

BOREHOLE CORE SAMPLE CHEMICAL ANALYSIS RESULTS

BLOCK NAME: GOVINDPARA-SAVNI BLOCK
TALUKA: VERAVAL
DISTRICT: GIR-SOMNATH

BHID	SAMPLE CODE	LAB. REF. NO.	FROM (m)	TO (m)	THICKNESS (m)	LITHOLOGY	SiO2	Al2O3	Fe2O3	TiO2	CaO	MgO	Na2O	K2O	So3	LOI	TOTAL
							%	%	%	%	%	%	%	%	%	%	%
GSBH-01	GSBH-1/01	C/D/25-26/2785	0.45	1	0.55	Limestone [Cement grade (Blendable/Benificiable/Portland)]	19.95	6.97	3.04	0.34	35.78	1.32	0.16	0.51	0.1	31.61	99.9
	GSBH-1/02	C/D/25-26/2786	1	2.45	1.45	Limestone [Cement grade (Blendable/Benificiable/Portland)]	11.36	3.74	1.41	0.19	45.07	0.84	0.09	0.22	0.06	36.88	99.93
	GSBH-1/03	C/D/25-26/2787	2.45	3.9	1.45	Limestone [Cement grade (Blendable/Benificiable/Portland)]	13.1	4.68	2.2	0.22	42.92	0.99	0.11	0.29	0.07	35.23	99.9
	GSBH-1/04	C/D/25-26/2788	3.9	5	1.1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	5	2.19	2.92	0.12	49.38	0.56	0.05	0.13	0.03	39.36	99.88
	GSBH-1/05	C/D/25-26/2789	5	6.45	1.45	Marl	33.57	11.88	7.17	0.66	23.55	1.64	0.12	1	0.05	20.08	99.85
	GSBH-1/06	C/D/25-26/2790	6.45	7.3	0.85	Limestone [Cement grade (Blendable/Benificiable/Portland)]	4.01	1.97	4.42	0.12	48.4	0.62	0.05	0.14	0.04	39.88	99.91
	GSBH-1/07	C/D/25-26/2791	7.3	8.8	1.5	Clay	45.87	15.61	6.08	0.8	14.37	2.02	0.18	1.37	0.04	13.27	99.71
	GSBH-1/08	C/D/25-26/2792	8.8	9.2	0.4	Limestone [Cement grade (Blendable/Benificiable/Portland)]	8.01	3.54	3.71	0.2	47.36	0.75	0.04	0.26	0.03	35.7	99.88
	GSBH-1/09	C/D/25-26/2793	9.2	10.2	1	Clay	38.6	13.34	5.69	0.59	18.37	2.26	0.21	1.97	0.04	18.49	99.8
	GSBH-1/10	C/D/25-26/2794	10.2	11	0.8	Clay	42.78	14.42	5.94	0.67	15.19	2.4	0.23	2.19	0.04	15.75	99.86
	GSBH-1/11	C/D/25-26/2795	11	12	1	Marl	27.81	10.42	5.82	0.51	27.11	1.74	0.14	1.27	0.04	24.73	99.83
	GSBH-1/12	C/D/25-26/2796	12	13.48	1.48	Clay	47.36	13.81	6.12	1.22	13.01	0	1.55	3.6	0	13.5	100.17
	GSBH-1/13	C/D/25-26/2797	13.48	14	0.52	Marl	34.54	10.27	6.26	0.61	25.32	1.72	0.33	1.16	0.05	19.2	99.81
	GSBH-1/14	C/D/25-26/2798	14	15	1	Clay	40.3	11.93	7.84	0.74	19.59	1.95	0.32	1.42	0.05	14.98	99.79
	GSBH-1/15	C/D/25-26/2799	15	15.24	0.24	Marl	21.86	8.15	5.15	0.46	32	1.46	0.16	0.8	0.05	29.38	99.81
	GSBH-1/16	C/D/25-26/2800	15.24	17.5	2.26	Clay	51.86	18.59	9.05	1.12	4.13	2.68	0.21	2.4	0.05	9.19	99.53
	GSBH-1/17	C/D/25-26/2801	17.5	19.2	1.7	Clay	45.55	16.06	6.28	0.83	10.76	2.46	0.21	2.17	0.05	15.08	99.64
	GSBH-1/18	C/D/25-26/2802	19.2	20	0.8	Marl	26.44	9.81	5.62	0.54	28.55	1.71	0.14	1.2	0.04	25.41	99.77
	GSBH-1/19	C/D/25-26/2803	20	20.7	0.7	Clay	52.2	17.79	8.04	1.04	4.97	2.54	0.24	2.48	0.09	10.04	99.75
	GSBH-1/20	C/D/25-26/2804	20.7	21.4	0.7	Limestone [Cement grade (Blendable/Benificiable/Portland)]	12.07	4.57	3.72	0.31	42.91	0.96	0.09	0.46	0.04	34.42	99.88
	GSBH-1/21	C/D/25-26/2805	21.4	22.15	0.75	Limestone [Cement grade (Blendable/Benificiable/Portland)]	11.5	4.26	2.74	0.28	43.74	0.92	0.1	0.4	0.05	35.55	99.89
	GSBH-1/22	C/D/25-26/2806	22.15	23	0.85	Marl	35.99	12.83	6.43	0.75	20.33	2.01	0.17	1.6	0.04	19.52	99.85
	GSBH-1/23	C/D/25-26/2807	23	24	1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	18.18	6.55	6.64	0.49	35.75	1.58	0.14	0.71	0.04	29.39	99.87
	GSBH-1/24	C/D/25-26/2808	24	24.7	0.7	Marl	22.66	7.63	6.42	0.58	33.09	1.86	0.19	0.9	0.04	26.09	99.84
	GSBH-1/25	C/D/25-26/2809	24.7	25.5	0.8	Marl	21.33	7.56	6	0.58	32.85	1.86	0.15	0.97	0.05	28.15	99.84
	GSBH-1/26	C/D/25-26/2810	25.5	26.2	0.7	Clay	38.32	13.45	8.49	0.79	17.58	2.49	0.31	1.75	0.05	15.88	99.78
	GSBH-1/27	C/D/25-26/2811	26.2	27	0.8	Marl	31.77	9.46	7.34	0.62	27.05	2.11	0.53	1.32	0.06	18.87	99.77
	GSBH-1/28	C/D/25-26/2812	27	28	1	Marl	38.59	9.49	7.55	0.64	25.11	0	0.82	1.35	0.04	15.41	99.66
	GSBH-1/29	C/D/25-26/2813	28	30	2	Clay	50.9	16.65	7.78	0.89	7.61	2.98	0.4	2.53	0.06	9.58	99.71
GSBH-02	GSBH-2/01	C/D/25-26/2816	0.35	1	0.65	Limestone [Cement grade (Blendable/Benificiable/Portland)]	1.81	1.32	2.56	0.2	52.19	0.21	0.26	0.13	0.12	41.68	100.47
	GSBH-2/02	C/D/25-26/2817	1	2	1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	6.7	3.29	1.99	0.17	47.33	0.79	0.08	0.23	0.04	39.15	99.85
	GSBH-2/03	C/D/25-26/2818	2	3	1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	5.21	2.72	1.45	0.13	48.94	0.66	0.06	0.18	0.03	40.44	99.92
	GSBH-2/04	C/D/25-26/2819	3	4	1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	3.79	1.92	1.22	0.09	50.57	0.55	0.04	0.14	0.02	41.5	99.93
	GSBH-2/05	C/D/25-26/2820	4	5	1	Limestone [Cement grade (Blendable/Benificiable/Portland)]	5.92	2.4	1.3	0.1	49.32	0.63	0.04	0.21	0.02	39.81	99.89
	GSBH-2/06	C/D/25-26/2821	5	6	1	Marl	30.94	11.55	3.7	0.44	24.91	1.94	0.19	1.51	0.03	24.56	99.88
	GSBH-2/07	C/D/25-26/2822	6	8	2	Clay	37.37	13.71	4.79	0.56	18.94	2.32	0.23	1.92	0.04	19.8	99.81
	GSBH-2/08	C/D/25-26/2823	8	10	2	Clay	45.32	16.53	6.29	0.65	11.71	2.75	0.27	2.79	0.03	13.3	99.8
	GSBH-2/09	C/D/25-26/2824	10	11	1	Clay	45.58	17.04	7.14	0.71	10.26	2.75	0.26	2.79	0.04	13	99.75
	GSBH-2/10	C/D/25-26/2825	11	13	2	Clay	47.22	17.57	7.2	0.73	8.63	2.85	0.26	2.89	0.04	12.2	99.78
	GSBH-2/11	C/D/25-26/2826	13	15	2	Clay	46.47	17.22	6.9	0.69	9.64	2.85	0.26	2.96	0.04	12.54	99.76
GSBH-03	GSBH-3/01	C/D/25-26/2829	0.65	1	0.35	Limestone [Cement grade (Blendable/Benificiable/Portland)]	6.37	3.78	1.39	0.14	46.48	0.95	0.07	0.29	0.07	40.32	99.94
	GSBH-3/02	C/D/25-26/2830	1	2.2	1.2	Limestone [Cement grade (Blendable/Benificiable/Portland)]	8.26	5.15	1.45	0.18	44.37	1.15	0.1	0.38	0.05	38.79	99.95
	GSBH-3/03	C/D/25-26/2831	2.2	3.2	1	Marl	31.89	13.35	5.48	0.57	22.59	2.42	0.19	1.54	0.03	21.7	99.86
	GSBH-3/04	C/D/25-26/2832	3.2	4.7	1.5	Limestone [Cement grade (Blendable/Benificiable/Portland)]	40.88	15.61	6.21	0.62	41.24	2.85	0.21	2.26	0.03	16.82	99.86
	GSBH-3/05	C/D/25-26/2833	4.7	5.25	0.55	Limestone [Cement grade (Blendable/Benificiable/Portland)]	14.66	4.82	2.71	0.22	42.21	1	0.09	0.37	0.03	33.69	99.92
	GSBH-3/06	C/D/25-26/2834	5.25	6	0.75	Marl	34.55	11.84	4.81	0.59	23.35	2.01	0.17	1.43	0.02	20.98	99.86
	GSBH-3/07	C/D/25-26/2835	6	6.85	0.85	Clay	36.75	12.78	5.14	0.6	19.74	2.17	0.16	1.52	0.02	20.87	99.89
	GSBH-3/08	C/D/25-26/2836	6.85	7.5	0.65	Marl	22.28	7.58	4.09	0.37	33.09	1.34	0.12	0.77	0.03	30.1	99.87
	GSBH-3/09	C/D/25-26/2837	7.5	8.75	1.25	Limestone [Cement grade (Blendable/Benificiable/Portland)]	20.26	6.76	5	0.36	35.46	1.22	0.11	0.67	0.03	29.77	99.9
	GSBH-3/10	C/D/25-26/2838	8.75	10	1.25	Marl	28.5	9.63	5.68	0.54	28.78	1.67	0.12	1.27	0.04	23.37	99.85
	GSBH-3/11	C/D/25-26/2839	10	11.2	1.2	Marl	32.59	11.51	4.97	0.56	23.41	1.79	0.18	1.23	0.03	23.48	99.9
	GSBH-3/12	C/D/25-26/2840	11.2	13	1.8	Clay	44.26	15.5	6.82	0.73	12.25	2.33	0.19	2.04	0.04	15.54	99.86
	GSBH-3/13	C/D/25-26/2841	13	15	2	Clay	48.88	17.53	8.21	0.85	7.19	2.45	0.21	2.3	0.03	11.98	99.85

BHID	SAMPLE CODE	LAB. REF. NO.	FROM (m)	TO (m)	THICKNESS (m)	LITHOLOGY	SiO2	Al2O3	Fe2O3	TiO2	CaO	MgO	Na2O	K2O	So3	LOI	TOTAL
							%	%	%	%	%	%	%	%	%	%	%
GSBH-05	GSBH-5/01	C/D/25-26/2844	0.82	2	1.18	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.04	3.07	1.72	0.16	52.64	0.82	0.07	0.17	0.03	32.85	99.92
	GSBH-5/02	C/D/25-26/2845	2	3	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.92	3.22	1.39	0.14	47.93	0.80	0.07	0.25	0.02	37.05	99.93
	GSBH-5/03	C/D/25-26/2846	3	3.68	0.68	Limestone [Cement grade (Blendable/Beneficial/Portland)]	19.28	6.24	3.39	0.29	39.26	1.26	0.17	0.66	0.03	29.23	99.89
	GSBH-5/04	C/D/25-26/2847	3.68	5.18	1.5	Clay	46.32	15.90	6.39	0.65	10.83	2.64	0.25	2.09	0.03	14.71	99.88
	GSBH-5/05	C/D/25-26/2848	5.18	5.8	0.62	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.73	2.28	1.34	0.10	49.79	0.61	0.04	0.17	0.02	39.78	99.95
	GSBH-5/06	C/D/25-26/2849	5.8	6.6	0.8	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.70	2.98	1.82	0.15	48.14	0.63	0.06	0.23	0.02	38.14	99.94
	GSBH-5/07	C/D/25-26/2850	6.6	7.4	0.8	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.32	4.57	2.30	0.24	44.01	0.88	0.09	0.40	0.04	34.02	99.90
	GSBH-5/08	C/D/25-26/2851	7.4	8.4	1	Marl	29.53	8.36	3.26	0.42	31.30	1.26	0.20	0.75	0.03	24.71	99.89
	GSBH-5/09	C/D/25-26/2852	8.4	9.25	0.85	Clay	36.71	12.86	4.89	0.53	19.55	2.29	0.20	1.60	0.04	21.13	99.88
	GSBH-5/10	C/D/25-26/2853	9.25	10	0.75	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.57	5.46	3.14	0.29	39.26	1.01	0.14	0.49	0.02	32.46	99.91
	GSBH-5/11	C/D/25-26/2854	10	10.68	0.68	Marl	37.21	11.94	4.77	0.62	21.33	2.06	0.19	1.41	0.03	20.21	99.87
	GSBH-5/12	C/D/25-26/2855	10.68	11.3	0.62	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.59	3.76	1.71	0.21	44.79	0.79	0.07	0.39	0.02	37.48	99.86
	GSBH-5/13	C/D/25-26/2856	11.3	12.2	0.9	Limestone [Cement grade (Blendable/Beneficial/Portland)]	4.72	1.98	1.41	0.11	50.88	0.53	0.03	0.14	0.02	40.05	99.94
	GSBH-5/14	C/D/25-26/2857	12.2	13	0.8	Clay	38.96	13.13	5.05	0.58	17.55	2.29	0.20	1.64	0.03	20.20	99.71
	GSBH-5/15	C/D/25-26/2858	13	14	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	9.85	3.95	2.34	0.22	44.79	0.80	0.06	0.35	0.03	37.47	99.92
	GSBH-5/16	C/D/25-26/2859	14	14.5	0.5	Limestone [Cement grade (Blendable/Beneficial/Portland)]	19.40	6.93	3.41	0.35	35.61	1.29	0.12	0.75	0.02	31.94	99.91
	GSBH-5/17	C/D/25-26/2860	14.5	14.82	0.32	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.67	2.93	1.81	0.13	47.55	0.69	0.06	0.33	0.02	37.59	99.95
	GSBH-5/18	C/D/25-26/2861	14.82	16	1.18	Clay	48.38	16.68	6.16	0.65	9.37	2.99	0.27	3.29	0.03	11.72	99.80
	GSBH-5/19	C/D/25-26/2862	16	18	2	Marl	35.18	12.35	4.59	0.51	21.93	2.18	0.21	1.77	0.03	21.00	99.86
	GSBH-5/20	C/D/25-26/2863	18	20	2	Clay	50.65	18.03	6.37	0.69	6.27	3.23	0.27	3.64	0.03	10.38	99.80
GSBH-06	GSBH-6/01	C/D/25-26/2866	0	1	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	11.54	4.71	2.26	0.3	43.82	0.98	0.05	0.33	0.03	35.67	99.88
	GSBH-6/02	C/D/25-26/2867	1	2	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	4.4	1.94	2.84	0.13	49.35	0.57	0.04	0.11	0.03	40.18	99.96
	GSBH-6/03	C/D/25-26/2868	2	3	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.24	3.05	3.61	0.18	46.22	0.69	0.05	0.19	0.04	38.34	99.92
	GSBH-6/04	C/D/25-26/2869	3	4	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.73	3.08	1.69	0.14	48.59	0.71	0.06	0.15	0.02	36.31	99.94
	GSBH-6/05	C/D/25-26/2870	4	5	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.28	3.63	1.52	0.15	47.27	0.73	0.07	0.19	0.02	35.69	99.93
	GSBH-6/06	C/D/25-26/2871	5	6	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.38	3.58	1.64	0.17	46.9	0.76	0.07	0.21	0.03	35.93	99.95
	GSBH-6/07	C/D/25-26/2872	6	7	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	19.98	5.85	3	0.53	38.57	1.25	0.2	0.43	0.02	29.79	99.9
	GSBH-6/08	C/D/25-26/2873	7	8	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	14.48	4.08	2.72	0.28	42.62	0.94	0.17	0.38	0.02	33.95	99.89
	GSBH-6/09	C/D/25-26/2874	8	9.2	1.2	Marl	36.55	8.9	3.39	0.56	27.53	1.54	0.63	1.14	0.03	19.39	99.86
	GSBH-6/10	C/D/25-26/2875	9.2	10.27	1.07	Clay	53.51	13.91	5.04	0.71	9.87	2.24	0.61	1.94	0.03	11.83	99.8
	GSBH-6/11	C/D/25-26/2876	10.27	11.2	0.93	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.6	5.11	2.55	0.29	39.54	1.11	0.23	0.6	0.03	33.52	99.87
	GSBH-6/12	C/D/25-26/2877	11.2	13	1.8	Clay	45.01	13.99	4.95	0.61	14.01	3.25	0.55	2.31	0.03	14.92	99.88
GSBH-07	GSBH-7/01	C/D/25-26/2880	0.1	1	0.9	Limestone [Cement grade (Blendable/Beneficial/Portland)]	9.58	3.64	2.51	0.28	45.92	1.04	0.1	0.31	0.06	36.22	99.86
	GSBH-7/02	C/D/25-26/2881	1	2	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.93	3.52	2.18	0.24	46.77	0.8	0.04	0.24	0.05	36.91	99.86
	GSBH-7/03	C/D/25-26/2882	2	3	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.77	3.19	1.97	0.19	47.18	0.72	0.05	0.17	0.03	38.53	99.89
	GSBH-7/04	C/D/25-26/2883	3	4	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.12	4.41	3.06	0.27	42.29	1.01	0.06	0.22	0.03	38.33	99.91
	GSBH-7/05	C/D/25-26/2884	4	5	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.92	3.34	1.56	0.15	47.22	0.72	0.04	0.18	0.04	38.73	99.95
	GSBH-7/06	C/D/25-26/2885	5	6	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	9.04	3.63	1.91	0.2	46.18	0.69	0.05	0.2	0.04	37.93	99.93
	GSBH-7/07	C/D/25-26/2886	6	7	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.39	5.79	2.61	0.34	40	1.02	0.08	0.34	0.03	32.22	99.93
	GSBH-7/08	C/D/25-26/2887	7	8	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.83	5.12	2.54	0.31	41.29	1.02	0.09	0.32	0.02	33.14	99.91
	GSBH-7/09	C/D/25-26/2888	8	9	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.57	5.97	3.43	0.37	38.57	1.15	0.1	0.45	0.02	31.9	99.86
	GSBH-7/10	C/D/25-26/2889	9	11	2	Clay	55.06	16.66	6.09	0.78	6.34	2.77	0.2	2.44	0.02	9.35	99.82
	GSBH-7/11	C/D/25-26/2890	11	12.5	1.5	Clay	50.37	14.94	5.74	0.7	11.16	2.54	0.22	2.23	0.02	11.75	99.78
	GSBH-7/12	C/D/25-26/2891	12.5	14.15	1.65	Clay	45.74	14.07	5.6	0.72	14.26	2.39	0.22	1.92	0.03	14.74	99.81
	GSBH-7/13	C/D/25-26/2892	14.15	15	0.85	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.07	4.8	2.49	0.24	40.27	0.94	0.1	0.49	0.03	35.31	99.94
	GSBH-7/14	C/D/25-26/2893	15	16	1	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17	5.12	2.6	0.26	41.1	0.96	0.11	0.56	0.02	32.05	99.9
	GSBH-7/15	C/D/25-26/2894	16	16.8	0.8	Limestone [Cement grade (Blendable/Beneficial/Portland)]	21.11	6.67	2.97	0.35	36.13	1.23	0.16	0.77	0.02	30.29	99.86
	GSBH-7/16	C/D/25-26/2895	16.8	18	1.2	Clay	50.18	15.67	6.23	0.77	9.98	2.72	0.19	2.28	0.03	11.69	99.84