



GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

E-mail: machteertools55@gmail.com , Mobile Number :- 9265018387

Ref : MTL/WL/22-23/ 90

Date 20.10.2022

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	Katri Aminabad
Block	Kannauj
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	20.10.2022

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 – 8		Top soil	
2	9 – 19		Sand with Clay	
3	20 – 23	3	Medium to fine Sand	Good
4	24 – 25		Sand with Clay	
5	26 – 32	6	Medium to fine Sand	Good
6	33 – 36		Sand with Clay	
7	37 – 48	11	Medium to fine Sand	Good
8	49 – 50		Sand with Silt	
9	51 – 56	5	Medium Sand	Good
10	57 – 96		Clay with Silt	
11	97– 102	5	Medium Sand	Good
12	103 – 121		Clay with kankar	
13	122 – 131	9	Medium Sand	Good
14	132 – 161		Clay with Silt	
15	162 – 199.3		Clay	



GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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

E-mail: machteertools55@gmail.com , Mobile Number :- 9265018387

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. Water Level is 1 Mtr below ground level.
3. The 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 any other use.
4. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.
5. Logging Performed as per SWSM Guideline.
6. Logger machine is calibrated and accordingly ground water quality interpreted.

For Geo-Technical Consultant,

Anand Kumar
(Hydrogeologist)

Authorized Signatory



GEO - TECHNICAL CONSULTANT

(Division of MACHTECH)

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

E-mail: machtechtools55@gmail.com, Mobile Number :- 9265018387

