

## 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/ 51

Date 30.09.2022

### 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	Khande Dewar
Block	Talgram
District	Kannauj, U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.6 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	29.09.2022

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 – 5		Top Soil	
2	6 – 8	2	Medium to Fine Sand	Good
3	9 – 15		Sand with Clay	
4	16 – 33	17	Fine Sand	Good
5	34 – 36		Clay with Silt	
6	37 – 40	3	Medium Sand	Good
7	41 – 44		Silty Sand	
8	45 – 55	10	Fine Sand	Good
9	56 – 58		Clay	
10	59 – 61	2	Medium Sand	Good
11	62 – 66		Clay with Kankar	
12	67 – 70		Silty Sand with Kankar	
13	71 – 73	2	Medium to Fine Sand	Good
14	74 – 84		Medium Sand with Silt	
15	85 – 90		Clay with Silt	
16	91 – 95		Clay	
17	96 – 103		Silty Sand	
18	104 – 108		Clay	
19	109 – 116	7	Medium Sand	Good
20	117 – 142		Sand with Clay	
21	143 – 148		Clay	
22	149 – 156	7	Medium Sand	Good
23	157 – 168		Clay with Kankar	
24	169 – 199.6		Clay	



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