

LITHOLOGS OF DRILLED BOREHOLES, SIMAR BLOCK, UNA TALUKA, GIR-SOMNATH DISTRICT	
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Borehole No.	SBH-1						Date of commencement			22-05-2025		
Coordinates							Date of closure			22-05-2025		
20°48'3.20"N	71°7'22.90"E						Final Depth			8.25		
R.L.	7.00											
Run Length		RUN	RECOVERY %	RECOVERY (m)	RQD (%)	LITHOLOGY	EXTRAPOLATION			REMARK		
FROM	TO						FROM	TO	THICKNESS			
0.00	1.00	1.00	80.00%	—		Top black soil	0.00	0.15	0.15			
				0.80	30.00	Whitish sandy limestone	0.15	1.00	0.85			
1.00	2.00	1.00	97.00%	0.59	10.00	Whitish sandy limestone	1.00	1.60	0.60			
				0.38		Pink to high sandy limestone	1.60	2.00	0.40			
2.00	3.00	1.00	98.00%	0.98	48.00	Whitish to light pinkish sandy limestone	2.00	3.00	1.00			
3.00	4.00	1.00	98.00%	0.98	43.00	Whitish sandy limestone	3.00	4.00	1.00			
4.00	5.00	1.00	98.00%	0.98		Whitish sandy limestone	4.00	5.00	1.00			
5.00	6.00	1.00	97.00%	0.66		Whitish sandy limestone	5.00	5.68	0.68			
				0.31		Light brown Calcareous clay	5.68	6.00	0.32			
6.00	7.00	1.00	98.00%	0.98	21.00	Light brown Calcareous clay	6.00	7.00	1.00			
7.00	8.00	1.00	98.00%	0.29		Light brown Calcareous clay with fine sand	7.00	7.30	0.30			
				0.69		weathered trap fragments with brownish clay	7.30	8.00	0.70			
8.00	8.25	0.25	96.00%	0.24		weathered trap fragments mixed with fine sand	8.00	8.25	0.25			
Borehole SBH- 1 closed at depth of 8.25 m												
Average core recovery (%) of Limestone in Borehole SBH-1 is 94.67												

Borehole No.	SBH-3						Date of commencement			26-05-2025		
Coordinates							Date of closure			26-05-2025		
20°47'40.30"N	71° 7'42.40"E						Final Depth			7.00		
R.L.	5.00											
Run Length		RUN	RECOVERY %	RECOVERY (m)	RQD (%)	LITHOLOGY	EXTRAPOLATION			REMARK		
FROM	TO						FROM	TO	THICKNESS			
0.00	1.00	1.00	89.00%	–	54.00	Top black soil	0.00	0.10	0.10			
				0.89		Dark brown clay mixed with low calcareous matter	0.10	1.00	0.90			
1.00	2.00	1.00	98.00%	0.98	46.00	Light brown clay mixed with low calcareous matter	1.00	2.00	1.00			
2.00	3.00	1.00	98.00%	0.98	67.00	Light brown clay mixed with low calcareous matter	2.00	3.00	1.00			
3.00	4.00	1.00	98.00%	0.98	44.00	Light brown clay mixed with low calcareous matter	3.00	4.00	1.00			
4.00	5.00	1.00	97.00%	0.97		Light grey clay mixed with low calcareous matter with fine to medium sand	4.00	5.00	1.00			
5.00	6.00	1.00	98.00%	0.98		Light grey clay mixed with low calcareous matter with fine to medium sand	5.00	6.00	1.00			
6.00	7.00	1.00	98.00%	0.92		weathered trap mixed with fine to medium sand	6.00	6.94	0.94			
				0.06		Light green to dark green olivine basalt	6.94	7.00	0.06			
Borehole SBH- 3 closed at depth of 7.00 m												

ANNEXURE-9	
LITHOLOGS OF DRILLED BOREHOLES, SIMAR BLOCK, UNA TALUKA, GIR-SOMNATH DISTRICT	

Borehole No.	SBH-4						Date of commencement			25-05-2025		
Coordinates							Date of closure			25-05-2025		
20°47'56.50"N	71° 7'53.10"E						Final Depth			10.00		
R.L.	6.00											
Run Length		RUN	RECOVERY %	RECOVERY (m)	RQD (%)	LITHOLOGY	EXTRAPOLATION			REMARK		
FROM	TO						FROM	TO	THICKNESS			
0.00	1.00	1.00	63.00%	—	34.00	Top brown soil	0.00	0.35	0.35			
				0.63		Brownish clay mixed with low calcareous matter	0.35	1.00	0.65			
1.00	2.00	1.00	98.00%	0.98	28.00	Brownish clay mixed with low calcareous matter	1.00	2.00	1.00			
2.00	3.00	1.00	98.00%	0.98	42.00	Brownish clay mixed with low calcareous matter	2.00	3.00	1.00			
3.00	4.00	1.00	98.00%	0.98	76.00	Light to dark brown clay mixed with low calcareous matter	3.00	4.00	1.00			
4.00	5.00	1.00	98.00%	0.98	82.00	Dark brown clay with low calcareous matter	4.00	5.00	1.00			
5.00	6.00	1.00	98.00%	0.98	87.00	Dark brown to light green clay with low calcareous matter	5.00	6.00	1.00			
6.00	7.00	1.00	98.00%	0.98	82.00	Dark brown to light green marl	6.00	7.00	1.00			
7.00	8.00	1.00	98.00%	0.98	24.00	Light grey to whitish sandy limestone	7.00	8.00	1.00			
8.00	9.00	1.00	97.00%	0.97	48.00	Whitish to light pinkish sandy limestone	8.00	9.00	1.00			
9.00	10.00	1.00	98.00%	0.98		fine calcareous marl	9.00	10.00	1.00			
Borehole SBH- 4 closed at depth of 10.00 m												
Average core recovery (%) of Limestone in Borehole SBH-4 is 97.50												