

BOREHOLE CORE SAMPLE CHEMICAL ANALYSIS RESULTS

BLOCK NAME: HARNASA-UMBRI BLOCK
TALUKA: SUTRAPADA
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
							%	%	%	%	%	%	%	%	%	%	%
HUBH-01	HUBH-01/1	C/D/25-26/3180	1.00	1.45	0.45	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.29	6.58	4.03	0.47	38.88	1.48	0.18	0.60	0.10	31.02	99.83
	HUBH-01/2	C/D/25-26/3181	1.45	2.00	0.55	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.44	6.10	3.52	0.43	42.03	1.39	0.07	0.38	0.06	32.30	99.85
	HUBH-01/3	C/D/25-26/3182	2.00	3.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.49	6.69	4.39	0.57	39.21	1.63	0.08	0.45	0.05	30.15	99.84
	HUBH-01/4	C/D/25-26/3183	3.00	4.00	1.00	Marl	22.88	8.72	5.41	0.69	32.26	2.16	0.13	0.67	0.05	26.71	99.84
	HUBH-01/5	C/D/25-26/3184	4.00	5.00	1.00	Clay	44.15	9.10	8.64	0.20	16.82	2.41	0.57	0.60	0.18	17.52	100.35
	HUBH-01/6	C/D/25-26/3185	5.00	6.00	1.00	Marl	23.53	8.74	4.65	0.56	32.73	2.13	0.19	0.76	0.05	26.42	99.87
	HUBH-01/7	C/D/25-26/3186	6.00	7.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.60	6.76	4.06	0.49	38.20	1.71	0.10	0.49	0.06	31.25	99.86
	HUBH-01/8	C/D/25-26/3187	7.00	8.00	1.00	Marl	28.17	10.00	6.13	0.76	28.07	2.66	0.18	0.88	0.05	22.76	99.84
	HUBH-01/9	C/D/25-26/3188	8.00	9.00	1.00	Marl	32.20	4.05	4.16	0.20	29.44	1.20	0.80	0.27	0.31	26.59	99.46
	HUBH-01/10	C/D/25-26/3189	9.00	10.00	1.00	Marl	34.19	11.94	6.95	0.87	21.56	2.90	0.29	1.09	0.03	19.81	99.82
	HUBH-01/11	C/D/25-26/3190	10.00	11.00	1.00	Marl	35.47	12.24	6.24	0.84	21.49	2.75	0.44	1.04	0.04	19.08	99.81
	HUBH-01/12	C/D/25-26/3191	11.00	12.50	1.50	Marl	29.31	9.57	5.11	0.71	28.24	2.43	0.25	0.92	0.04	23.09	99.82
	HUBH-01/13	C/D/25-26/3192	12.50	14.00	1.50	Marl	31.48	9.78	5.01	0.66	28.05	2.34	0.36	0.98	0.05	20.83	99.81
HUBH-02	HUBH-02/1	C/D/25-26/3193	2.00	3.00	1.00	Marl	22.03	8.56	4.87	0.55	32.121	2.46	0.27	0.75	0.07	27.98	99.83
	HUBH-02/2	C/D/25-26/3194	3.00	4.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	3.31	1.7	0.75	0.09	52.59	0.6	0.05	0.09	0.04	40.47	99.78
	HUBH-02/3	C/D/25-26/3195	4.00	5.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	1.11	2.67	0.4	0.2	51.31	1.2	0.07	0.02	0.29	41.75	99.1
	HUBH-02/4	C/D/25-26/3196	5.00	6.00	1.00	Marl	32.99	12.34	8.34	1.05	21.5	2.77	0.14	0.92	0.04	19.52	99.77
	HUBH-02/5	C/D/25-26/3197	6.00	7.00	1.00	Marl	31.4	11.74	7.33	0.91	23.77	2.66	0.12	0.97	0.05	20.71	99.82
	HUBH-02/6	C/D/25-26/3198	7.00	8.00	1.00	Marl	33.36	12.43	7.77	1.03	20.96	2.81	0.18	0.83	0.04	20.23	99.8
HUBH-03	HUBH-03/1	C/D/25-26/3199	1.20	2.00	0.80	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.18	3.59	2.52	0.31	46.67	1	0.1	0.3	0.06	36.92	99.82
	HUBH-03/2	C/D/25-26/3200	2.00	3.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	4.97	2.35	1.37	0.14	49.43	0.83	0.07	0.18	0.06	40.29	99.83
	HUBH-03/3	C/D/25-26/3201	3.00	4.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	3.92	1.91	1.19	0.12	50.64	0.8	0.04	0.12	0.06	40.78	99.76
	HUBH-03/4	C/D/25-26/3202	4.00	5.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	4.53	2.09	1.38	0.15	50.28	0.8	0.06	0.15	0.06	40.21	99.84
	HUBH-03/5	C/D/25-26/3203	5.00	6.30	1.30	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.03	2.2	1.62	0.14	49.99	0.76	0.07	0.18	0.04	39.7	99.88
	HUBH-03/6	C/D/25-26/3204	6.30	7.00	0.70	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.3	5.88	3.06	0.35	40.97	1.36	0.06	0.35	0.04	34.38	99.88
	HUBH-03/7	C/D/25-26/3205	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	11.97	5.15	3.08	0.32	42.81	1.29	0.05	0.31	0.04	34.81	99.92
	HUBH-03/8	C/D/25-26/3206	8.00	9.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	11.73	5.09	3.15	0.32	43.16	1.25	0.05	0.33	0.04	34.64	99.89
	HUBH-03/9	C/D/25-26/3207	9.00	9.50	0.50	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.21	6.97	4.18	0.45	37.76	1.71	0.06	0.49	0.03	30.88	99.89
	HUBH-03/10	C/D/25-26/3208	9.50	10.30	0.80	Marl	22.8	8.91	5.33	0.6	31.66	2.14	0.09	0.63	0.04	27.54	99.88
	HUBH-03/11	C/D/25-26/3209	10.30	11.35	1.05	Marl	22.93	9.55	5.51	0.65	30.64	1.87	0.09	0.42	0.03	28.03	99.88
	HUBH-03/12	C/D/25-26/3210	11.35	12.35	1.00	Clay	33.53	13.56	9.26	1.02	17.3	3.66	0.28	0.35	0.02	20.6	99.82
	HUBH-03/13	C/D/25-26/3211	12.35	13.50	1.15	Marl	31.7	11.86	8.66	1.05	20.45	3.12	0.29	0.41	0.02	21.97	99.86
	HUBH-03/14	C/D/25-26/3212	13.50	15.00	1.50	Clay	44.38	13.56	12.96	0.2	10.93	1.81	0.12	0.01	0.32	15.73	100.25
HUBH-04	HUBH-04/1	C/D/25-26/3213	1.00	2.00	1.00	Cement/ Blendable Grade Limestone	1.99	0.91	0.42	0.05	53.12	0.62	0.07	0.07	0.11	42.34	99.77
	HUBH-04/2	C/D/25-26/3214	2.00	3.00	1.00	Cement/ Blendable Grade Limestone	2.35	1.05	0.61	0.09	52.79	0.65	0.06	0.08	0.1	41.87	99.75
	HUBH-04/3	C/D/25-26/3215	3.00	3.35	0.35	Cement/ Blendable Grade Limestone	2.26	1.04	0.43	0.05	52.75	0.65	0.05	0.09	0.13	42.3	99.78
	HUBH-04/4	C/D/25-26/3216	3.35	4.78	1.43	Marl	22.06	7.43	4.44	0.64	31.95	2.09	0.37	0.48	0.08	30.06	99.75
	HUBH-04/5	C/D/25-26/3217	4.78	5.27	0.49	Cement/ Blendable Grade Limestone	5.85	2.43	1.27	0.15	48.75	0.84	0.11	0.21	0.09	40.06	99.85
	HUBH-04/6	C/D/25-26/3218	5.27	6.00	0.73	Cement/ Blendable Grade Limestone	16.08	5.66	3.73	0.57	38.31	1.55	0.21	0.37	0.07	33.06	99.77
	HUBH-04/7	C/D/25-26/3219	6.00	7.00	1.00	Cement/ Blendable Grade Limestone	18.31	6.79	4.07	0.52	35.56	1.85	0.21	0.46	0.06	31.84	99.83
	HUBH-04/8	C/D/25-26/3220	7.00	8.00	1.00	Marl	20.78	7.91	4.68	0.57	32.62	2.05	0.16	0.54	0.06	30.29	99.83
	HUBH-04/9	C/D/25-26/3221	8.00	9.00	1.00	Marl	19.72	7.46	4.4	0.52	33.8	1.95	0.15	0.51	0.07	31.09	99.83
HUBH-05	HUBH-05/1	C/D/25-26/3222	0.50	1.00	0.50	Limestone [Cement grade (Blendable/Beneficial/Portland)]	11.25	4.33	2.14	0.27	43.64	1.22	0.13	0.39	0.09	36.3	99.86
	HUBH-05/2	C/D/25-26/3223	1.00	1.65	0.65	Limestone [Cement grade (Blendable/Beneficial/Portland)]	2.19	1.08	3.44	0.07	52.8	0.54	0.05	0.08	0.08	42.37	99.76
	HUBH-05/3	C/D/25-26/3224	1.65	3.00	1.35	Limestone [Cement grade (Blendable/Beneficial/Portland)]	18.42	6.92	3.93	0.5	35.78	1.82	0.15	0.59	0.07	31.53	99.87
	HUBH-05/4	C/D/25-26/3225	3.00	4.00	1.00	Marl	21.78	8.2	4.92	0.58	32.34	2.19	0.18	0.68	0.06	28.73	99.84
	HUBH-05/5	C/D/25-26/3226	4.00	5.00	1.00	Marl	25.69	9.47	5.8	0.7	28.41	2.6	0.19	0.77	0.06	25.96	99.8
	HUBH-05/6	C/D/25-26/3227	5.00	6.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.62	6.59	3.99	0.47	37.53	1.78	0.11	0.54	0.06	32.04	99.88
	HUBH-05/7	C/D/25-26/3228	6.00	7.00	1.00	Clay	38.66	10.1	8.32	0.61	17.66	2.41	0.9	0.15	0.89	19.4	99.27
	HUBH-05/8	C/D/25-26/3229	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	19.08	7.48	4.09	0.48	34.54	1.95	0.14	0.57	0.06	31.25	99.84
	HUBH-05/9	C/D/25-26/3230	8.00	9.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.83	6.74	3.78	0.44	36.45	1.72	0.11	0.56	0.06	32.02	99.86
	HUBH-05/10	C/D/25-26/3231	9.00	9.80	0.80	Clay	40.25	10.29	8.08	0.3	19.06	1.41	0.1	0.15	1.03	18.28	99.13
	HUBH-05/11	C/D/25-26/3232	9.80	11.00	1.20	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.15	2.93	1.49	0.17	48.42	0.78	0.06	0.13	0.02	38.67	99.94
	HUBH-05/12	C/D/25-26/3233	11.00	12.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.09	3.02	1.35	0.13	49.04	0.68	0.11	0.18	0.02	37.19	99.95
	HUBH-05/13	C/D/25-26/3234	12.00	12.40	0.40	Limestone [Cement grade (Blendable/Beneficial/Portland)]	7.61	3.02	1.39	0.14	49.01	0.71	0.09	0.16	0.02	37.65	99.93

BHID	SAMPLE CODE	LAB. REF. NO.	FROM (m)	TO (m)	THICKNESS (m)	LITHOLOGY	SiO2	Al2O3	Fe2O3	TiO2	CaO	MgO	Na2O	K2O	So3	LOI	TOTAL
							%	%	%	%	%	%	%	%	%	%	%
	HUBH-05/14	C/D/25-26/3235	12.40	13.00	0.60	Marl	20.97	8.01	4.29	0.51	32.92	2.04	0.14	0.62	0.05	30.17	99.86
	HUBH-05/15	C/D/25-26/3236	13.00	14.00	1.00	Marl	26.16	8.41	4.07	0.61	30.04	2.08	0.24	0.67	0.07	27.31	99.81
	HUBH-05/16	C/D/25-26/3237	14.00	15.00	1.00	Marl	33.6	12.15	5.75	0.76	20.74	3.02	0.21	0.94	0.06	22.42	99.82
HUBH-06	HUBH-06/1	C/D/25-26/3238	0.65	2.00	1.35	Marl	24.4	9.1	4.67	0.53	29.78	2.67	0.4	0.84	0.06	27.21	99.84
	HUBH-06/2	C/D/25-26/3239	2.00	3.00	1.00	Marl	20.71	8.1	4.4	0.53	33.48	2.32	0.3	0.67	0.06	29.1	99.83
	HUBH-06/3	C/D/25-26/3240	3.00	4.00	1.00	Clay	35.11	13.83	6.97	0.82	18.78	3.57	0.26	1	0.05	19.25	99.81
	HUBH-06/4	C/D/25-26/3241	4.00	5.00	1.00	Clay	50.24	9.86	9.28	0.4	12.05	2.21	0.2	0.11	0.42	14.27	99.25
	HUBH-06/5	C/D/25-26/3242	5.00	6.40	1.40	Clay	38.92	11.33	8.72	0.51	16.26	2.82	0.17	0.51	0.98	18.84	99.25
	HUBH-06/6	C/D/25-26/3243	6.40	7.00	0.60	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.35	6.47	4.09	0.44	39.28	1.59	0.11	0.48	0.04	31.68	99.87
	HUBH-06/7	C/D/25-26/3244	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	6.43	2.99	1.96	0.17	47.7	0.73	0.07	0.11	0.03	39.32	99.92
	HUBH-06/8	C/D/25-26/3245	8.00	9.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.48	3.23	1.7	0.16	47.2	0.78	0.06	0.15	0.03	37.73	99.93
	HUBH-06/9	C/D/25-26/3246	9.00	10.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	12.39	4.86	3.07	0.29	43.49	1.02	0.1	0.2	0.02	34.14	99.91
	HUBH-06/10	C/D/25-26/3247	10.00	11.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.09	4.84	2.32	0.41	43.28	0.97	0.1	0.33	0.02	32.17	99.9
	HUBH-06/11	C/D/25-26/3248	11.00	12.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.62	3.11	2.39	0.22	47.38	0.76	0.09	0.21	0.02	34.47	99.92
	HUBH-06/12	C/D/25-26/3249	12.00	13.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.12	3.68	2.84	0.21	43.62	1.02	0.06	0.36	0.03	37.69	99.92
	HUBH-06/13	C/D/25-26/3250	13.00	15.00	2.00	Marl	26.69	8.42	4.14	0.42	31.27	2	0.27	0.92	0.03	25.38	99.76
	HUBH-06/14	C/D/25-26/3251	15.00	17.00	2.00	Clay	36.92	12.52	5.3	0.66	16.77	3	0.25	1.2	0.05	22.94	99.76
	HUBH-06/15	C/D/25-26/3252	17.00	18.00	1.00	Clay	44.91	12.79	5.24	0.64	14.86	3.15	0.27	1.63	0.03	16.14	99.79
HUBH-07	HUBH-07/1	C/D/25-26/3253	1.25	2.00	0.75	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.15	2.36	1.13	0.12	48.17	0.88	0.07	0.16	0.07	41.6	99.87
	HUBH-07/2	C/D/25-26/3254	2.00	2.40	0.40	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.68	4.78	2.72	0.37	41.5	1.28	0.12	0.37	0.08	34.77	99.84
	HUBH-07/3	C/D/25-26/3255	2.40	3.00	0.60	Limestone [Cement grade (Blendable/Beneficial/Portland)]	6.2	2.35	1.41	0.14	49.69	0.78	0.06	0.14	0.05	38.92	99.85
	HUBH-07/4	C/D/25-26/3256	3.00	3.45	0.45	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.8	3.46	2.03	0.3	45.43	0.97	0.1	0.22	0.06	36.35	99.87
	HUBH-07/5	C/D/25-26/3257	3.45	4.00	0.55	Limestone [Cement grade (Blendable/Beneficial/Portland)]	9.75	3.21	2.24	0.23	48.19	0.81	0.06	0.17	0.04	35.04	99.9
	HUBH-07/6	C/D/25-26/3258	4.00	6.00	2.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.42	3.96	2.61	0.27	45.39	1.05	0.05	0.28	0.05	35.73	99.92
	HUBH-07/7	C/D/25-26/3259	6.00	7.00	1.00	Marl	24.7	8.97	5.59	0.71	32.59	0	0.12	0.57	0.04	26.4	99.82
	HUBH-07/8	C/D/25-26/3260	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	14.69	4.9	2.94	0.3	42.84	1.16	0.09	0.28	0.03	32.41	99.89
	HUBH-07/9	C/D/25-26/3261	8.00	9.00	1.00	Clay	49.41	7.79	9.88	0.61	11.88	4.09	0.59	0.39	0.51	13.8	99.07
HUBH-08	HUBH-08/1	C/D/25-26/3262	1.00	2.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.44	2.4	1.32	0.15	48.25	0.88	0.04	0.16	0.06	41.05	99.88
	HUBH-08/2	C/D/25-26/3263	2.00	2.80	0.80	Limestone [Cement grade (Blendable/Beneficial/Portland)]	9.79	4.34	2.08	0.26	44.31	1.06	0.06	0.29	0.06	37.56	99.91
	HUBH-08/3	C/D/25-26/3264	2.80	3.55	0.75	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.1	2.85	1.67	0.16	48.86	0.72	0.05	0.16	0.03	37.22	99.92
	HUBH-08/4	C/D/25-26/3265	3.55	4.80	1.25	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.54	6.65	2.86	0.36	38.64	1.24	0.07	0.34	0.03	34.11	99.92
	HUBH-08/5	C/D/25-26/3266	4.80	5.30	0.50	Limestone [Cement grade (Blendable/Beneficial/Portland)]	12.14	4.88	2.32	0.26	43.37	0.99	0.06	0.24	0.02	35.57	99.94
	HUBH-08/6	C/D/25-26/3267	5.30	6.00	0.70	Marl	19.97	8.07	5.38	0.75	34.7	1.52	0.09	0.36	0.04	28.95	99.91
	HUBH-08/7	C/D/25-26/3284	6.00	7.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.76	5.47	3.21	0.37	40.5	1.72	0.11	0.42	0.06	34.13	99.87
	HUBH-08/8	C/D/25-26/3285	7.00	8.00	1.00	Marl	28.55	11.31	6.19	0.74	25.2	3.35	0.15	0.8	0.06	23.32	99.82
	HUBH-08/9	C/D/25-26/3286	8.00	9.00	1.00	Marl	30.28	11.94	6.61	0.8	22.64	3.44	0.18	0.94	0.05	22.75	99.81
	HUBH-08/10	C/D/25-26/3287	9.00	10.00	1.00	Clay	38.56	13.73	7.93	0.97	15.34	4.08	0.26	1.54	0.04	17.13	99.77
	HUBH-08/11	C/D/25-26/3288	10.00	11.00	1.00	Clay	39.66	12.93	8.17	1.02	15.86	3.98	0.45	1.37	0.04	15.96	99.78
HUBH-09	HUBH-09/1	C/D/25-26/3289	1.00	2.00	1.00	Clay	44.2	14.86	8.82	1.08	10.11	4.57	0.39	1.7	0.03	13.7	99.75
	HUBH-09/2	C/D/25-26/3290	2.00	3.00	1.00	Clay	50.98	8.04	8.88	0.82	12.71	3.46	0.71	0.79	0.53	12.6	99.78
	HUBH-09/3	C/D/25-26/3291	3.00	4.00	1.00	Marl	34.53	6.06	4.08	0.2	28.61	1.76	0.38	0.34	0.37	23.61	100.15
	HUBH-09/4	C/D/25-26/3292	4.00	5.00	1.00	Marl	29.23	4.83	6.08	0.31	30.82	1.79	0.61	0.44	0.72	25.21	100.26
	HUBH-09/5	C/D/25-26/3293	5.00	6.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	4.7	1.95	1.47	0.11	49.39	0.86	0.08	0.2	0.05	40.95	99.9
	HUBH-09/6	C/D/25-26/3294	6.00	7.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.8	2.49	1.76	0.14	48.12	0.97	0.08	0.26	0.05	40.04	99.86
	HUBH-09/7	C/D/25-26/3295	7.00	8.00	1.00	Marl	32.06	12.68	6.77	0.84	21.32	3.53	0.22	0.89	0.07	21.23	99.79
	HUBH-09/8	C/D/25-26/3296	8.00	9.00	1.00	Marl	32.13	11.86	7.07	0.86	22.74	3.24	0.21	1	0.08	20.45	99.8
	HUBH-09/9	C/D/25-26/3297	9.00	10.00	1.00	Marl	24.69	2.8	4.64	0.61	31.24	0.87	4.71	0.7	0.13	29.69	100.23
HUBH-10	HUBH-10/1	C/D/25-26/3298	2.00	3.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	22.35	7.17	4.75	0.58	35.99	2.15	0.3	0.66	0.08	25.58	99.82
	HUBH-10/2	C/D/25-26/3276	3.00	4.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.22	4.02	2.43	0.28	43.39	1.24	0.14	0.16	0.07	37.69	99.87
	HUBH-10/3	C/D/25-26/3277	4.00	5.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	12.09	5.81	3.32	0.37	38.88	1.42	0.07	0.15	0.05	37.43	99.91
	HUBH-10/4	C/D/25-26/3278	5.00	6.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.82	6.92	3.39	0.43	38.3	1.31	0.12	0.12	0.03	35	99.89
	HUBH-10/5	C/D/25-26/3279	6.00	7.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	15.15	7.77	3.75	0.46	35.73	1.42	0.11	0.13	0.03	34.8	99.78
	HUBH-10/6	C/D/25-26/3280	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.87	6.76	3.14	0.43	38.18	1.48	0.16	0.11	0.03	35.39	99.88
	HUBH-10/7	C/D/25-26/3281	8.00	9.00	1.00	Marl	20.32	9.4	4.57	0.61	31.07	1.91	0.23	0.19	0.03	31.14	99.83
	HUBH-10/8	C/D/25-26/3282	9.00	10.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	13.86	5.65	3.41	0.37	40.58	1.75	0.11	0.44	0.06	33.51	99.88
	HUBH-10/9	C/D/25-26/3283	10.00	11.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	16.2	6.46	3.9	0.43	38.42	1.96	0.11	0.52	0.06	31.66	99.86
HUBH-11	HUBH-11/1	C/D/25-26/3268	1.00	2.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	20.44	7.26	4.57	0.67	37.01	1.67	0.08	0.49	0.04	27.52	99.88
	HUBH-11/2	C/D/25-26/3269	2.00	3.00	1.00	Marl	27.38	9.76	5.49	0.83	29.27	1.91	0.11	0.57	0.05	24.36	99.86
	HUBH-11/3	C/D/25-26/3270	3.00	3.70	0.70	Limestone [Cement grade (Blendable/Beneficial/Portland)]	17.93	6.3	3.26	0.43	39.29	1.43	0.13	0.36	0.03	30.58	99.86
	HUBH-11/4	C/D/25-26/3271	3.70	4.35	0.65	Limestone [Cement grade (Blendable/Beneficial/Portland)]	22.83	7.93	4.32	0.61	34.15	1.78	0.132	0.5	0.04	27.42	99.85
	HUBH-11/5	C/D/25-26/3272	4.35	5.35	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	20.62	7.17	3.88	0.46	36.47	1.68	0.11	0.4	0.03	28.83	99.83
	HUBH-11/6	C/D/25-26/3273	5.35	6.35	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	5.94	2.37	1.62	0.13	48.91	0.81	0.101	0.2	0.04	36.63	99.91
	HUBH-11/7	C/D/25-26/3274	6.35	7.00	0.65	Limestone [Cement grade (Blendable/Beneficial/Portland)]	8.94	4.1	2.43	0.27	44.08	1.17	0.09	0.21	0.05	38.35	99.88
	HUBH-11/8	C/D/25-26/3275	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Beneficial/Portland)]	10.31	4.08	2.45	0.27	43.33	1.29	0.16	0.16	0.06	37.52	99.87

BHID	SAMPLE CODE	LAB. REF. NO.	FROM (m)	TO (m)	THICKNESS (m)	LITHOLOGY	SiO2	Al2O3	Fe2O3	Tio2	CaO	MgO	Na2O	K2O	So3	LOI	TOTAL
							%	%	%	%	%	%	%	%	%	%	%
	HUBH-11/9	C/D/25-26/3299	8.00	9.00	1.00	Marl	23.66	8.05	4.94	0.6	33.78	2.44	0.29	0.72	0.08	25.03	99.81
	HUBH-11/10	C/D/25-26/3300	9.00	10.00	1.00	Marl	24.46	8.12	4.9	0.64	32.83	2.35	0.32	0.72	0.07	25.17	99.84
HUBH-12	HUBH-12/1	C/D/25-26/3301	0.20	1.00	0.80	Limestone [Cement grade (Blendable/Benificiable/Portland)]	4.53	1.78	1.12	0.11	50.05	0.81	0.07	0.16	0.08	40.91	99.73
	HUBH-12/2	C/D/25-26/3302	1.00	2.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	5.55	2.21	1.39	0.18	49.06	0.92	0.09	0.18	0.09	40.08	99.86
	HUBH-12/3	C/D/25-26/3303	2.00	3.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	5.08	1.97	1.12	0.17	50.72	79	0.04	0.17	0.06	39.63	99.9
	HUBH-12/4	C/D/25-26/3304	3.00	4.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	10.49	3.48	2.32	0.39	47.63	1.15	0.07	0.29	0	33.87	99.91
	HUBH-12/5	C/D/25-26/3305	4.00	5.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	15.21	5.28	3.32	0.42	40.91	1.5	0.08	0.43	7.052	32.53	99.87
	HUBH-12/6	C/D/25-26/3306	5.00	6.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	17.46	5.76	3.56	0.45	39	1.56	0.11	0.52	0.05	31.26	99.87
	HUBH-12/7	C/D/25-26/3307	6.00	7.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	14.86	4.91	3.18	0.38	42.82	1.47	0.1	0.51	0.04	31.47	99.89
	HUBH-12/8	C/D/25-26/3308	7.00	8.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	16.79	5.55	3.42	0.43	41.02	1.57	0.09	0.53	0.04	30.29	99.88
	HUBH-12/9	C/D/25-26/3309	8.00	9.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	12.67	3.99	2.66	0.33	44.11	1.28	0.13	0.33	0.05	34.17	99.9
	HUBH-12/10	C/D/25-26/3310	9.00	10.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	12.94	4.39	3.67	0.46	43.62	1.16	0.17	0.17	0.04	32.6	99.84
	HUBH-12/11	C/D/25-26/3311	10.00	11.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	12.71	3.98	2.8	0.38	44.14	1.17	0.16	0.28	0.05	33.9	99.89
	HUBH-12/12	C/D/25-26/3312	11.00	12.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	13.92	4.59	3.24	0.14	42.39	1.12	0.27	0.21	0.02	33.09	99.77
	HUBH-12/13	C/D/25-26/3313	12.00	13.00	1.00	Limestone [Cement grade (Blendable/Benificiable/Portland)]	15.97	5.06	2.93	0.34	41.13	1.13	0.33	0.29	0.03	32.25	99.87