

**DETAILS OF SUMMARISED LITHOLOGS OF BOREHOLES MURARA-DEVENDRAPURA BLOCK (G3), DISTRICT:NIWARI, MADHYA PRADESH****BOREHOLE NO.- MMDB - 01**

NORTHING: 2806376.08m

EASTING: 281455.032m

REDUCED LEVEL (m): 239.484

ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 93.00

DATE OF COMMENCEMENT: 14.10.2025

DATE OF CLOSURE: 21.10.2025

CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	3.00	3.00	2.00	Medium grained	Yellowish	Soil	Loose	With weathered granite and quartz reef
3.00	15.76	12.76	8.94	Fine to coarse grained	Light grey to brown	Weathered granite	Fractured & broken/loose	With sandy sludge and fragments of quartz reef
15.76	64.60	48.84	47.28	Coarse grained	Pinkish to grey with blackish tint	Granite	Occasionally fractured & broken	Altered
64.60	74.70	10.10	9.74	Coarse grained	Whitish to light grey	Quartz reef	Fractured	Top minor granitic
74.70	88.96	14.26	13.42	Coarse grained	Pinkish	Granite	Fractured	With minor quartz vein
88.96	90.91	1.95	1.88	Fine grained	Light grey	Quartz reef	Occasionally fractured & broken	
90.91	93.00	2.09	2.07	Fine grained	Pinkish grey	Granite	Fractured	With quartz reef

**BOREHOLE NO.- MMDB - 02**

NORTHING:2806501.961m
EASTING: 281628.012m
REDUCED LEVEL (m): 241.84
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 112.50
DATE OF COMMENCEMENT: 30.10.2025
DATE OF CLOSURE: 17.11.2025
CORE SIZE: HQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	4.50	4.50	3.50	Coarse grained to gritty	Yellowish	Soil	Loose	Mixed with gritty material of quartz reef and granite
4.50	13.68	9.18	7.56	Coarse grainedd	Brownish yellow	Weathered granite	Broken & fragile	
13.68	60.32	46.64	44.16	Medium to coarse grained	Pinkish with blackish tint	Granite	Fractured & broken	Altered, mixed with quartz reef at bottom
60.32	90.00	29.68	29.29	Fine grainedd	Pinkish to greyish white	Quartz reef	Occasionally fractured & broken	Feldspatization, Quartz reef occasionally with minor granite
90.00	97.37	7.37	7.33	Fine to medium grained	Pinkish to whitish grey	Granite	Occasionally fractured	With quartz veins
97.37	111.69	14.32	14.32	Fine to medium grained	Greyish to pinkish white	Quartz reef	Occasionally fractured	Occasionally feeble granite
111.69	112.50	0.81	0.81	Fine to medium grained	Pinkish grey	Granite	Occasionally fractured	With feeble quartz reef

**BOREHOLE NO.- MMDB - 03**

NORTHING: 2806615.337m

EASTING: 281758.308m

REDUCED LEVEL (m): 249.047

ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 123.00

DATE OF COMMENCEMENT: 01.11.2025

DATE OF CLOSURE: 8.11.2025

CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	2.50	2.50	1.50	Medium grained	Yellowish	Soil	Loose	With weathered material (granite)
2.50	33.00	30.50	25.50	Medium to coarse grained	Yellowish to pinkish brown	Weathered granite	Occasionally Loose & broken	
33.00	42.70	9.70	8.66	Fine to coarse grained	Pinkish with blackish tint	Granite	Occasionally fractured & broken	With quartz veins/reef
42.70	52.69	9.99	9.47	Fine grainedd	Light grey	Quartz reef	Occasionally fractured	
52.69	61.86	9.17	8.93	Fine grainedd	Pinkish grey	Granite	Occasionally fractured	Occasionally with quartz reefs/ veins
61.86	72.40	10.54	10.36	Fine grainedd	Whitish to pinkish grey	Quartz reef	Occasionally fractured & broken	Occasionally feldspatization, bottom granitic
72.40	86.83	14.43	12.95	Fine grainedd	White to pinkish grey	Granite	Occasionally fractured & broken	Occasionally with quartz reefs/ veins
86.83	117.91	31.08	29.45	Fine grainedd	Greyish to pinkish white	Quartz reef	Fractured	Minor Feldspatization,bottom granitic
117.91	123.00	5.09	5.05	Fine grainedd	Pinkish grey	Granite	Fractured	With minor quartz veins at top

**BOREHOLE NO.- MMDB - 04**

NORTHING: 2806760.136m

EASTING: 281909.966m

REDUCED LEVEL (m): 251.977

ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 98.00

DATE OF COMMENCEMENT: 01.11.2025

DATE OF CLOSURE: 19.11.2025

CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	5.00	5.00	3.59	Fine to coarse / pebbly	Yellowish brown	Soil	Loose	Top sludgy, mixed with fragments of quartz reef and granite
5.00	15.00	10.00	7.20	Fine to coarse grained	Yellowish brown	Weathered granite	Loose, fractured & broken	Mixed with soil and quartz reef
15.00	54.92	39.92	37.76	Coarse grained	Pinkish to white grey with blackish tint	Granite	Occasionally fractured & broken	Altered, Occasionally quartz reef/veins
54.92	94.52	39.60	37.74	Fine grained	Grey	Quartz reef	Occasionally fractured & broken	Feldspatization, with minor granite
94.52	98.00	3.48	3.44	Fine to medium grained	Pinkish grey	Granite	occasionally Fractured	With minor quartz reef

**BOREHOLE NO.- MMDB - 05**

NORTHING: 2807441.42m
EASTING: 282576.858m
REDUCED LEVEL (m): 231.088
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 95.00
DATE OF COMMENCEMENT: 12.11.2025
DATE OF CLOSURE: 19.11.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	9.00	9.00	5.80	Fine to medium grained		Soil	Loose & broken	With weathered granite, sandy
9.00	22.60	13.60	12.43	Medium to coarse grained	Yellowish to brownish grey	Weathered granite	Loose & broken	
22.60	68.17	45.57	43.70	Fine to coarse grained	Pinkish grey with blackish tint	Granite	Occasionally broken & fractured	Altered, Occasionally quartz veins/reef
68.17	71.32	3.15	2.75	Fine grained	Pinkish grey	Quartz reef	Occasionally fractured & broken	With minor granite
71.32	95.00	23.68	23.24	Medium to coarse grained	Pinkish	Granite	Fractured & broken	Occasionally quartz veins

BOREHOLE NO.- MMDB - 06

NORTHING: 2807278.184m
EASTING: 282462.389m
REDUCED LEVEL (m): 232.011
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 115.00
DATE OF COMMENCEMENT: 20.11.2025
DATE OF CLOSURE: 27.11.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	4.87	4.87	3.90	Fine to coarse grained	Yellowish brown	Soil	Loose	With weathered material (granite & quartz reef)
4.87	9.00	4.13	3.20	Medium to coarse	Greenish to brown	Weathered granite	Loose	With fragments of quartz reef
9.00	99.40	90.40	88.65	Coarse grained	Pinkish to brown	Granite	Occasionally fracture	Altered, occasionally with quartz veins/reef
99.40	103.87	4.47	4.45	Fine grained	Whitish grey	Quartz reef	Occasionally fracture	Reef with minor granite
103.87	109.19	5.32	5.22	Fine to medium grained	Pinkish grey	Granite	Occasionally broken	With quartz veins/reef
109.19	110.84	1.65	1.60	Fine grained	Pinkish grey	Quartz reef		With minor granite
110.84	112.00	1.16	1.10	Fine to medium grained	Pinkish grey	Granite		With minor quartz vein
112.00	113.73	1.73	1.70	Fine grained	Pinkish grey	Quartz reef	Occasionally fracture	With minor granite
113.73	115.00	1.27	1.25	Medium to coarse grained	Pinkish	Granite		

**BOREHOLE NO.- MMDB - 07**

NORTHING: 2809684.469m
EASTING: 281815.258m
REDUCED LEVEL (m): 232.543
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 128.00
DATE OF COMMENCEMENT: 21.11.2025
DATE OF CLOSURE: 27.11.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	3.00	3.00	1.90	Medium to coarse	Yellowish brown	Soil	Loose and fragile	With weathered material (granite & quartz reef)
3.00	15.12	12.12	9.27	Coarse to gritty	Yellowish brown	Weathered granite	Loose and fragile	With fragment of quartz reef
15.12	89.23	74.11	72.57	Fine to gritty	Pinkish to greenish grey	Granite	Occasionally fractured & broken	Altered
89.23	125.00	35.77	35.22	Fine grained	Blackish to greenish white	Quartz reef	Occasionally fractured & broken	Altered with epidotization, bottom granitic
125.00	128.00	3.00	3.00	Medium to coarse	Pinkish to greenish	Granite		Altered

**BOREHOLE NO.- MMDB - 08**

NORTHING: 2809860.252m
EASTING: 281904.825m
REDUCED LEVEL (m): 236.196
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 150.00
DATE OF COMMENCEMENT: 22.11.2025
DATE OF CLOSURE: 4.12.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	3.00	3.00	0.30	Medium to gritty	Yellowish	Soil	loose	With fragments of weathered material (granite and quartz reef)
3.00	9.00	6.00	0.07	Coarse to gritty	Yellowish	Weathered granite	loose	With fragments of quartz reefs
9.00	14.46	5.46	4.65	Coarse grained	Pinkish to light grey	Granite	fractured , broken & fragile	Weathered
14.46	19.45	4.99	4.59	Fine to coarse grained	Brownish to greyish white	Quartz reef	Broken	Mixed with granite
19.45	42.57	23.12	21.90	Fine to coarse grained	Whitish to brownish grey	Weathered granite	Occasionally fractured & Broken	Altered, Occasionally with quartz veins/reef
42.57	68.00	25.43	24.29	Fine to coarse grained	Greenish to pinkish grey with blackish tint	Granite	Occasionally fractured & Broken	Altered, Occasionally with quartz veins/reef
68.00	101.05	33.05	31.41	Fine to medium grained	Whitish to pinkish grey with blackish tint	Quartz reef	Occasionally fractured & Broken	Altered
101.05	112.75	11.70	11.25	Medium to coarse grained	Greenish to pinkish	Granite	Occasionally fractured	Altered with minor epidotization, minor quartz reef
112.75	115.00	2.25	2.13	Fine grained	Greenish to pinkish white	Quartz reef	Occasionally fractured	Altered with minor epidotization, with minor granite
115.00	133.60	18.60	18.19	Fine to coarse grained	Greenish to pinkish grey with blackish tint	Granite	Occasionally fractured & Broken	Altered with epidotization, with quartz veins/reef
133.60	146.85	13.25	13.25	Fine grained	Greyish white with blackish tint	Quartz reef	Occasionally fractured & Broken	Occasionally altered with minor epidotization
146.85	150.00	3.15	3.13	Fine to medium grained	Greenish to dark grey with blackish tint	Granite		With quartz veins, minor epidotization

**BOREHOLE NO.- MMDB - 09**

NORTHING: 2807713.249m
EASTING: 282801.755m
REDUCED LEVEL (m): 228.26
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 87
DATE OF COMMENCEMENT: 28.11.2025
DATE OF CLOSURE: 2.12.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	5.50	5.50	4.70	Fine to coarse	Pale yellow	Soil	Loose	With minor rock fragments (granite)
5.50	15.53	10.03	8.91	Medium to coarse	Yellowish grey	Weathered granite	Occasionally fractured & Broken	
15.53	62.24	46.71	45.08	Coarse grained	Pinkish to whitish grey	Granite	Occasionally fractured & broken	Altered, occasionally quartz veins/reefs
62.24	85.94	23.70		Fine grained	Pinkish to greyish white	Quartz reef	Occasionally fractured & broken	Occasionally with minor granite
85.94	87.00	1.06	1.00	Coarse grained	Pinkish grey	Granite	-	-

BOREHOLE NO.- MMDB - 10

NORTHING: 2810053.882m
EASTING: 282060.748m
REDUCED LEVEL (m): 237.463
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 124.00
DATE OF COMMENCEMENT: 29.11.2025
DATE OF CLOSURE: 9.12.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	5.00	5.00	4.20	Medium to coarse grained	Yellowish brown	Soil	Loose	With rock fragments (granite)
5.00	23.00	18.00	17.31	Coarse grained	Yellowish brown	Weathered granite	Occasionally fractured & broken	Occasionally quartz pebbles
23.00	66.00	43.00	41.22	Fine to coarse grained	Pinkish grey	Granite	Occasionally fractured & broken	Altered (saussuritised), fracture ferruginous, Occasionally quartz
66.00	73.13	7.13	6.80	Fine grained	Pinkish to blackish grey	Quartz reef	Occasionally fractured & broken	Altered, with minor granite
73.13	74.36	1.23	1.18	Fine grained	Light green	Pyrophyllite	Soapy/greasy	Bottom chloritised
74.36	122.24	47.88	46.99	Fine grained		Quartz reef	Occasionally fractured & broken	Altered (chloritised rock), minor pyrophyllite
122.24	124.00	1.76	1.76	Fine to coarse grained	Pinkish to greenish grey	Granite		Altered, minor epidotization

**BOREHOLE NO.- MMDB - 11**

NORTHING: 2810368.469m
EASTING: 282189.483m
REDUCED LEVEL (m): 232.752
ANGLE OF BOREHOLE: 50°

DEPTH DRILLED (m): 95.00
DATE OF COMMENCEMENT: 11.12.2025
DATE OF CLOSURE: 18.12.2025
CORE SIZE: HQ & NQ

FROM	TO	THICK- NESS	RECO- VERY	GRAIN SIZE	COLOUR	LITHOLOGY	STRUCTURE	REMARKS
0.00	3.00	3.00	2.50	Coarse grained, pebbly	Yellowish brown	Soil	Broken	With rock fragments (granite & quartz reef)
3.00	10.74	7.74	7.44	Coarse grained	Yellowish brown	Weathered granite	Occasionally Fractured & broken	Minor Ferruginous
10.74	12.35	1.61	1.61	Fine grained	Light grey	Quartz reef	Occasionally broken	
12.35	21.00	8.65	8.25	Fine to coarse grained	Yellowish to greyish brown	weathered and altered granite	Fractured & broken	Fractured & broken
21.00	93.00	72.00	69.52	Fine grained	Whitish grey	Quartz reef	Occasionally fractured & broken	Altered
93.00	95.00	2.00	1.90	Fine grained	Grey	Granite	Fractured & broken	Highly altered (chloritised rock)