



GEO - TECHNICAL  
CONSULTANT

## GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar  
Pradesh (India)

E-mail: [machteertools55@gmail.com](mailto:machteertools55@gmail.com) , Mobile Number :- 9265018387

Ref : MTL/WL/22-23/ 59

Date 02.10.2022

### REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

A deep borehole was drilled by working agency M/s. GVPR Engineers Limited as a part of their scope of work of development of Tubewell under Jal Jeevan Mission Project of SWSM, MTL conducted a Geophysical Resistivity logging in the above borehole.

Village Name	Bhojpur Nigo
Block	Chhibramau
District	Kannauj , U.P.
Drilling Depth	200 Mtr BGL
Logged Depth	199.6 Mtr BGL
Type of Log	S.P & Resistivity
Machine Used	IGIS
Logging Date	02.10.2022

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

Sr. No.	Depth Range (mtr BGL)	Thickness (mtr)	Expected Litholog	Expected Quality
1	0 – 6		Top Soil	
2	7 – 14		Clay	
3	15 – 20	5	Fine Sand	Good
4	21 – 26		Sand with Clay	
5	27 – 35	8	Medium to Fine Sand	Good
6	36 – 44		Sandy Silt	
7	45 – 76	31	Medium to Fine Sand	Good
8	77 – 87		Sand with Clay	
9	88 – 97		Clay With Kankar	
10	98 – 101		Kankar with Sand	
11	102 – 113		Clay with Silt	
12	114 – 125	11	Medium Sand	Good
13	126 – 133		Silty Sand	
14	134 - 147		Clay with Kanakr	
15	148 – 164		Clay with Silt	
16	165 – 199.6		Clay	



GEO - TECHNICAL  
CONSULTANT

## GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar  
Pradesh (India)

E-mail: [machteertools55@gmail.com](mailto:machteertools55@gmail.com) , Mobile Number :- 9265018387

### Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. Water Level is 2 mtr below ground level.
3. The Quality of water is Good. However, it is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
4. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.
5. Logging Performed as per SWSM Guideline.
6. Logger machine is calibrated and accordingly ground water quality interpreted

Anand Kumar  
(Hydrogeologist)

For Geo-Technical Consultant,

Authorised Signatory



GEO - TECHNICAL  
CONSULTANT

# GEO – TECHNICAL CONSULTANT

(Division of MACHTECH)

Plot no. 61 Vikaskung, Near Tower, Dibiyapur – 206244, District – Auraiya, Uttar Pradesh (India)

E-mail: [machteertools55@gmail.com](mailto:machteertools55@gmail.com), Mobile Number :- 9265018387

