

Annexure -I

Detailed lithologs of boreholes of Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh (BH-1, BH-2, BH-4, BH-5, BH-6, BH-7, BH-8 & BH-9).

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-01	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	27-11-2025	Latitude:	23°59'51.798"N
Date of Completion:	02-12-2025	Longitude:	80°32'44.814"E
Core Size:	NQ	RL at Collar (m):	387.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	357.00 m
Water Level:	06.00 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.80	80%	Black colour fine-grained sandy Soil
2	1.00	2.00	1.00	0.85	85%	Black colour fine-grained sandy Soil
3	2.00	3.00	1.00	0.85	85%	Black colour fine-grained sandy Soil
4	3.00	4.00	1.00	0.87	87%	Black and light brown sandy Soil
5	4.00	5.00	1.00	0.75	75%	Light Grey fractured Limestone with fine-grained light Brown Sandy Clay
6	5.00	6.00	1.00	0.83	83%	Light Grey fractured Limestone with fine-grained light yellowish-brown Sandy Clay
7	6.00	7.00	1.00	0.77	77%	Light Grey fractured Limestone with fine to very fine-grained light yellowish-brown Sandy Clay

8	7.00	8.00	1.00	0.72	72%	Light Grey fractured Limestone with fine to very fine-grained light yellowish-brown Sandy Clay
9	8.00	9.00	1.00	0.79	79%	Light Grey fractured Limestone with fine to very fine-grained light yellowish-brown Sandy Clay
10	9.00	10.00	1.00	0.80	80%	Light yellowish-brown fine to very fine-grained Sandy Clay
11	10.00	11.00	1.00	0.87	87%	Light Grey fractured Limestone with fine to very fine-grained light yellowish-brown Sandy Clay
12	11.00	12.00	1.00	0.66	66%	Light Grey fractured Limestone with thin alternate bands of Shale
13	12.00	13.00	1.00	0.76	76%	Light Grey fractured Shale with thin alternate bands of Limestone
14	13.00	14.00	1.00	0.88	88%	Light Grey fractured Shale with thin alternate bands of Limestone
15	14.00	15.00	1.00	0.86	86%	Light Grey fractured Shale with thin alternate bands of Limestone
16	15.00	16.00	1.00	0.93	93%	Light Grey fractured Shale with thin alternate bands of Limestone
17	16.00	17.00	1.00	0.83	83%	Light Grey fractured Shale with thin alternate bands of Limestone
18	17.00	18.00	1.00	0.90	90%	Light Grey fractured Shale with thin alternate bands of Limestone
19	18.00	19.00	1.00	0.87	87%	Light Grey fractured Shale with thin alternate bands of Limestone
20	19.00	20.00	1.00	0.85	85%	Light Grey fractured Shale with thin alternate bands of Limestone
21	20.00	21.00	1.00	0.89	89%	Light Grey fractured Shale with thin alternate bands of Limestone
22	21.00	22.00	1.00	0.92	92%	Light Grey fractured Shale with thin alternate bands of Limestone
23	22.00	23.00	1.00	0.91	91%	Light Grey fractured Shale with thin alternate bands of Limestone
24	23.00	24.00	1.00	0.88	88%	Light Grey fractured Shale with thin alternate bands of Limestone
25	24.00	25.00	1.00	0.89	89%	Light Grey fractured Shale with thin alternate bands of Limestone

26	25.00	26.00	1.00	0.92	92%	Light Grey fractured Shale with thin alternate bands of Limestone
27	26.00	27.00	1.00	0.89	89%	Light Grey fractured Shale with thin alternate bands of Limestone
28	27.00	28.00	1.00	0.89	89%	Light Grey fractured Shale with thin alternate bands of Limestone
29	28.00	29.00	1.00	0.87	87%	Light Grey fractured Shale with thin alternate bands of Limestone
30	29.00	30.00	1.00	0.89	89%	Light Grey fractured Shale with thin alternate bands of Limestone
Total			30.00	25.39	85%	-

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-02	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	17-11-2025	Latitude:	24°0'44.10"N
Date of Completion:	25-11-2025	Longitude:	80°33'23.808"E
Core Size:	NQ	RL at Collar (m):	387.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	357.00 m
Water Level:	09.00 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.88	88%	Black colour fine-grained sandy Soil
2	1.00	2.00	1.00	0.87	87%	Black colour fine-grained sandy Soil
3	2.00	3.00	1.00	0.83	83%	Black and light brown colour fine-grained sandy Soil and pebbles of Limestone mixed with Soil
4	3.00	4.00	1.00	0.75	75%	Light Brown colour coarse to very fine Sandy Clay
5	4.00	5.00	1.00	0.83	83%	Light grey highly fractured and weathered Cobble and Pebbles of Limestone mixed with coarse to very fine-grained Calcareous Sand

6	5.00	6.00	1.00	0.86	86%	Light grey fractured Limestone and light yellowish-brown coarse to very fine-grained sandy clay
7	6.00	7.00	1.00	0.88	88%	Light yellowish-brown coarse to very fine-grained sandy clay
8	7.00	8.00	1.00	0.84	84%	Light grey fractured Limestone and light yellowish-brown coarse to very fine-grained sandy clay
9	8.00	9.00	1.00	0.85	85%	Light yellowish-brown fine to very fine-grained sandy clay and some Cobbles of Limestone
10	9.00	10.00	1.00	0.86	86%	Light yellowish-brown coarse to very fine-grained sandy clay
11	10.00	11.00	1.00	0.88	88%	Light grey, highly fractured and weathered Cobble and Pebbles of Limestone mixed with fine to very fine-grained sandy clay
12	11.00	12.00	1.00	0.79	79%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
13	12.00	13.00	1.00	0.93	93%	Light yellowish-brown fine to very fine-grained sandy clay and some Cobbles of Limestone
14	13.00	14.00	1.00	0.90	90%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
15	14.00	15.00	1.00	0.75	75%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
16	15.00	16.00	1.00	0.93	93%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
17	16.00	17.00	1.00	0.84	84%	Light and dark grey fractured Limestone with thin bands of Shale and light yellowish-brown fine to very fine-grained sandy clay
18	17.00	18.00	1.00	0.90	90%	Light and dark grey fractured Limestone with thin alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay
19	18.00	19.00	1.00	0.88	88%	Light and dark grey fractured Limestone with thick and thin alternate bands of

						Shale and light yellowish-brown fine to very fine-grained sandy clay
20	19.00	20.00	1.00	0.89	89%	Light and dark grey fractured Limestone with thick and thin alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay mixed with pebbles of Shale
21	20.00	21.00	1.00	0.88	88%	Light and dark grey fractured Limestone with thick and thin alternate bands of Shale
22	21.00	22.00	1.00	0.84	84%	Light and dark grey fractured Limestone with thick and thin alternate bands of Shale
23	22.00	23.00	1.00	0.91	91%	Light and dark grey fractured Limestone with thick alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay
24	23.00	24.00	1.00	0.76	76%	Light and dark grey fractured Limestone with thick alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay mixed with pebbles
25	24.00	25.00	1.00	0.86	86%	Light and dark grey fractured Limestone with thin alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay mixed with pebbles of Limestone
26	25.00	26.00	1.00	0.93	93%	Light and dark grey fractured Limestone with thin alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay mixed with pebbles of Limestone
27	26.00	27.00	1.00	0.84	84%	Light and dark grey fractured Limestone with thick alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay with pebbles of Limestone
28	27.00	28.00	1.00	0.82	82%	Light and dark grey fractured Limestone with thick alternate bands of Shale and light yellowish-brown fine to very fine-grained sandy clay with pebbles of Limestone
29	28.00	29.00	1.00	0.69	69%	Light and dark grey fractured Shale with thick alternate bands of Limestone
30	29.00	30.00	1.00	0.81	81%	Light and dark grey fractured Shale with thick alternate bands of Limestone
Total			30.00	25.48	85%	-

Bore Hole Core Log Sheet

Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh

Borehole No.:	BH-04	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	04-12-2025	Latitude:	24°00'45.54"N
Date of Completion:	11-12-2025	Longitude:	80°34'24.30"E
Core Size:	NQ	RL at Collar (m):	370.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	340.00 m
Water Level:	04.22 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.70	70%	Brown colour fine-grained sandy Soil and light yellowish-brown clay
2	1.00	2.00	1.00	0.80	80%	Light grey highly fractured and slight weathered Limestone and light yellowish-brown fine to very fine-grained sandy clay
3	2.00	3.00	1.00	0.91	91%	Light yellowish-brown colour fine-grained sandy clay and cobbles of weathered Limestone

4	3.00	4.00	1.00	0.80	80%	Brown colour fine-grained sandy clay
5	4.00	5.00	1.00	0.86	86%	Light grey highly fractured cobbles of Limestone and brown colour fine to very fine-grained sandy clay
6	5.00	6.00	1.00	0.85	85%	Light grey highly fractured Limestone and brown colour fine to very fine-grained sandy clay
7	6.00	7.00	1.00	0.90	90%	Light grey fractured Limestone and light brown fine to very fine-grained sandy clay
8	7.00	8.00	1.00	0.86	86%	Light grey fractured Limestone and light brown fine to very fine-grained sandy clay
9	8.00	9.00	1.00	0.88	88%	Light grey fractured Limestone and light brown fine to very fine-grained sandy clay
10	9.00	10.00	1.00	0.80	80%	Light brown fine to very fine-grained sandy clay
11	10.00	11.00	1.00	0.84	84%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
12	11.00	12.00	1.00	0.90	90%	Light grey and highly fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
13	12.00	13.00	1.00	0.80	80%	Light yellowish-brown fine to very fine-grained sandy clay
14	13.00	14.00	1.00	0.83	83%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
15	14.00	15.00	1.00	0.88	88%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay

16	15.00	16.00	1.00	0.80	80%	Light brown very fine-grained sandy clay
17	16.00	17.00	1.00	0.87	87%	Light grey fractured Limestone and light brown very fine-grained sandy clay
18	17.00	18.00	1.00	0.87	87%	Light grey fractured Limestone and light brown very fine-grained sandy clay
19	18.00	19.00	1.00	0.85	85%	Brown color fine to very fine-grained sandy clay
20	19.00	20.00	1.00	0.83	83%	Light grey highly fractured Limestone with thin bands of Shale and brown color fine to very fine-grained sandy clay
21	20.00	21.00	1.00	0.70	70%	Light grey fractured Limestone with thin and thick bands of Shale
22	21.00	22.00	1.00	0.80	80%	Light grey fractured Limestone with thin and thick bands of Shale
23	22.00	23.00	1.00	0.82	82%	Light grey and highly fractured Limestone with thin and thick bands of Shale and light yellowish-brown colour fine to very fine-grained sandy clay
24	23.00	24.00	1.00	0.67	67%	Light grey and highly fractured Limestone with thin bands of Shale
25	24.00	25.00	1.00	0.59	59%	Light grey and highly fractured Limestone with thin and thick alternate bands of Shale
26	25.00	26.00	1.00	0.86	86%	Light grey fractured Limestone with thin and thick bands of Shale and light yellowish-brown colour fine to very fine-grained sandy clay
27	26.00	27.00	1.00	0.67	67%	Light grey fractured Limestone with thin and thick alternate bands of Shale
28	27.00	28.00	1.00	0.63	63%	Light grey fractured Limestone with thin and thick alternate bands of Shale

29	28.00	29.00	1.00	0.69	69%	Light grey fractured Limestone with thin and thick alternate bands of Shale
30	29.00	30.00	1.00	0.58	58%	Light grey fractured Limestone with thin and thick alternate bands of Shale
Total			30.00	23.84	79%	-

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-05	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	12-12-2025	Latitude:	24°01'42.54"N
Date of Completion:	21-12-2025	Longitude:	80°35'03.654"E
Core Size:	NQ	RL at Collar (m):	386.00 m
Total Core Boxes Used:	10	RL at Bottom (m):	336.00 m
Water Level:	05.30 m	Depth Drilled:	50.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.78	78%	Reddish and brown colour coarse grained Sandy Soil

2	1.00	2.00	1.00	0.63	63%	Light grey Limestone and brown colour coarse to very fine-grained Sandy Soil mixed with pebbles of Limestone
3	2.00	3.00	1.00	0.75	75%	Light grey highly fractured pebbles of Limestone and light yellowish-brown colour coarse to very fine-grained Sandy Clay
4	3.00	4.00	1.00	0.90	90%	Light yellowish-brown colour very fine-grained Sandy Clay
5	4.00	5.00	1.00	0.90	90%	Light grey fractured Limestone and light yellowish-brown colour, very fine-grained Sandy Clay
6	5.00	6.00	1.00	0.83	83%	Light brown colour, coarse to very fine-grained Sandy Clay
7	6.00	7.00	1.00	0.85	85%	Light grey fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
8	7.00	8.00	1.00	0.75	75%	Light grey, moderately fractured Limestone
9	8.00	9.00	1.00	0.76	76%	Light grey, moderately fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
10	9.00	10.00	1.00	0.88	88%	Light brown colour coarse to very fine-grained Sandy Clay and light grey cobbles of highly fractured Limestone
11	10.00	11.00	1.00	0.92	92%	Light grey fractured Limestone and light brown colour fine to very fine-grained Sandy Clay
12	11.00	12.00	1.00	0.82	82%	Light grey and highly fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
13	12.00	13.00	1.00	0.85	85%	Light brown colour coarse to very fine-grained Sandy Clay
14	13.00	14.00	1.00	0.81	81%	Light grey and highly fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
15	14.00	15.00	1.00	0.82	82%	Light grey and moderately fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
16	15.00	16.00	1.00	0.85	85%	Light brown colour coarse to very fine-grained Sandy Clay
17	16.00	17.00	1.00	0.76	76%	Light grey and moderately fractured Limestone and light brown colour coarse to very fine-grained Sandy Clay
18	17.00	18.00	1.00	0.74	74%	Light grey and moderately fractured Limestone with thin bands of Shale and light brown colour coarse to very fine-grained Sandy Clay
19	18.00	19.00	1.00	0.90	90%	Light grey fractured Limestone with thin bands of Shale and light brown colour coarse to very fine-grained Sandy Clay

20	19.00	20.00	1.00	0.88	88%	Light grey fractured Limestone with thin bands of Shale and light brown colour coarse to very fine-grained Sandy Clay
21	20.00	21.00	1.00	0.74	74%	Light grey and highly fractured Limestone with thin bands of Shale
22	21.00	22.00	1.00	0.88	88%	Light grey fractured Limestone with very thin bands of Shale and light brown colour fine to very fine-grained Sandy Clay
23	22.00	23.00	1.00	0.66	66%	Light grey highly fractured Limestone with very thin bands of Shale and light brown colour fine to very fine-grained Sandy Clay
24	23.00	24.00	1.00	0.86	86%	Light grey and highly fractured Limestone with very thin bands of Shale and light brown colour fine to very fine-grained Sandy Clay
25	24.00	25.00	1.00	0.85	85%	Light grey fractured Limestone with thin and thick bands of Shale
26	25.00	26.00	1.00	0.89	89%	Light grey fractured Limestone with alternate thin and thick bands of Shale
27	26.00	27.00	1.00	0.88	88%	Light grey fractured Limestone with alternate thin and thick bands of Shale
28	27.00	28.00	1.00	0.83	83%	Light grey fractured Limestone with alternate thin and thick bands of Shale
29	28.00	29.00	1.00	0.70	70%	Light grey and highly fractured Limestone with alternate thin bands of Shale and light brown colour fine to very fine-grained Sandy Clay
30	29.00	30.00	1.00	0.83	83%	Light grey fractured Limestone with alternate thin bands of Shale and light brown colour fine to very fine-grained Sandy Clay
31	30.00	31.00	1.00	0.84	84%	Light grey fractured Limestone with alternate thin and thick bands of Shale
32	31.00	32.00	1.00	0.83	83%	Light grey fractured Limestone with alternate thin and thick bands of Shale
33	32.00	33.00	1.00	0.84	84%	Light grey fractured Limestone with alternate thin and thick bands of Shale
34	33.00	34.00	1.00	0.81	81%	Light grey fractured Limestone with alternate thin and thick bands of Shale and light brown colour fine to very fine-grained Sandy Clay
35	34.00	35.00	1.00	0.87	87%	Light grey fractured Limestone with alternate thin and thick bands of Shale
36	35.00	36.00	1.00	0.84	84%	Light grey highly and fractured Limestone with alternate thin and thick bands of Shale
37	36.00	37.00	1.00	0.86	86%	Light grey, moderately fractured Limestone with alternate thin and thick bands of Shale

38	37.00	38.00	1.00	0.81	81%	Light grey, moderately and highly fractured Limestone and light brown colour fine to very fine-grained Sandy Clay
39	38.00	39.00	1.00	0.83	83%	Light grey moderately and highly fractured Limestone with alternate thin and thick bands of Shale
40	39.00	40.00	1.00	0.95	95%	Light grey fractured Limestone with alternate thin and thick bands of Shale
41	40.00	41.00	1.00	0.84	84%	Light grey moderately fractured Limestone with alternate thin and thick bands of Shale and light brown colour fine to very fine-grained Sandy Clay
42	41.00	42.00	1.00	0.85	85%	Light grey moderately fractured Limestone with alternate thick bands of Shale
43	42.00	43.00	1.00	0.93	93%	Light grey moderately fractured Limestone with alternate thick bands of Shale
44	43.00	44.00	1.00	0.92	92%	Light grey moderately fractured Limestone with alternate thick bands of Shale and light brown colour fine to very fine-grained Sandy Clay
45	44.00	45.00	1.00	0.87	87%	Light and dark grey fractured Shale with thick bands of Limestone
46	45.00	46.00	1.00	0.86	86%	Light and dark grey fractured Shale with alternate thick bands of Limestone
47	46.00	47.00	1.00	0.87	87%	Light and dark grey fractured Shale with alternate thick bands of Limestone
48	47.00	48.00	1.00	0.90	90%	Light and dark grey fractured Shale with alternate thick bands of Limestone
49	48.00	49.00	1.00	0.86	86%	Light and dark grey fractured Shale with alternate thick bands of Limestone
50	49.00	50.00	1.00	0.89	89%	Light and dark grey fractured Shale with alternate thick bands of Limestone
Total			50.00	41.77	84%	-

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-06	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	24-12-2025	Latitude:	24°00'52.854"N
Date of Completion:	29-12-2025	Longitude:	80°35'25.95"E
Core Size:	NQ	RL at Collar (m):	371.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	341.00 m
Water Level:	05.20 m	Depth Drilled:	30.00 m

Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant
-------------------	-----------------------------	----------------------------	-----------------------------

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.86	86%	Brown colour coarse to fine-grained sandy Soil
2	1.00	2.00	1.00	0.84	84%	Brown colour coarse to fine-grained sandy Soil
3	2.00	3.00	1.00	0.70	70%	Brown colour coarse to fine-grained sandy Soil
4	3.00	4.00	1.00	0.92	92%	Brown colour coarse to fine-grained sandy Clay
5	4.00	5.00	1.00	0.63	63%	Brown colour coarse to fine-grained sandy Clay
6	5.00	6.00	1.00	0.81	81%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone and light brown fine to very fine-grained Sandy Clay
7	6.00	7.00	1.00	0.77	77%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone and light brown fine to very fine-grained Sandy Clay
8	7.00	8.00	1.00	0.76	76%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone and light brown fine to very fine-grained Sandy Clay
9	8.00	9.00	1.00	0.60	60%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone and light brown fine to very fine-grained Sandy Clay
10	9.00	10.00	1.00	0.83	83%	Light brown fractured Shale with very thin bands of Limestone
11	10.00	11.00	1.00	0.66	66%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone and light brown fine to very fine-grained

						Sandy Clay
12	11.00	12.00	1.00	0.86	86%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone
13	12.00	13.00	1.00	0.85	85%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone
14	13.00	14.00	1.00	0.85	85%	Light brown highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone
15	14.00	15.00	1.00	0.88	88%	Light brown and dark grey highly and moderately fractured and slightly weathered Shale with very thin bands of Limestone
16	15.00	16.00	1.00	0.83	83%	Dark grey highly and moderately fractured and slightly weathered Shale with very thin veins of Calcite
17	16.00	17.00	1.00	0.83	83%	Dark grey fractured Shale with very thin veins of Calcite
18	17.00	18.00	1.00	0.87	87%	Dark grey fractured Shale with very thin veins of Calcite
19	18.00	19.00	1.00	0.90	90%	Dark grey fractured Shale with very thin veins of Calcite
20	19.00	20.00	1.00	0.87	87%	Dark grey fractured Shale with very thin veins of Calcite
21	20.00	21.00	1.00	0.87	87%	Dark grey fractured Shale with very thin veins of Calcite
22	21.00	22.00	1.00	0.93	93%	Dark grey fractured Shale with very thin veins of Calcite
23	22.00	23.00	1.00	0.91	91%	Dark grey fractured Shale with very thin veins of Calcite
24	23.00	24.00	1.00	0.93	93%	Dark grey fractured Shale with very thin veins of Calcite

25	24.00	25.00	1.00	0.88	88%	Dark grey fractured Shale with very thin veins of Calcite
26	25.00	26.00	1.00	0.87	87%	Dark grey fractured Shale with very thin veins of Calcite
27	26.00	27.00	1.00	0.88	88%	Dark grey fractured Shale with very thin veins of Calcite
28	27.00	28.00	1.00	0.87	87%	Dark grey fractured Shale with very thin veins of Calcite
29	28.00	29.00	1.00	0.94	94%	Dark grey fractured Shale with very thin veins of Calcite
30	29.00	30.00	1.00	0.92	92%	Dark grey fractured Shale with very thin veins of Calcite
Total			30.00	25.12	84%	-

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-07	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole	Vertical	District:	Katni
Date of Commencement:	06-01-2026	Latitude:	24°02'21.66"N
Date of Completion:	11-01-2026	Longitude:	80°35'53.682"E

Core Size:	NQ	RL at Collar (m):	392.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	362.00 m
Water Level:	07.00 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.63	63%	Brown colour coarse to fine-grained sandy Soil
2	1.00	2.00	1.00	0.90	90%	Brown colour coarse to fine-grained sandy Soil
3	2.00	3.00	1.00	0.57	57%	Brown colour coarse to fine-grained sandy Soil
4	3.00	4.00	1.00	0.66	66%	Brown colour coarse to fine-grained sandy Soil
5	4.00	5.00	1.00	0.69	69%	Brown colour coarse to fine-grained sandy Soil
6	5.00	6.00	1.00	0.89	89%	Light brown colour coarse to fine-grained sandy Soil
7	6.00	7.00	1.00	0.75	75%	Light brown colour coarse to fine-grained Sandy Clay mixed with completely weathered pebbles and gravels of Limestone and Shale
8	7.00	8.00	1.00	0.63	63%	Light grey fractured Shale and light yellowish Sandy Clay mixed with pebbles of Shale and Limestone
9	8.00	9.00	1.00	0.88	88%	Light grey and pinkish fractured Shale with thin and thick alternate bands of Clay and Limestone
10	9.00	10.00	1.00	0.84	84%	Light grey and pinkish fractured Shale with thin and thick alternate bands of Clay and Limestone
11	10.00	11.00	1.00	0.47	47%	Light grey and pinkish highly fractured and highly weathered Shale with thin and thick alternate bands of Clay and Limestone
12	11.00	12.00	1.00	0.70	70%	Light grey and pinkish highly fractured and highly weathered Shale with thin and thick alternate bands of Clay and Limestone
13	12.00	13.00	1.00	0.70	70%	Light grey and pinkish highly fractured and highly weathered Shale with thin and

						thick alternate bands of Clay and Limestone
14	13.00	14.00	1.00	0.76	76%	Light grey and pinkish fractured Shale with thin and thick alternate bands of Clay and Limestone
15	14.00	15.00	1.00	0.87	87%	Light grey and pinkish fractured Shale with thin and thick alternate bands of Clay and Limestone
16	15.00	16.00	1.00	0.90	90%	Light grey fractured Shale with thin and thick alternate bands Limestone
17	16.00	17.00	1.00	0.83	83%	Light grey fractured Shale with thin and thick alternate bands Limestone
18	17.00	18.00	1.00	0.92	92%	Light grey fractured Shale with thin and thick alternate bands Limestone
19	18.00	19.00	1.00	0.88	88%	Light grey fractured Shale with thin and thick alternate bands Limestone
20	19.00	20.00	1.00	0.83	83%	Light grey fractured Shale with thin and thick alternate bands Limestone
21	20.00	21.00	1.00	0.93	93%	Light grey fractured shale with thin and thick alternate bands Limestone
22	21.00	22.00	1.00	0.90	90%	Light grey fractured Shale with thin and thick alternate bands Limestone
23	22.00	23.00	1.00	0.90	90%	Light grey fractured Shale with thin and thick alternate bands Limestone
24	23.00	24.00	1.00	0.90	90%	Light grey fractured Shale with thin and thick alternate bands Limestone
25	24.00	25.00	1.00	0.97	97%	Light grey fractured Shale with thin and thick alternate bands Limestone
26	25.00	26.00	1.00	0.90	90%	Light grey fractured Shale with thin and thick alternate bands Limestone
27	26.00	27.00	1.00	0.88	88%	Light grey fractured Shale with thin and thick alternate bands Limestone
28	27.00	28.00	1.00	0.86	86%	Light grey fractured Shale with thin and thick alternate bands Limestone
29	28.00	29.00	1.00	0.86	86%	Light grey fractured Shale with thin and thick alternate bands Limestone
30	29.00	30.00	1.00	0.86	86%	Light grey fractured Shale with thin and thick alternate bands Limestone
Total			30.00	24.26	81%	-

Bore Hole Core Log Sheet

Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh

Borehole No.:	BH-08	Block Name:	Nanhwara Kymore Limestone Block
----------------------	--------------	--------------------	--

Type of Borehole	Vertical	District:	Katni
-------------------------	-----------------	------------------	--------------

Date of Commencement:	31-12-2025	Latitude:	24°01'11.472"N
Date of Completion:	04-01-2026	Longitude:	80°36'01.746"E
Core Size:	NQ	RL at Collar (m):	370.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	340.00 m
Water Level:	06.10 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.76	76%	Brown colour fine-grained sandy Soil
2	1.00	2.00	1.00	0.70	70%	Brown colour fine-grained sandy Soil
3	2.00	3.00	1.00	0.65	65%	Brown colour fine-grained sandy Soil
4	3.00	4.00	1.00	0.80	80%	Brown colour, fine to very fine-grained sandy Soil and clay
5	4.00	5.00	1.00	0.86	86%	Light Brown fine to very fine Sandy Clay
6	5.00	6.00	1.00	0.88	88%	Light Brown fine to very fine Sandy Clay
7	6.00	7.00	1.00	0.86	86%	Light Brown fine to very fine Sandy Clay and Cobbles and pebbles of highly fractured and weathered Limestone mixed with clay
8	7.00	8.00	1.00	0.77	77%	Light grey, highly fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
9	8.00	9.00	1.00	0.79	79%	Light grey fractured Limestone and light yellowish-brown fine to very fine-grained sandy clay
10	9.00	10.00	1.00	0.82	82%	Light grey fractured Limestone with some thick and thin bands of sandy clay
11	10.00	11.00	1.00	0.72	72%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone

12	11.00	12.00	1.00	0.73	73%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
13	12.00	13.00	1.00	0.81	81%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
14	13.00	14.00	1.00	0.78	78%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
15	14.00	15.00	1.00	0.80	80%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
16	15.00	16.00	1.00	0.78	78%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
17	16.00	17.00	1.00	0.82	82%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
18	17.00	18.00	1.00	0.80	80%	Light grey fractured and weathered Shale with thick and thick alternate bands of light yellowish-brown Clay and Limestone
19	18.00	19.00	1.00	0.85	85%	Dark grey fractured Shale
20	19.00	20.00	1.00	0.80	80%	Dark grey fractured Shale
21	20.00	21.00	1.00	0.80	80%	Dark grey fractured Shale
22	21.00	22.00	1.00	0.93	93%	Dark grey fractured Shale
23	22.00	23.00	1.00	0.93	93%	Dark grey fractured Shale
24	23.00	24.00	1.00	0.93	93%	Dark grey fractured Shale
25	24.00	25.00	1.00	0.87	87%	Dark grey fractured Shale
26	25.00	26.00	1.00	0.89	89%	Dark grey fractured Shale

27	26.00	27.00	1.00	0.91	91%	Dark grey fractured Shale
28	27.00	28.00	1.00	0.90	90%	Dark grey fractured Shale
29	28.00	29.00	1.00	0.88	88%	Dark grey fractured Shale
30	29.00	30.00	1.00	0.91	91%	Dark grey fractured Shale
Total			30.00	24.73	82%	-

<u>Bore Hole Core Log Sheet</u>			
Project: Reconnaissance Survey (G-4 Stage) for Limestone in and around Nanhwara Kymore Limestone Block, Katni District, Madhya Pradesh			
Borehole No.:	BH-09	Block Name:	Nanhwara Kymore Limestone Block
Type of Borehole:	Vertical	District:	Katni
Date of Commencement:	13-01-2026	Latitude:	24°02'00.624"N
Date of Completion:	19-01-2026	Longitude:	80°36'45.792"E
Core Size:	NQ	RL at Collar (m):	383.00 m
Total Core Boxes Used:	6	RL at Bottom (m):	353.00 m
Water Level:	14.00 m	Depth Drilled:	30.00 m
Logged By:	Engeotech Consultant	Exploration Agency:	Engeotech Consultant

S. No.	From (m)	To (m)	Length of the Run (m)	Core Length	Recovery %	Lithology
1	0.00	1.00	1.00	0.62	62%	Reddish brown colour coarse to fine-grained Sandy Soil
2	1.00	2.00	1.00	0.61	61%	Reddish brown colour coarse to fine-grained Sandy Soil
3	2.00	3.00	1.00	0.58	58%	Brown colour coarse to fine-grained Sandy Soil
4	3.00	4.00	1.00	0.89	89%	Light grey highly fractured and slight weathered Limestone with thin bands of Shale and brown colour coarse to fine-grained Sandy Soil
5	4.00	5.00	1.00	0.86	86%	Light grey highly fractured and slight weathered Limestone with alternate thick bands of Clay
6	5.00	6.00	1.00	0.83	83%	Light and dark grey moderately fractured and moderately weathered Limestone with thin bands of Shale with alternate thick bands of Clay
7	6.00	7.00	1.00	0.86	86%	Light and dark grey moderately fractured and moderately weathered Limestone with alternate thick bands of

						Clay and weathered Shale
8	7.00	8.00	1.00	0.89	89%	Light and dark grey moderately fractured and moderately weathered Limestone with alternate thick bands of Clay and weathered Shale
9	8.00	9.00	1.00	0.91	91%	Light and dark grey moderately fractured and moderately weathered Limestone with alternate thick bands of Clay and weathered Shale
10	9.00	10.00	1.00	0.87	87%	Light and dark grey moderately fractured and moderately weathered Limestone with alternate thick bands of Clay and weathered Shale
11	10.00	11.00	1.00	0.86	86%	Light and dark grey partially fractured Limestone with alternate thick bands of Shale
12	11.00	12.00	1.00	0.89	89%	Light and dark grey moderately fractured Limestone with alternate thick bands of Shale
13	12.00	13.00	1.00	0.92	92%	Light and dark grey partially fractured Limestone with alternate thick bands of Shale
14	13.00	14.00	1.00	0.86	86%	Light and dark grey, moderately fractured and highly weathered Shale with alternate thick bands of Limestone
15	14.00	15.00	1.00	0.83	83%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thick bands of Limestone and light brown coarse to fine-grained Sandy Clay
16	15.00	16.00	1.00	0.85	85%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thick bands of Limestone and light brown coarse to fine-grained Sandy Clay
17	16.00	17.00	1.00	0.86	86%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thick bands of Limestone
18	17.00	18.00	1.00	0.85	85%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thick bands of Limestone
19	18.00	19.00	1.00	0.87	87%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thick bands of Limestone

20	19.00	20.00	1.00	0.91	91%	Light and dark grey, moderately fractured and moderately weathered Shale with alternate thin bands of Limestone
21	20.00	21.00	1.00	0.92	92%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
22	21.00	22.00	1.00	0.93	93%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
23	22.00	23.00	1.00	0.86	86%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
24	23.00	24.00	1.00	0.95	95%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
25	24.00	25.00	1.00	0.91	91%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
26	25.00	26.00	1.00	0.90	90%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
27	26.00	27.00	1.00	0.91	91%	Light and dark grey fractured weathered Shale with alternating thick and thin bands of Limestone
28	27.00	28.00	1.00	0.92	92%	Light and dark grey fractured weathered Shale with alternate some thick and thin bands of Limestone
29	28.00	29.00	1.00	0.86	86%	Light and dark grey fractured weathered Shale with alternate some thick and thin bands of Limestone
30	29.00	30.00	1.00	0.93	93%	Light and dark grey fractured weathered Shale with alternate some thick and thin bands of Limestone
Total			30.00	25.71	86%	-