

Ref : MTL/WL/23-24/637

Date 22.12.2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. PMPL - BRCCPL (JV) as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL conducted a Geophysical Continuous logging in the above borehole.

Village Name	SUDANPUR
Block	VIJAIPUR
District	FATEHPUR
Logging Depth	149.2 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	21.12.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	19 – 26	7	Good
2	34 – 38	4	Good
3	41 – 45	4	Good
4	58 – 63	5	Good
5	65 – 70	5	Good
6	83 – 86	3	Good
7	90 – 93	3	Good
8	96 – 100	4	Good
9	106 – 111	5	Good

Rw – 19.0 Ohm mtr and Rm – 16.8 Ohm mtr

Note – Below 115 MBGL the formation water quality is deteriorating to till log depth.



Anand Kumar  
(Hydrogeologist)

For Geo-Technical Consultant,



Authorised Signatory

