



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/ 98

Date 22.10.2022

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	Sarai Theku
Block	Saurikh
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.3 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	22.10.2022

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 – 14		Top soil	
2	15 – 20		Sand with Clay	
3	21 – 23	2	Medium Sand	Good
4	24 – 25		Silty Sand	
5	26 – 30	4	Medium Sand	Good
6	31 – 33		Sand with Clay	
7	34 – 40	6	Medium to fine Sand	Good
8	41 – 42		Sand with Clay	
9	43 – 49	6	Medium Sand	Good
10	50 – 59		Sand with Clay	
11	60 – 64	4	Medium Sand	Good
12	65 – 74		Sand with Clay	
13	75 – 83	8	Medium to fine Sand	Good
14	84 – 87		Clay with Silt	
15	88 – 91	3	Medium Sand	Good
16	92 – 97		Clay with Kankar	
17	98 – 102	4	Medium Sand	Good
18	103 – 106		Clay with Silt	
19	107 – 112	5	Medium Sand	Good
20	113 – 139		Clay with Silt And Kankar	
21	140 – 146	6	Medium Sand	Good
22	147 – 179		Clay with Silt	
23	180 – 191		Clay with Kankar	
24	192 – 199.3		Clay	



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