

Ref : MTL/WL/23-24/282

Date 19.06.2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. Power Mech Projects Ltd 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	Sarai Narayansingh
Block	Lalganj
District	Pratapgarh, U.P.
Logged Depth	297.7 Mtr BGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	18.06.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	23 – 30	7	Good
2	35 – 42	7	Good
3	169 – 176	7	Moderate
4	186 – 190	4	Moderate
5	202 – 212	10	Moderate

Rw – 16.3 Ohm mtr and Rp – 18.0 Ohm mtr

NOTE: SR NO 4 IS HIGH KANKAR INTERMIXED AND THE FORMATION WATER QUALITY IS DETERIORATING FROM MARGINAL TO SALINE IN BETWEEN 61-141 AND FURTHER BELOW 233MBGL.

PREDOMINANT CLAY KANKAR INTERCALATION PRESENT IN BETWEEN 141-158 MBGL.

- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by form as per their logger calibration
GDR
19/06/23

For Geo-Technical Consultant,



Authorized Signatory