

**Particulars of Summarised Litholog of the boreholes drilled by GSI (1979-70 FS)
in Nimbli Block, Tehsil- Fategarh, District-Jaisalmer, Rajasthan**

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology	Remarks
B-32					
B-32	0.00	0.70	0.70	Sand	
B-32	0.70	3.55	2.85	Shaley Limestone	
B-32	3.55	15.35	11.80	Phosphatic shale	
B-32	15.35	18.35	3.00	Phosphorite	
B-32	18.35	23.75	5.40	Shaley Phosphorite	
B-32	23.75	24.25	0.50	Sandstone	Fine Grained
B-33					
B-33	0.00	2.00	2.00	Sand & Kankar	
B-33	2.00	16.60	14.60	Shale	
B-33	16.60	21.70	5.10	Phosphatic shale	
B-33	21.70	26.90	5.20	Shaley Phosphorite	
B-33	26.90	27.30	0.40	Sandstone	
B-33	0.00	2.00	2.00	Sand	
B-33	2.00	16.60	14.60	Shale	
B-33	16.60	22.05	5.45	Phosphatic shale	
B-33	22.05	26.90	4.85	Shaley Phosphorite	
B-33	26.90	27.30	0.40	Sandstone	Medium to Coarse Grained
B-34					
B-34	0.00	1.00	1.00	Sandy Clay	
B-34	1.00	28.33	27.33	Shale	
B-34	28.33	29.85	1.52	Shaley Phosphorite	
B-34	29.85	31.30	1.45	Shale	micaceous
B-35					
B-35	0.00	1.00	1.00	Sand	
B-35	1.00	2.00	1.00	Shale	
B-35	2.00	3.80	1.80	Shaley Limestone	
B-35	3.80	22.70	18.90	Shale	
B-35	22.70	24.28	1.58	Phosphatic Shale	
B-35	24.28	25.50	1.22	Sandstone	
B-36					
B-36	0.00	1.00	1.00	Sand	
B-36	1.00	5.95	4.95	Limestone	
B-36	5.95	10.95	5.00	Shale	
B-36	10.95	15.60	4.65	Phosphatic shale	
B-36	15.60	17.00	1.40	Sandstone	
B-37					
B-37	0.00	1.00	1.00	Sand	
B-37	1.00	3.75	2.75	Limestone	
B-37	3.75	4.50	0.75	Shale	
B-37	4.50	6.35	1.85	Siltstone	

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology	Remarks
B-37	6.35	19.15	12.80	Shale	
B-37	19.15	20.00	0.85	Phosphatic Shale	
B-37	20.00	20.40	0.40	Sandstone	
B-38					
B-38	0.00	1.00	1.00	Sand	
B-38	1.00	9.10	8.10	Shaley Limestone	
B-38	9.10	35.78	26.68	Shale	
B-38	35.78	38.47	2.69	Shaley Phosphorite	
B-38	38.47	39.41	0.94	Sandstone	Fine Grained
B-40					
B-40	0.00	2.50	2.50	Sand	
B-40	2.50	32.35	29.85	Shale	
B-40	32.35	46.20	13.85	Phosphatic shale	
B-40	46.20	47.00	0.80	Sandstone	
B-42					
B-42	0.00	0.30	0.30	Sand	
B-42	0.30	2.30	2.00	Limestone	
B-42	2.30	8.05	5.75	Shale	
B-42	8.05	9.65	1.60	Phosphatic shale	
B-42	9.65	11.15	1.50	Shaley Phosphorite	
B-42	11.15	15.17	4.02	Phosphorite	
B-42	15.17	16.22	1.05	Sandstone	Fine Grained
B-42	0.00	0.30	0.30	Sand	
B-42	0.30	2.30	2.00	Limestone	
B-42	2.30	8.05	5.75	Shale	
B-42	8.05	9.65	1.60	Phosphatic shale	
B-42	9.65	11.15	1.50	Shaley Phosphorite	
B-42	11.15	15.29	4.14	Phosphorite	
B-42	15.29	16.22	0.93	Sandstone	Fine Grained
B-43					
B-43	0.00	12.95	12.95	Shale	
B-43	12.95	15.55	2.60	Phosphatic Shale	
B-43	15.55	16.95	1.40	Phosphorite	
B-43	16.95	19.10	2.15	Sandstone	
B-44					
B-44	0.00	1.40	1.40	Sand	
B-44	1.40	18.05	16.65	Shale	
B-44	18.05	23.40	5.35	Phosphatic Shale	
B-44	23.40	26.00	2.60	Phosphorite	
B-44	26.00	27.50	1.50	Sandstone	

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology	Remarks
B-45					
B-45	0.00	1.40	1.40	Sand	
B-45	1.40	3.00	1.60	Shale	
B-45	3.00	4.10	1.10	Limestone	
B-45	4.10	5.35	1.25	Shale	
B-45	5.35	7.40	2.05	Limestone	
B-45	7.40	23.80	16.40	Shale	
B-45	23.80	30.15	6.35	Phosphatic Shale	
B-45	30.15	31.60	1.45	Sandstone	
B-46					
B-46	0.00	0.80	0.80	Sand	
B-46	0.80	4.75	3.95	Phosphatic shale	
B-46	4.75	5.80	1.05	Shaley Phosphorite	
B-46	5.80	12.10	6.30	Phosphatic shale	
B-46	12.10	20.10	8.00	Shaley Phosphorite	
B-46	20.10	23.50	3.40	Sandstone, fine grained	
B-47					
B-47	0.00	0.75	0.75	Kankar	
B-47	0.75	4.00	3.25	Limestone	Weakly phosphatic
B-47	4.00	6.90	2.90	Phosphatic shale	
B-47	6.90	16.00	9.10	Shaley Phosphorite	
B-47	16.00	23.15	7.15	Phosphorite	
B-47	23.15	24.85	1.70	Phosphatic shale	
B-47	24.85	25.50	0.65	Sandstone	Fine Grained
B-48					
B-48	0.00	1.00	1.00	Sand	
B-48	1.00	3.05	2.05	Kankar	
B-48	4.05	9.55	5.50	Phosphorite	
B-48	9.55	10.28	0.73	Shale	
B-48	10.28	10.90	0.62	Sandstone	
B-49					
B-49	0.00	1.00	1.00	Sand	
B-49	1.00	2.20	1.20	Phosphatic Limestone	
B-49	2.20	8.55	6.35	Phosphorite	
B-49	8.55	9.94	1.39	Phosphatic Shale	
B-49	9.94	12.25	2.31	Sandstone	
B-54					
B-54	0.00	1.50	1.50	Sand	
B-54	1.50	4.00	2.50	Kankar	
B-54	4.00	5.50	1.50	Sandstone	
B-54	5.50	9.50	4.00	Shale	
B-54	9.50	25.50	16.00	Sandstone	
B-54	25.50	28.00	2.50	Siltstone	

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology	Remarks
B-54	28.00	45.40	17.40	Sandstone	
B-54	45.40	46.50	1.10	Shale	
B-56					
B-56	0.00	1.50	1.50	Sand	
B-56	1.50	2.50	1.00	Kankar	
B-56	2.50	19.65	17.15	Dolomite	
B-56	19.65	33.80	14.15	Shale	
B-56	33.80	37.30	3.50	Siltstone	
B-56	37.30	41.20	3.90	Shale	
B-56	41.20	45.10	3.90	Siltstone	
B-56	45.10	54.25	9.15	Phosphatic Shale	
B-56	54.25	54.90	0.65	Sandstone	
B-57					
B-57	0.00	1.00	1.00	Sand	
B-57	1.00	3.90	2.90	Shale	
B-57	3.90	7.85	3.95	Siltstone	
B-57	7.85	10.35	2.50	Shale	
B-57	10.35	11.40	1.05	Siltstone	
B-57	11.40	15.65	4.25	Shale	
B-57	15.65	21.80	6.15	Siltstone	
B-57	21.80	24.10	2.30	Shale	
B-57	24.10	25.70	1.60	Phosphorite	
B-57	25.70	33.05	7.35	Shale	
B-57	33.05	35.30	2.25	Phosphorite	
B-57	35.30	43.25	7.95	Shale	
B-57	43.25	45.25	2.00	Phosphorite	
B-57	45.25	48.25	3.00	Shale	
B-57	48.25	49.50	1.25	Phosphorite	
B-57	49.50	50.30	0.80	Sandstone	
B-58					
B-58	0.00	0.65	0.65	Sand	
B-58	0.65	29.00	28.35	Limestone	
B-58	29.00	43.75	14.75	Siltstone	
B-58	43.75	51.10	7.35	Shale	
B-58	51.10	54.90	3.80	Phosphatic shale	
B-58	54.90	57.35	2.45	Shaley Phosphorite	
B-58	57.35	58.10	0.75	Sandstone	Fine Grained
B-58	0.00	0.65	0.65	Sand	
B-58	0.65	29.00	28.35	Limestone	
B-58	29.00	43.75	14.75	Siltstone	micaceous
B-58	43.75	54.90	11.15	Phosphatic shale	
B-58	54.90	57.35	2.45	Shaley Phosphorite	
B-58	57.35	58.10	0.75	Sandstone	Fine Grained

Borehole No.	From (m)	To (m)	Thickness (m)	Lithology	Remarks
B-59					
B-59	0.00	2.00	2.00	Sand	
B-59	2.00	3.50	1.50	Shaley Limestone	
B-59	3.50	21.45	17.95	Shale	
B-59	21.45	27.58	6.13	Phosphatic shale	
B-59	27.58	29.40	1.82	Shaley Phosphorite	
B-59	29.40	29.95	0.55	Sandstone	Fine Grained
B-62					
B-62	0.00	2.00	2.00	Soil	
B-62	2.00	6.00	4.00	Sand	
B-62	6.00	8.28	2.28	Phosphatic Shale	
B-62	8.28	9.50	1.22	Sandstone	
B-63					
B-63	0.00	0.50	0.50	Sand	
B-63	0.50	3.00	2.50	Shale	
B-63	3.00	6.00	3.00	Siltstone	
B-63	6.00	15.00	9.00	Sandstone	
B-63	15.00	41.50	26.50	Limestone	
B-63	41.50	44.50	3.00	Siltstone	
B-63	44.50	90.35	45.85	Shale	
B-63	90.35	90.65	0.30	Sandstone	
B-63	90.65	91.65	1.00	Shale	
B-65					
B-65	0.00	1.50	1.50	Sand	
B-65	1.50	4.76	3.26	Sandstone	Fine Grained
B-65	4.76	7.50	2.74	Siltstone	variegated
B-65	7.50	11.50	4.00	Sandstone	Fine to medium grain
B-65	11.50	14.50	3.00	Siltstone	
B-65	14.50	25.00	10.50	Limestone	
B-65	25.00	26.80	1.80	Shale	
B-65	26.80	29.00	2.20	Sandstone	
B-65	29.00	34.90	5.90	Siltstone	micaceous
B-65	34.90	36.25	1.35	Sandstone	micaceous
B-65	36.25	42.90	6.65	Siltstone	micaceous
B-65	42.90	69.13	26.23	Limestone	grey
B-65	69.13	73.22	4.09	Siltstone	micaceous
B-65	73.22	83.50	10.28	Shale	
B-65	83.50	85.20	1.70	Phosphatic shale	
B-65	85.20	91.80	6.60	Shale	Carbonaceous