

GEO – TECHNICAL CONSULTANT

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Ref : MTL/WL/22-23/ 70

Date 08.10.2022

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	Ravnveerpur
Block	Chhibramau
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	08.10.2022

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	1 – 10		Top soil	
2	11 -15	4	Medium Sand	Good
3	16 – 18		Sand with Clay	
4	19 – 37	18	Medium to Fine Sand	Good
5	38 – 43		Sand with Clay	
6	44 – 51	7	Medium Sand	Good
7	52 – 57		Sand with Clay	
8	58 – 60	2	Fine Sand	Good
9	61 – 63		Sand with Clay	
10	64 – 68	4	Medium to Fine Sand	Good
11	69 – 70		Silty Sand	
12	71 – 85	14	Fine Sand	Good
13	86 – 101		Silty Sand	
14	102 – 106	4	Fine Sand	Good
15	107 – 152		Clay with Silt	
16	153 – 157	4	Medium to Fine Sand	Good
17	158 – 179		Clay with Silt	
18	189 – 199		Clay	

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. Water Level is 8 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.

For Geo-Technical Consultant,



Anand Kumar
(Hydrogeologist)



Authorized Signatory

