



GEO - TECHNICAL  
CONSULTANT

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(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. M/s. VTL- GAJA (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	Behta Murtajapur
Block	Bahadurpur
District	Amethi, U.P.
Logged Depth	354.8 Mtr BGL
Type of Log	Continous well logger (SP, N16 (SN), N64 (LN) & LAT)
Machine Used	JGTS
Logging Date	25.06.2023

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Quality
<del>1</del>	12 – 36	24	Good
<del>2</del>	45 – 50	5	Moderate
<del>3</del>	174 – 181	7	Moderate
<del>4</del>	188 – 192	4	Moderate
<del>5</del>	198 – 216	18	Good
<del>6</del>	230 – 233	3	Moderate
<del>7</del>	277 – 284	7	Moderate
<del>8</del>	297 – 307	10	Moderate to marginal
<del>9</del>	322 – 327	5	Moderate to marginal

Rw – ~~10.6~~ Ohm mtr and Rm – ~~12.3~~ Ohm mtr

Note : Sr No 8 is High Kanakar Intermixed. The formation water is deteriorating from marginal to saline in between 54 -162 MBGL Prominent Clay kankar intercalation lies in between 162 - 173 MBGL.

- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by firm as per their calibration | logger  
G.S.H  
20/06/23

For Geo-Technical Consultant,

Authorised Signatory