

GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

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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	SARKANDI ZONE 1
Block	ASHOTHAR
District	FATEHPUR
Logged Depth	155.2 MBGL
Type of Log	Continuous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	IGIS
Logging Date	08.03.2024

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
1	45 – 50	5	Good
2	52 – 56	4	Good
3	66 – 72	6	Good
4	85 – 90	5	Good
5	99 – 102	3	Good
6	107 – 110	3	Good
7	111 – 115	4	Good

Rw – 17.1 Ohm mtr and Rm – 16.0 Ohm mtr

Note: 5 MBGL to 32 MBGL the formation water quality is marginal to saline. Below 125 MBGL to log depth the formation water quality is deteriorating till log depth.


Anand Kumar
(Hydrogeologist)

For Geo-Technical Consultant,



Authorised Signatory