



# GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

E-mail: [machtechtools55@gmail.com](mailto:machtechtools55@gmail.com) , Mobile Number :- 9265018387

950 lpm  
300x150  
30 m

Ref : MTL/WL/22-23/ 40

Date 25.09.2022

## 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	Khiriya
Block	Haseran
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.7 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	25.09.2022

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 – 12		Top Soil	
2	13 – 17	4	Fine Sand	Good
3	18 – 20		Sand with Clay	
4	21 – 24	3	Medium to Fine Sand	Good
5	25 – 26		Sand with Clay	
6	27 – 30	3	Fine Sand	Good
7	31 – 33		Sand with Clay	
8	34 – 42	8.6	Fine Sand	Good
9	43 – 52		Sand with Clay	
10	53 – 57	4.3	Fine Sand	Good
11	58 – 62		Clay	
12	63 – 66	3.3	Medium to Fine Sand	Good
13	67 – 76		Sand with Clay	
14	72 – 82	10.9	Fine Sand	Good
15	83 – 89		Clay with Silt	
16	90 – 92	2	Medium Sand	Good
17	93 – 114		Clay with Silt	
18	115 – 121		Sand with Clay	
19	122 – 132		Clay with Kankar	
20	133 – 136		Medium Sand with Kankar	
21	137 – 139		Clay	
22	140 – 145	5.5	Medium Sand	Good
23	146 – 167		Clay with Kankar	
24	168 – 199.5		Clay	



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