



GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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Ref : MTL/WL/24-25/729

(T.O. - 02)

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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	Barendra & Signi TW-2
Block	Sadwachandrika
District	Pratapgrah, U.P.
Logged Depth	258 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	08.01.2025

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	32 – 35	3	Good
2	42- 45	3	Good
3	81 – 87	6	Good to Moderate
4	173 – 181	8	Good to Moderate
5	189 – 193	4	Good to Moderate
6	224 – 236	12	Good to Moderate

Rw: - 15.4 Ω m Rm: - 14.8 Ω m

Note- All zones are intermixed with fine bands of kankar. Quality of the formation water is marginal to saline from 96 Mbgl to 161 Mbgl.


Anand Kumar
(Hydrogeologist)

For Geo-Technical Consultant,


Authorised Signatory