



# GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

E-mail: [machteertools55@gmail.com](mailto:machteertools55@gmail.com) , Mobile Number :- 9265018387

Ref : MTL/WL/22-23/ 81

Date 16.10.2022

## 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	Darauna
Block	Saurikh
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.4 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	16.10.2022

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		Top soil	
2	17 – 24	7	Medium to Fine Sand	Good
3	25 – 26		Sand with Clay	
4	27 – 31	4	Medium to Fine Sand	Good
5	32 – 36		Sand with Silt	
6	37 – 45	8	Fine Sand	Good
7	46 – 50		Clay	Good
8	51 – 58		Clay with Silt	
9	59 – 76	17	Medium to Fine Sand	Good
10	77 – 79		Clay with Silt	
11	80 – 89	9	Medium Sand	Good
12	90 – 106		Clay with Silt	
13	107 – 111	4	Medium Sand	Good
14	112 – 144		Clay with Kankar	
15	145 – 161	16	Medium Sand	Good
16	162 – 163		Clay	
17	164 – 177	13	Medium Sand	Good
18	178 – 188		Clay with Silt	
19	189 – 199.4		Clay	



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