



GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

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Date 05.10.2022

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	Dehlepur
Block	Kannauj
District	Kannauj , U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	198 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	05.10.2022

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 – 16		Sand with Clay	
2	17 – 47	30	Medium to Fine Sand	Good
3	48 – 62		Clay with Silt	
4	63 – 66	3	Medium Sand	Good
5	66 – 68		Silty Sand	
6	69 – 80	11	Medium Sand	Good
7	81 – 107		Clay with Silt	
8	108 – 112		Clay with Kankar	
9	113 – 122		Clay	
10	123 – 126		Kankar	
11	127 – 150		Clay with Silt	
12	151 – 154	3	Medium Sand	Moderate to Good
13	155 – 162		Sand Silt	
14	163 – 168	5	Medium Sand	Moderate to Good
15	169 - 198		Clay with Kankar	



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Conclusions and Recommendations:

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

For Geo-Technical Consultant,

Authorised Signatory