

**Statement showing the Lithology and Chemical Analysis of Composite Limestone samples intersected in core boreholes drilled by M/s SAGAR CEMENTS LIMITED  
(NCCBM analysed)**

Sl. No.	BH.No.	Depth (m)	LOI	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	Al <sub>2</sub> O <sub>3</sub> %	CaO %	MgO %	Lithology
1	PBH-1	0.5-5	40.25	7.23	0.56	0.80	48.64	1.98	Dark Grey Limestone
2		5-10	40.45	6.69	0.51	0.91	49.31	1.66	Dark Grey Limestone
3		15-20	39.26	8.16	0.52	1.31	48.81	1.08	Green Limestone with Calcite
4	PBH-2	5-0.10	10.03	7.50	0.58	0.86	48.83	1.73	Dark Grey Limestone
5		17-20	38.71	9.08	0.55	1.47	48.85	0.69	Green Limestone
6		1.0-2.0	36.98	13.83	0.37	1.06	46.70	0.57	Light Grey Limestone
7	PBH-3	0.0-5	34.38	18.65	0.52	1.17	43.78	0.60	Light Grey Limestone
8		20-25	39.00	7.83	0.61	0.99	48.78	2.10	Dark Grey Limestone
9		25-30	38.18	10.00	0.79	1.66	47.21	1.40	Green Limestone
10	PBH-4	0.0-1.0	35.89	16.57	0.31	0.94	45.09	0.58	Light Grey Limestone
11		10-15	40.08	7.65	0.58	0.87	48.58	1.73	Dark Grey Limestone
12		15-20	38.32	9.84	0.75	1.67	47.56	1.10	Green Limestone with Calcite
13	PBH-5	0.0-1.0	22.75	41.57	7.38	11.03	12.88	2.12	Black Cotton Soil
14		1.0-5.0	33.75	20.78	0.40	1.25	41.97	0.64	Light Grey Limestone
15		10-15	37.80	12.35	0.37	1.01	47.16	0.81	Dark Grey Limestone
16		20-25	37.29	11.55	0.88	2.25	46.36	0.71	Green Limestone
17	PBH-6	5.0-10	35.06	18.16	0.37	1.13	44.15	0.55	Light Grey Limestone
18		10-15	34.83	18.50	0.37	1.26	43.77	0.59	Grey Limestone mixed with clay
19		15-20	36.02	15.65	0.38	1.38	45.21	0.68	Grey Limestone with clay
20		25-29	36.34	12.81	1.05	2.48	45.08	1.20	Green Limestone
21	PBH-7	1.0-5.0	35.18	17.73	0.38	1.22	44.18	0.58	Light Grey Limestone
22		10-15	40.33	7.11	0.62	0.90	48.21	2.28	Dark Grey Limestone
23		20-23	36.58	12.16	1.11	2.38	45.71	0.81	Green Limestone
24	PBH-8	0.0-3.0	34.62	19.08	0.38	1.18	43.26	0.75	Light Grey Limestone
25		20-25	36.75	12.05	1.03	2.40	45.70	0.97	Green Limestone
26	PBH-9	5.0-10	35.58	16.63	0.39	1.16	45.05	0.59	Variegated Limestosn
27		20-25	40.22	7.44	0.66	0.82	47.73	2.55	Dark Grey Limestone
28		25-30	38.99	8.66	0.62	1.48	48.31	1.09	Dark Grey Limestone
29		30-35	36.83	11.81	1.00	2.34	46.23	0.75	Green Limestone
30		37-39	32.54	17.83	2.53	4.30	40.15	0.98	Green Flaggy Limestone
31	PBH-10	0.0-2	35.22	17.87	0.40	1.11	44.24	0.56	Light Grey Limestone
32		10-15	40.36	7.04	0.64	0.85	48.12	2.50	Dark Grey Limestone
33		15-20	40.03	7.18	0.59	1.01	48.37	1.96	Dark Grey Limestone
34		25-30	38.74	8.74	0.60	1.56	47.76	0.88	Green Limestone
35	PBH-11	1.0-5.0	34.08	19.75	0.46	1.19	42.76	0.60	Light Grey Limestone
36		15-20	39.71	7.63	0.52	1.20	48.87	1.40	Dark Grey Limestone
37		20-25	39.08	8.77	0.49	1.33	49.21	0.62	Dark Grey Limestone
38		30-35	35.49	13.74	1.56	3.06	44.20	0.77	Green Limestone
39	PBH-12	0.5-2.0	33.48	21.53	0.42	1.13	42.12	0.64	Light Grey Limestone
40		5.0-10	39.89	7.81	0.49	0.83	49.31	1.07	Dark Grey Limestone
41		1-12 (Clay	37.77	11.98	1.17	1.54	44.23	2.36	Dark Grey Limestone with clay