

GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar Pradesh (India)

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Ref : MTL/WL/22-23/Kannauj/006

Date 03.09.2022

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	Gorakhpur Harbanpur
Block	Saurikh
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	03.09.2022

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	6 - 11		Medium Sand	
2	11 - 14		Clay With Sand	
3	15 - 23	8	Fine Sand	Good
4	24 - 29		Sand With Clay	
5	30 - 43		Sand With Slit	
6	44 - 46	2	Fine Sand	Good
7	45 - 56		Clay	
8	57 - 61		Clay With Kankar	
9	62 - 71	9	Medium Sand	Good
10	72 - 80		Clay	
11	81 - 87	6	Medium Sand	Good
12	88 - 121		Clay With Kankar	
13	122 - 135		Clay	
14	136 - 153	17	Medium Sand	Good to Moderate
15	154 - 156		Clay	
16	157 - 199		Clay With Slit	Saline




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Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. Water Level is 6 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.

For Geo-Technical Consultant,



Authorised Signatory

30/06/2012



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