

**Particulars of Summarised Litholog of the boreholes drilled by MECL in Nimbli Block, Tehsil:
Fategarh, District-Jaisalmer, Rajasthan**

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MNP-01				
MNP-01	0.00	0.50	0.50	Soil
MNP-01	0.50	4.00	3.50	Weathered zone
MNP-01	4.00	12.00	8.00	Shale
MNP-01	12.00	14.00	2.00	Phosphorite bands
MNP-01	14.00	17.10	3.10	Quartzitic Sandstone
MNP-01	17.10	29.50	12.40	Shale
MNP-01	29.50	35.00	5.50	Calcareous Sandstone
MNP-02				
MNP-02	0.00	0.50	0.50	Soil
MNP-02	0.50	4.00	3.50	Weathered Zone
MNP-02	4.00	19.00	15.00	Shale
MNP-02	19.00	31.00	12.00	Phosphorite bands
MNP-02	31.00	32.00	1.00	Quartzitic Sandstone
MNP-03				
MNP-03	0.00	1.00	1.00	Soil
MNP-03	1.00	4.00	3.00	Weathered Zone
MNP-03	4.00	17.00	13.00	shale
MNP-03	17.00	25.00	8.00	Phosphorite bands
MNP-03	25.00	31.00	6.00	Quartzitic Sandstone
MNP-04				
MNP-04	0.00	0.50	0.50	Soil
MNP-04	0.50	4.00	3.50	weathered zone
MNP-04	4.00	6.00	2.00	Shale
MNP-04	6.00	10.80	4.80	Phosphorite bands
MNP-04	10.80	13.70	2.90	Quartzitic Sandstone
MNP-04	13.70	30.00	16.30	shale
MNP-05				
MNP-05	0.00	0.50	0.50	Soil
MNP-05	0.50	6.00	5.50	Weathered Zone
MNP-05	6.00	19.00	13.00	Shale
MNP-05	19.00	20.00	1.00	Minor Phosphorite bands
MNP-05	20.00	25.40	5.40	Quartzitic Sandstone
MNP-05	25.40	30.00	4.60	shale
MNP-06				
MNP-06	0.00	0.50	0.50	Soil
MNP-06	0.50	4.00	3.50	Weathered Zone
MNP-06	4.00	10.00	6.00	shale
MNP-06	10.00	19.50	9.50	Phosphorite bands
MNP-06	19.50	22.00	2.50	Quartzitic Sandstone
MNP-06	22.00	27.00	5.00	shale
MNP-07				
MNP-07	0.00	0.50	0.50	Soil
MNP-07	0.50	4.00	3.50	Weathered Zone
MNP-07	4.00	9.00	5.00	Shale

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MNP-07	9.00	10.00	1.00	Phosphorite bands
MNP-07	10.00	11.00	1.00	Quartzitic Sandstone
MNP-07	11.00	19.00	8.00	shale
MNP-07	19.00	22.00	3.00	Minor Phosphorite bands
MNP-07	22.00	27.00	5.00	Calcareous Sandstone
MNP-08				
MNP-08	0.00	0.50	0.50	Soil
MNP-08	0.50	4.00	3.50	Weathered Zone
MNP-08	4.00	7.00	3.00	Shale
MNP-08	7.00	15.00	8.00	Phosphorite bands
MNP-08	15.00	18.50	3.50	Quartzitic Sandstone
MNP-08	18.50	24.00	5.50	Shale
MNP-08	24.00	25.00	1.00	Calcareous Sandstone
MNP-09				
MNP-09	0.00	0.70	0.70	Soil
MNP-09	0.70	4.00	3.30	Weathered Zone
MNP-09	4.00	9.74	5.74	Shale
MNP-09	9.74	19.60	9.86	Dolomitic Limestone
MNP-09	19.60	31.00	11.40	Shale
MNP-09	31.00	50.00	19.00	Limestone with Shale
MNP-09	50.00	50.70	0.70	Phosphorite bands
MNP-09	50.70	52.00	1.30	Quartzitic Sandstone
MNP-09	52.00	60.00	8.00	Shale
MNP-10				
MNP-10	0.00	0.50	0.50	Soil
MNP-10	0.50	4.00	3.50	Weathered Zone
MNP-10	4.00	7.00	3.00	Shale
MNP-10	7.00	13.00	6.00	Phosphorite bands
MNP-10	13.00	14.63	1.63	Quartzitic Sandstone
MNP-10	14.63	28.00	13.37	Shale
MNP-11				
MNP-11	0.00	0.60	0.60	Soil
MNP-11	0.60	4.10	3.50	Weathered Zone
MNP-11	4.10	35.00	30.90	Shale
MNP-11	35.00	36.20	1.20	Minor Phosphorite bands
MNP-11	36.20	40.00	3.80	Quartzitic Sandstone
MNP-12				
MNP-12	0.00	0.70	0.70	Soil
MNP-12	0.70	3.00	2.30	Weathered Zone
MNP-12	3.00	21.00	18.00	Limestone with shale
MNP-12	21.00	22.00	1.00	Phosphorite bands
MNP-12	22.00	23.90	1.90	Quartzitic Sandstone
MNP-12	23.90	36.95	13.05	shale
MNP-12	36.95	40.00	3.05	Calcareous Sandstone
MNP-13				
MNP-13	0.00	0.60	0.60	Soil
MNP-13	0.60	4.00	3.40	Weathered Zone
MNP-13	4.00	7.00	3.00	Minor Phosphorite bands

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MNP-13	7.00	8.00	1.00	Phosphorite bands
MNP-13	8.00	9.00	1.00	Quartzitic Sandstone
MNP-13	9.00	23.50	14.50	Shale
MNP-13	23.50	25.00	1.50	Calcareous Sandstone
MNP-14				
MNP-14	0.00	1.00	1.00	Soil
MNP-14	1.00	4.00	3.00	Weathered Zone
MNP-14	4.00	66.50	62.50	Shale
MNP-14	66.50	67.60	1.10	Minor Phosphorite bands
MNP-14	67.60	69.50	1.90	Quartzitic Sandstone
MNP-14	69.50	75.00	5.50	Shale
MNP-15				
MNP-15	0.00	0.60	0.60	Soil
MNP-15	0.60	4.00	3.40	Weathered Zone
MNP-15	4.00	18.00	14.00	Limestone with shale
MNP-15	18.00	19.00	1.00	Minor Phosphorite bands
MNP-15	19.00	20.50	1.50	Quartzitic Sandstone
MNP-15	20.50	34.00	13.50	Shale
MNP-15	34.00	36.00	2.00	Calcareous Sandstone
MNP-16				
MNP-16	0.00	1.00	1.00	Soil
MNP-16	1.00	4.00	3.00	Weathered Zone
MNP-16	4.00	16.80	12.80	Quartzitic Sandstone
MNP-16	16.80	34.70	17.90	Shale
MNP-16	34.70	40.00	5.30	Quartzitic Sandstone
MNP-16	40.00	51.00	11.00	Shale
MNP-16	51.00	53.00	2.00	Minor Phosphorite bands
MNP-16	53.00	60.00	7.00	Shale
MNP-17				
MNP-17	0.00	1.00	1.00	Soil
MNP-17	1.00	7.00	6.00	Weathered Zone
MNP-17	7.00	34.00	27.00	Limestone with Shale
MNP-17	34.00	44.00	10.00	Shale
MNP-17	44.00	46.00	2.00	Minor Phosphorite bands
MNP-17	46.00	48.00	2.00	Quartzitic Sandstone
MNP-17	48.00	50.00	2.00	Shale
MNP-18				
MNP-18	0.00	0.80	0.80	Soil
MNP-18	0.80	5.00	4.20	Weathered Zone
MNP-18	5.00	15.00	10.00	Shale
MNP-18	15.00	18.10	3.10	Minor Phosphorite bands
MNP-18	18.10	19.00	0.90	Quartzitic Sandstone
MNP-18	19.00	31.00	12.00	Shale
MNP-18	31.00	42.00	11.00	Calcareous Sandstone
MNP-18	42.00	50.00	8.00	Calcareous Shale
MNP-19				
MNP-19	0.00	1.00	1.00	Soil
MNP-19	1.00	4.00	3.00	Weathered Zone

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MNP-19	4.00	25.00	21.00	Shale
MNP-19	25.00	49.50	24.50	Limestone with Shale
MNP-19	49.50	54.20	4.70	Minor Phosphorite bands
MNP-19	54.20	55.20	1.00	Quartzitic Sandstone
MNP-19	55.20	70.00	14.80	Shale
MNP-20				
MNP-20	0.00	0.80	0.80	Soil
MNP-20	0.80	5.00	4.20	Weathered Zone
MNP-20	5.00	22.00	17.00	Shale
MNP-20	22.00	23.80	1.80	Minor Phosphorite bands
MNP-20	23.80	25.00	1.20	Quartzitic Sandstone
MNP-20	25.00	50.00	25.00	Limestone with Shale
MNP-21				
MNP-21	0.00	1.00	1.00	Soil
MNP-21	1.00	10.60	9.60	Phosphorite bands
MNP-21	10.60	13.00	2.40	Quartzitic Sandstone
MNP-21	13.00	34.00	21.00	Shale
MNP-21	34.00	44.00	10.00	Calcareous Sandstone
MNP-22				
MNP-22	0.00	0.80	0.80	Soil
MNP-22	0.80	4.00	3.20	Weathered Zone
MNP-22	4.00	17.50	13.50	Limestone with Shale
MNP-22	17.50	24.50	7.00	Shale
MNP-22	24.50	25.50	1.00	Minor Phosphorite bands
MNP-22	25.50	26.50	1.00	Phosphorite bands
MNP-22	26.50	27.50	1.00	Quartzitic Sandstone
MNP-22	27.50	35.00	7.50	Shale
MNP-23				
MNP-23	0.00	1.00	1.00	Soil
MNP-23	1.00	7.00	6.00	Weathered Zone
MNP-23	7.00	16.00	9.00	Limestone with Shale
MNP-23	16.00	21.00	5.00	Minor Phosphorite bands
MNP-23	21.00	25.00	4.00	Phosphorite bands
MNP-23	25.00	26.00	1.00	Quartzitic Sandstone
MNP-23	26.00	37.40	11.40	Shale
MNP-23	37.40	40.00	2.60	Calcareous Sandstone
MNP-24				
MNP-24	0.00	0.80	0.80	Soil
MNP-24	0.80	3.00	2.20	Weathered Zone
MNP-24	3.00	21.00	18.00	Limestone with Shale
MNP-24	21.00	30.00	9.00	Shale
MNP-24	30.00	34.00	4.00	Minor Phosphorite bands
MNP-24	34.00	36.00	2.00	Quartzitic Sandstone
MNP-24	36.00	40.00	4.00	Shale
MNP-25				
MNP25	0.00	1.00	1.00	Soil
MNP25	1.00	2.70	1.70	Weathered Zone
MNP25	2.70	23.90	21.20	Limestone with Shale

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology
MNP25	23.90	25.54	1.64	Quartzitic Sandstone
MNP25	25.54	40.00	14.46	Shale
MNP-26				
MNP-26	0.00	1.00	1.00	Soil
MNP-26	1.00	4.00	3.00	Weathered Zone
MNP-26	4.00	24.00	20.00	Shale
MNP-26	24.00	59.40	35.40	Dolomitic Limestone
MNP-26	59.40	65.00	5.60	Black Shale
MNP-27				
MNP-27	0.00	0.80	0.80	Soil
MNP-27	0.80	4.85	4.05	Weathered Zone
MNP-27	4.85	18.00	13.15	Limestone with Shale
MNP-27	18.00	21.00	3.00	Minor Phosphorite bands
MNP-27	21.00	22.00	1.00	Quartzitic Sandstone
MNP-27	22.00	28.00	6.00	Shale
MNP-27	28.00	35.00	7.00	Calcareous Sandstone
MNP-28				
MNP-28	0.00	1.00	1.00	Soil
MNP-28	1.00	6.00	5.00	Weathered Zone
MNP-28	6.00	13.00	7.00	Shale
MNP-28	13.00	30.00	17.00	Calcareous Sandstone
MNP-29				
MNP-29	0.00	1.00	1.00	Soil
MNP-29	1.00	5.00	4.00	Weathered Zone
MNP-29	5.00	25.00	20.00	Shale with Sandstone Bands
MNP-29	25.00	35.00	10.00	Limestone with Shale
MNP-30				
MNP-30	0.00	0.80	0.80	Soil
MNP-30	0.80	3.00	2.20	Weathered Zone
MNP-30	3.00	26.00	23.00	Shale
MNP-30	26.00	28.00	2.00	Minor Phosphorite bands
MNP-30	28.00	29.00	1.00	Quartzitic Sandstone
MNP-30	29.00	36.00	7.00	Shale
MNP-30	36.00	40.00	4.00	Calcareous Sandstone
MNP-31				
MNP-31	0.00	1.00	1.00	Soil
MNP-31	1.00	5.40	4.40	Weathered Zone
MNP-31	5.40	14.09	8.69	Limestone with Shale
MNP-31	14.09	32.00	17.91	Shale
MNP-31	32.00	34.00	2.00	Quartzitic Sandstone
MNP-31	34.00	40.00	6.00	Shale
MNP-32				
MNP-32	0.00	0.80	0.80	Soil
MNP-32	0.80	3.00	2.20	Weathered Zone
MNP-32	3.00	6.50	3.50	Shale
MNP-32	6.50	15.00	8.50	Quartzitic Sandstone
MNP-32	15.00	21.00	6.00	Shale
MNP-32	21.00	28.00	7.00	Limestone with Shale