

# GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

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

GEO

WL/22-23/ 78

Date 12.10.2022

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

Borehole was drilled by working agency M/s. GVPR Engineers Limited as a part of their work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL and a Geophysical Resistivity logging in the above borehole.

Name	Liluiya
	Umarda
	Kannauj , U.P.
Depth	200 Mtr BGL
Depth	198 Mtr BGL
Log	S.P & Resistivity
Used	IGIS
Date	12.10.2022

Logging aquifer zones have been deciphered with the help of logging machine.

Depth Range (mtr BGL)	Thickness (mtr)	Expected Litholog	Expected Quality
0 - 6		Top Soil	
6 - 11	4	Medium Sand	Good
11 - 13		Sand with Clay	
13 - 23	9	Fine Sand	Good
23 - 30		Sand with Clay	
30 - 35	4	Medium to Fine Sand	Good
35 - 37		Sand with Clay	
37 - 45	7	Medium Sand	Good
45 - 50		Clay with Silt	
50 - 55	4	Medium Sand	Good
55 - 57		Clay with Silt	
57 - 62	4	Medium Sand	Good
62 - 71		Clay with Silt	
71 - 92	20	Medium to Fine Sand	Good
92 - 114		Clay with Kankar	
114 - 123	8	Medium Sand	Good
123 - 128		Clay with Silt	
128 - 134	5	Medium Sand	Good
134 - 137		Clay	
137 - 143	5	Medium Sand	Good
143 - 151		Clay with Silt	
151 - 160	8	Medium Sand	Good
160 - 183		Clay with Kankar	
183 - 199		Clay	

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## Findings and Recommendations:

Lithology inferred broadly tallies with that of the well-site lithology.

Water level is 3 mtr below ground level.

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 agricultural use.

Findings and recommendations are subject to the inherent limitations of the methods employed and there could be variations as the underground conditions are not amenable to physical interpretations.

Test performed as per SWSM Guideline.

Equipment used is calibrated and accordingly ground water quality interpreted

For Geo-Technical Consultant,



Authorised Signatory

Senior

(Geologist)

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