



**REPORT ON GEO-PHYSICAL ELECTRONIC WELL LOGGING OF  
BOREHOLE DRILLED AT VILL. BOHLA, BLOCK BARAUT,  
DISTT. BAGHPAT (UP)**

Drilled Depth :- 160 m  
Logg Depth :- 160 m  
Water Level :- 28 m (Approx.)  
Date :- 21/06/2023

OBSERVED

The following granular zones have been observed beyond the static ground water level with the help of Advanced Electronic Geophysical Logger

Depth Range In Mtrs. (B.G.L.)		Length (Mtrs.)	Nature Of Samples	Expected Water Quality
0.00	15.00	15.00	Surfece Clay with top Soil	
15.00	20.00	5.00	Fine Medium Sand	
20.00	30.50	10.50	Clay	
30.50	39.50	9.00	Fine Medium Sand	Medium
39.50	47.00	7.50	Clay	
47.00	61.50	14.50	Fine Medium Sand	Medium
61.50	67.50	6.00	Clay	
67.50	76.50	9.00	Fine Medium Sand	Medium
76.50	100.00	23.50	Clay	
100.00	103.50	3.50	Fine Medium Sand	Medium
103.50	136.50	33.00	Clay	
136.50	139.50	3.00	Fine Sand	Fair
139.50	151.00	11.50	Clay	
151.00	152.00	1.00	Fine Sand	
152.00	160.00	8.00	Clay	

Fig 6 Water logging Report



**Conclusions and Recommendations :**

1. The Litholog inferred broadly tallies with that of the well-site litholog.
2. The zones are highlighted as bold appear to be Aquifer Zones for possible development of tubewell.
3. As per thickness of the Aquifer the expected discharge is 80,000 LPH to 1,00,000 LPH.
4. Water Level is 28 mtr. BGL. (Approx).
5. The Quality of water is Good. However, it is recommended to have a chemical and bacteriological analysis of the water sample before using it before human consumption or for any other use.
6. The shallow aquifers are also recommended for development to get good quantity of water.
7. 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.

For Sunrise Water Sources  
G. Singh  
Auth. Sign.

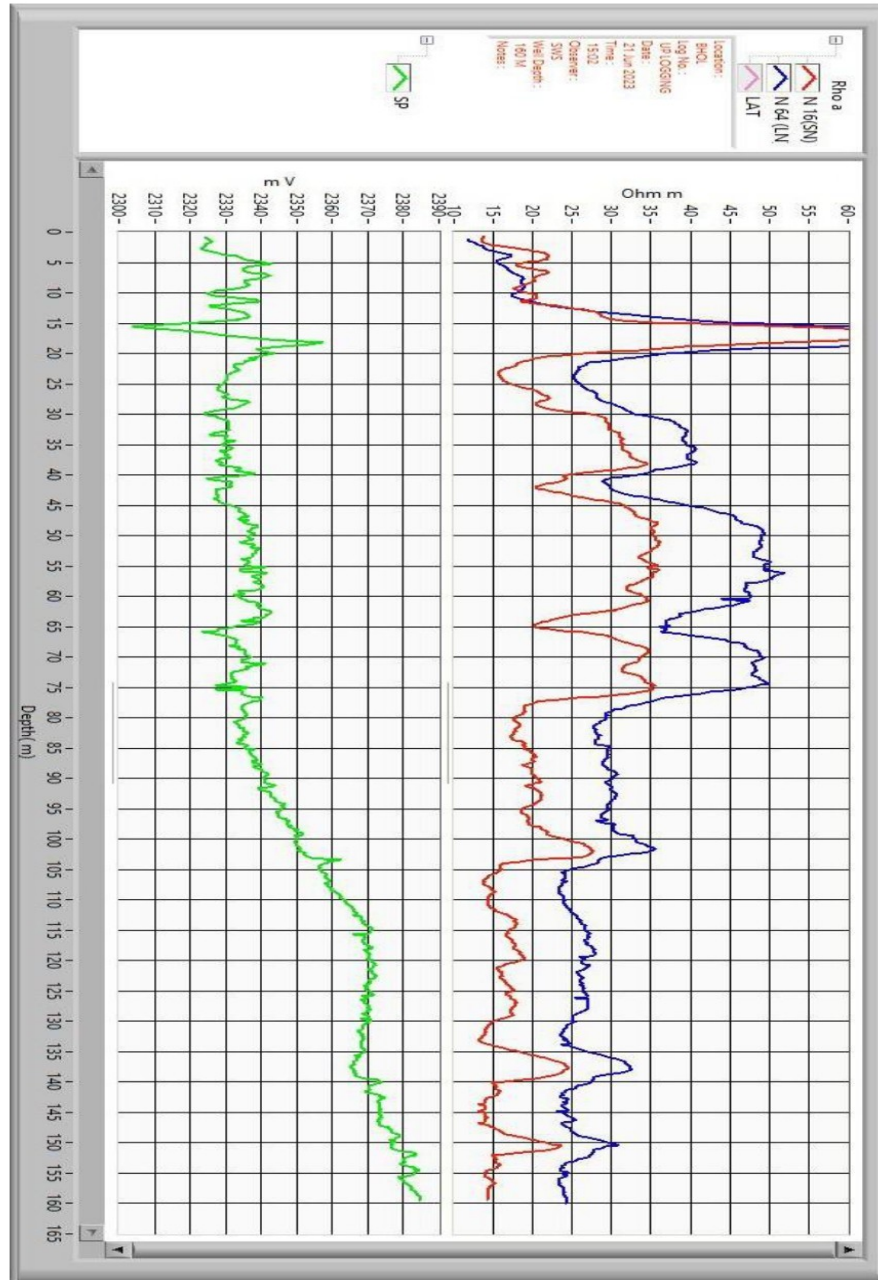


Fig 8 Water logging Graph