	11.00	2.00
11.00	13.00	2.00	1.98	1.98	99.00	82.00	Clay	11.00	13.00	2.00
13.00	14.00	1.00	0.98	0.98	98.00	76.00	Clay	13.00	14.00	1.00
14.00	15.00	1.00	0.99	0.99	99.00	28.00	Clay	14.00	15.00	1.00
Borehole JS-1 closed at depth of 15.00 m										

Borehole No.	JS-2							Date of commencement		12/13/2023
Coordinates								Date of closure		12/14/2023
21°58'00.60"	69°16'37.50"							Final Depth		15.00
R.L.	28.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		0.19	38.00	0.00	black soil	0.00	0.30	0.30
			0.19				Cement Grade Limestone	0.30	0.50	0.20
0.50	1.00	0.50	0.49	0.49	98.00	0.00	Cement Grade Limestone	0.50	1.00	0.50
1.00	2.00	1.00	0.95	0.95	95.00	60.00	Cement Grade Limestone	1.00	2.00	1.00
2.00	2.50	0.50		0.24	48.00	0.00	sludge	2.00	2.26	0.26
			0.24				Cement Grade Limestone	2.26	2.50	0.24
2.50	3.00	0.50	0.49	0.49	98.00	98.00	Cement Grade Limestone	2.50	3.00	0.50
3.00	4.00	1.00				0.00	sludge	3.00	4.00	1.00
4.00	4.50	0.50	0.39	0.49	98.00	24.00	Cement Grade Limestone	4.00	4.40	0.40
			0.10				Clay	4.40	4.50	0.10
4.50	5.00	0.50	0.49	0.49	98.00	26.00	Clay	4.50	5.00	0.50
5.00	7.00	2.00	1.97	1.97	98.50	90.00	Clay	5.00	7.00	2.00
7.00	8.00	1.00	0.98	0.98	98.00	94.00	Clay	7.00	8.00	1.00
8.00	10.00	2.00	1.98	1.98	99.00	45.00	Clay	8.00	10.00	2.00
10.00	11.00	1.00	1.99	0.99	99.00	60.00	Aluminous Laterite	10.00	11.00	1.00
11.00	12.00	1.00	1.98	0.98	98.00	96.00	Aluminous Laterite	11.00	12.00	1.00
12.00	13.00	1.00	0.80	0.99	99.00	88.00	Clay	12.00	12.81	0.81
			0.19				Clay	12.81	13.00	0.19
13.00	14.00	1.00	0.97	0.97	97.00	86.00	Marl	13.00	14.00	1.00
14.00	15.00	1.00	0.98	0.98	98.00	55.00	Cement Grade Limestone	14.00	15.00	1.00
Borehole JS-2 closed at depth of 15.00 m										

Borehole No.	JS-6							Date of commencement		12/14/2023
Coordinates								Date of closure		12/15/2023
21°57'34.40"	69°16'38.50"							Final Depth		15.00
R.L.	42.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		0.27	54.00	0.00	Soil	0.00	0.22	0.22
			0.27				Cement Grade Limestone	0.22	0.50	0.28
0.50	1.00	0.50	0.48	0.48	96.00	0.00	Cement Grade Limestone	0.50	1.00	0.50
1.00	1.50	0.50	0.49	0.49	98.00	0.00	Cement Grade Limestone	1.00	1.50	0.50
1.50	2.00	0.50	0.19	0.49	98.00	20.00	Cement Grade Limestone	1.50	1.69	0.19
			0.30				Sludge	1.69	2.00	0.31
2.00	2.50	0.50		0.22	44.00	0.00	Sludge	2.00	2.28	0.28
			0.22				Cement Grade Limestone	2.28	2.50	0.22
2.50	3.00	0.50	0.27	0.49	98.00	0.00	Cement Grade Limestone	2.50	2.78	0.28
			0.22				Sludge	2.78	3.00	0.22
3.00	4.00	1.00		–	–	0.00	Sludge	3.00	4.00	1.00
4.00	5.00	1.00		–	–	0.00	Sludge	4.00	5.00	1.00
5.00	5.50	0.50		–	–	0.00	Sludge	5.00	5.50	0.50
5.50	6.00	0.50	0.33	0.49	98.00	32.00	Sludge	5.50	5.84	0.34
			0.16				Clay	5.84	6.00	0.16
6.00	8.00	2.00	1.98	1.98	99.00	96.00	Clay	6.00	8.00	2.00
8.00	10.00	2.00	1.99	1.99	99.50	90.00	Clay	8.00	10.00	2.00
10.00	12.00	2.00	1.97	1.97	98.50	60.00	Aluminous Laterite	10.00	12.00	2.00
12.00	13.00	1.00	0.95	0.95	95.00	34.00	Clay	12.00	13.00	1.00
13.00	15.00	2.00	0.97	1.96	98.00	55.00	Limestone	13.00	13.99	0.99
			0.99				Marl	13.99	15.00	1.01
Borehole JS-6 closed at depth of 15.00 m										



Borehole No.	JS-5							Date of commencement		12/15/2023
Coordinates								Date of closure		12/16/2023
21°58'01.00"	69°18'01.00"							Final Depth		15.00
R.L.	32.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		–	–	0.00	Soil	0.00	0.50	0.50
0.50	1.00	0.50	0.48	0.48	96.00	0.00	Limestone	0.50	1.00	0.50
1.00	2.00	1.00	0.97	0.97	97.00	22.00	Limestone	1.00	2.00	1.00
2.00	3.00	1.00	0.98	0.98	98.00	40.00	Clay	2.00	3.00	1.00
3.00	5.00	2.00	1.97	1.97	98.50	70.00	Clay	3.00	5.00	2.00
5.00	7.00	2.00	1.98	1.98	99.00	88.00	Clay	5.00	7.00	2.00
7.00	8.00	1.00	0.98	0.98	98.00	84.00	Aluminous Laterite	7.00	8.00	1.00
8.00	10.00	2.00	1.97	1.97	98.50	72.00	Aluminous Laterite	8.00	10.00	2.00
10.00	12.00	2.00	1.98	1.98	99.00	90.00	Clay	10.00	12.00	2.00
12.00	13.00	1.00	0.99	0.99	99.00	92.00	Aluminous Laterite	12.00	13.00	1.00
13.00	15.00	2.00	1.98	1.98	99.00	60.00	Marl	13.00	15.00	2.00
Borehole JS-5 closed at depth of 15.00 m										

Borehole No.	JS-9							Date of commencement		12/15/2023
Coordinates								Date of closure		12/15/2023
21°57'34.70"	69°18'01.20"							Final Depth		15.00
R.L.	37.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		0.12	24.00	0.00	sludge	0.00	0.38	0.38
			0.12				Cement Grade Limestone	0.38	0.50	0.12
0.50	1.00	0.50	0.46	0.46	92.00	0.00	Cement Grade Limestone	0.50	1.00	0.50
1.00	1.50	0.50	0.27	0.27	54.00	0.00	Cement Grade Limestone	1.00	1.27	0.27
							sludge	1.27	1.50	0.23
1.50	2.00	0.50	0.49	0.49	98.00	26.00	Clay	1.50	2.00	0.50
2.00	4.00	2.00	1.98	1.98	99.00	92.00	Clay	2.00	4.00	2.00
4.00	6.00	2.00	1.98	1.98	99.00	98.00	Clay	4.00	6.00	2.00
6.00	8.00	2.00	1.98	1.98	99.00	96.00	Aluminous Laterite	6.00	8.00	2.00
8.00	10.00	2.00	1.97	1.97	98.50	98.00	Clay	8.00	10.00	2.00
10.00	12.00	2.00	1.97	1.97	98.50	96.00	Clay	10.00	12.00	2.00
12.00	14.00	2.00	1.98	1.98	99.00	98.00	Clay	12.00	14.00	2.00
14.00	15.00	1.00	0.60	0.99	99.00	96.00	Clay	14.00	14.61	0.61
			0.39				Marl	14.61	15.00	0.39
Borehole JS-9 closed at depth of 15.00 m										

Borehole No.	JS-7							Date of commencement		12/16/2023
Coordinates								Date of closure		12/16/2023
21°57'35.10"	69°17'04.90"							Final Depth		15.00
R.L.	28.00									
Run Length		Run Length	Splitted thickness	Core Recovery		RQD	Lithology	From	To	Thickness
From	To			In Mt	In %					
0.00	0.50	0.50		—	—	0.00	Soil	0.00	0.22	0.22
							Sludge	0.22	0.50	0.28
0.50	1.00	0.50	0.46	0.46	92.00	0.00	Limestone	0.50	1.00	0.50
1.00	1.50	0.50		—	—	0.00	Sludge	1.00	1.50	0.50
1.50	2.00	0.50	0.47	0.47	94.00	22.00	Limestone	1.50	2.00	0.50
2.00	3.00	1.00	0.99	0.99	99.00	98.00	Clay	2.00	3.00	1.00
3.00	5.00	2.00	0.98	0.98	49.00	60.00	Clay	3.00	5.00	2.00
5.00	7.00	2.00	0.97	0.97	48.50	70.00	Clay	5.00	7.00	2.00
7.00	8.00	1.00	0.99	0.99	99.00	98.00	Aluminous Laterite	7.00	8.00	1.00
8.00	10.00	2.00	0.98	0.98	49.00	98.00	Aluminous Laterite	8.00	10.00	2.00
10.00	11.00	1.00	0.99	0.99	99.00	88.00	Aluminous Laterite	10.00	11.00	1.00
11.00	12.00	1.00	0.98	0.98	98.00	84.00	Clay	11.00	12.00	1.00
12.00	13.00	1.00	0.98	0.98	98.00	65.00	Marl	12.00	13.00	1.00
13.00	15.00	2.00	1.98	1.98	99.00	82.00	Marl	13.00	15.00	2.00
Borehole JS-7 closed at depth of 15.00 m										