

REPORT ON GEO-PHYSICAL ELECTRICAL  
LOGGING OF BOREHOLE

at  
Village: Daha  
Binoli, Baghpat, Uttar Pradesh

For  
M/s. LC Infra Projects Private Limited.  
Ahmedabad.

*Conducted by*



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Date: 2<sup>nd</sup> August 2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At

**Village: Daha**

Binoli, Baghpat, Uttar Pradesh

**Introduction:**

A deep borehole of 145 (476 Feet) was drilled *M/s. LC Infra Projects Limited, Ahmedabad*, On the request of *M/s. LC Infra Projects Limited, Ahmedabad*, GGWC conducted a Geophysical Resistivity logging in the above borehole using IGIS's Logger dated 2<sup>nd</sup> August 2023

Based on the interpretation of the Logging, the following litho logy has been inferred which tallies fairly well with the well-site litho-log based on mud-wash samples.

<i>Depth in m</i>	<i>Expected Litholog</i>	<i>Expected Quality</i>
0 - 3	Surface Soil	
3 - 14	Sandy clay	
14 - 22*	Fine sand	
22 - 31	Sandy clay kankar	
31 - 45*	Fine sand	Good
45 - 51	Sandy clay	
51 - 61*	Medium to fine sand	Good
61 - 71	Clay kankar	
71 - 99*	Medium sand	Good
99 - 105	Clay kankar	
105 - 118*	Medium sand	Good
118 - 145	Clay	

*Conclusions and Recommendations:*

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. The zones marked with an asterisk (\*) appear to be Aquifer Zones for possible development of tubewell.
3. As per the thickness of the Aquifer the expected discharge is 50,000 LPH to 70,000 LPH.
4. Water Level is 31 m below ground level.
5. The Quality of the 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.
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 Global Groundwater Consultants*



*Chief Executive*

### SP and Resistivity Curves

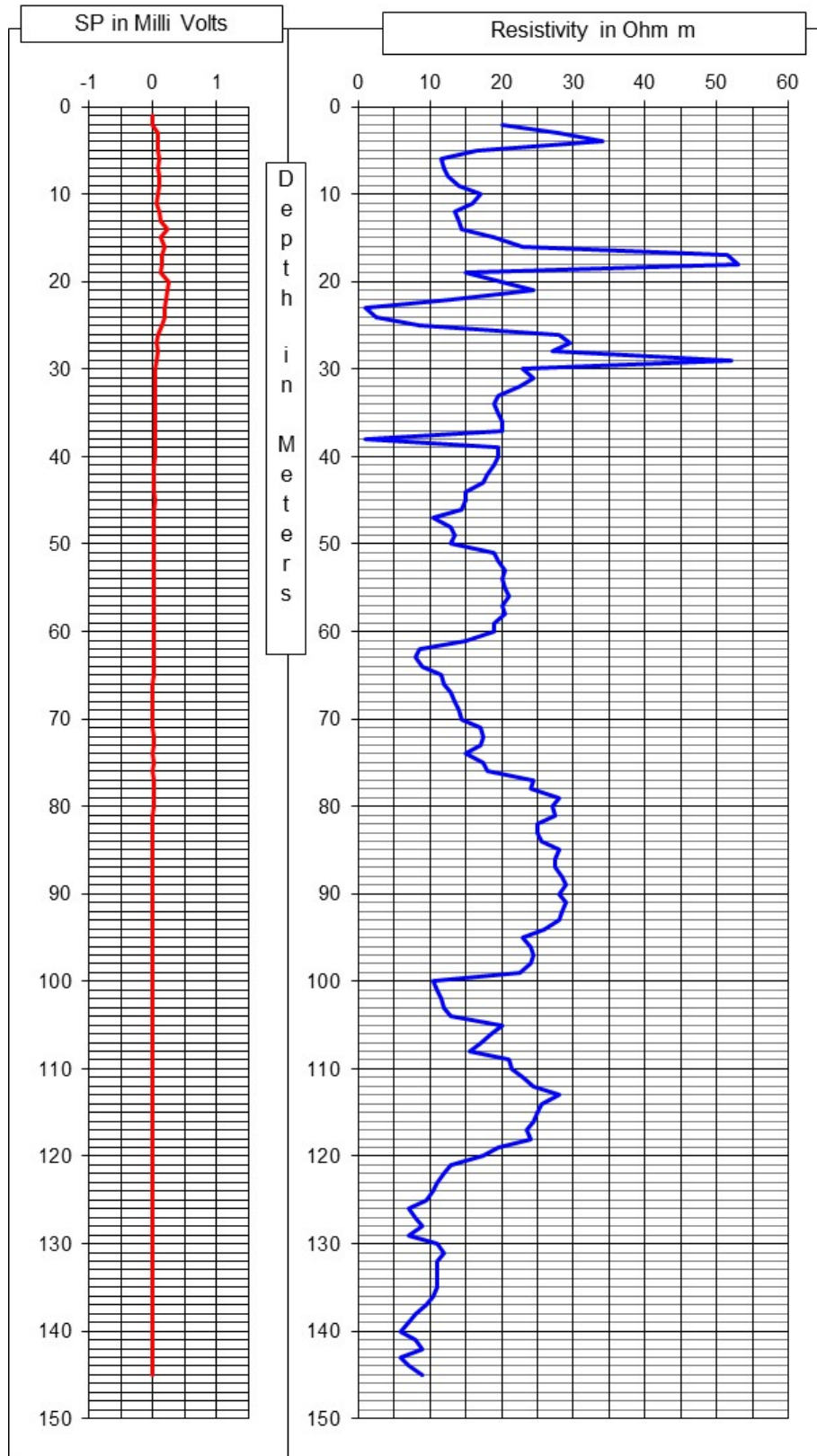






Photo of the Site at the time of Logging