

Ref : MTL/WL/22-23/ 54

Date 01.10.2022

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	Antpur
Block	Chhibramau
District	Kannauj , U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.3 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	30.09.2022

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 – 19		Top Soil	
2	20 – 30	10	Fine Sand	Good
3	31 – 47		Sand with clay	
4	48 – 51	3	Fine Sand	Good
5	52 – 54		Sand with clay	
6	55 – 65	10	Fine Sand	Good
7	66 – 68		Sand with clay	
8	69 – 73	4	Medium to fine sand	Good
9	74 – 79		Medium sand with silt	
10	80 – 116		Clay with kankar	
11	117 – 125		Clay with silt	
12	126 – 134		Clay	
13	135 – 151		Silty sand with clay	
14	152 – 156	4	Fine sand	Good
15	157 – 175		Clay with kankar	
16	176 – 199.3		Clay	

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. Water Level is 20 mtr below ground level.
3. The Quality of water is Good. However, it is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
4. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.
5. Logging Performed as per SWSM Guideline.
6. Logger machine is calibrated and accordingly ground water quality interpreted



Anand Kumar
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For Geo-Technical Consultant,



Authorised Signatory

