

Ref : MTL/WL/22-23/ 102

Date 23.10.2022

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. GVPR Engineers Limited as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL conducted a Geophysical Resistivity logging in the above borehole.

Village Name	Binorarampur
Block	Umarda
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.4 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	23.10.2022

The following aquifer zones have been deciphered with the help of logging machine.

Sr. No.	Depth Range(mtr BGL)	Thickness (mtr)	Expected Litholog	Expected Quality
1	0 – 14		Top soil	
2	15 – 21	6	Medium Sand	Good
3	22 – 24		Clay	
4	25 – 28	3	Medium Sand	Good
5	29 – 31		Sand with Clay	
6	32 – 42	10	Medium Sand	Good
7	43 – 49		Clay with Silt	
8	50 – 56	6	Medium Sand	Good
9	57 – 64		Sand with Clay	
10	65 – 75		Clay with Kankar	
11	76 – 81	5	Medium Sand	Good
12	82 – 84		Sand with Clay	
13	85 – 88	3	Medium Sand	Good
14	89 – 90		Sandy Clay	
15	91 – 95	4	Medium Sand	Good
16	96 – 113		Clay with Silt	
17	114 – 125	11	Medium Sand	Good
18	126 – 129		Clay	
19	130 – 143		Clay with Silt	
20	144 – 153		Clay	
21	154 – 160		Silt Sand	
22	161 – 179		Clay with Silt	
23	180 – 199.4		Clay	

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