

REPORT ON GEO-PHYSICAL ELECTRICAL  
LOGGING OF BOREHOLE

at  
Village: Silana  
Chhaprauli, Baghpat, Uttar Pradesh

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

*Conducted by*



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Date: 15<sup>th</sup> April 2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At

**Village: Silana**

Chhaprauli, Baghpat, Uttar Pradesh

**Introduction:**

A deep borehole 142 (466 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 4<sup>th</sup> April 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 - 11	Sandy clay	
11 - 22	Medium sand	
22 - 38*	Fine sand	
38 - 90*	Medium sand	Good
90 - 104	Sandy clay	
104 - 112*	Medium sand	Good
112 - 122*	Medium to fine sand	Good
122 - 142	Clay kankar	

*Conclusions and Recommendations:*

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. The zones marked with asterisk (\*) appear to be Aquifer Zones for possible development of tubewell.
3. As per thickness of the Aquifer the expected discharge is 50,000 LPH to 60,000 LPH.
4. Water Level is 22 m below ground level.
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 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

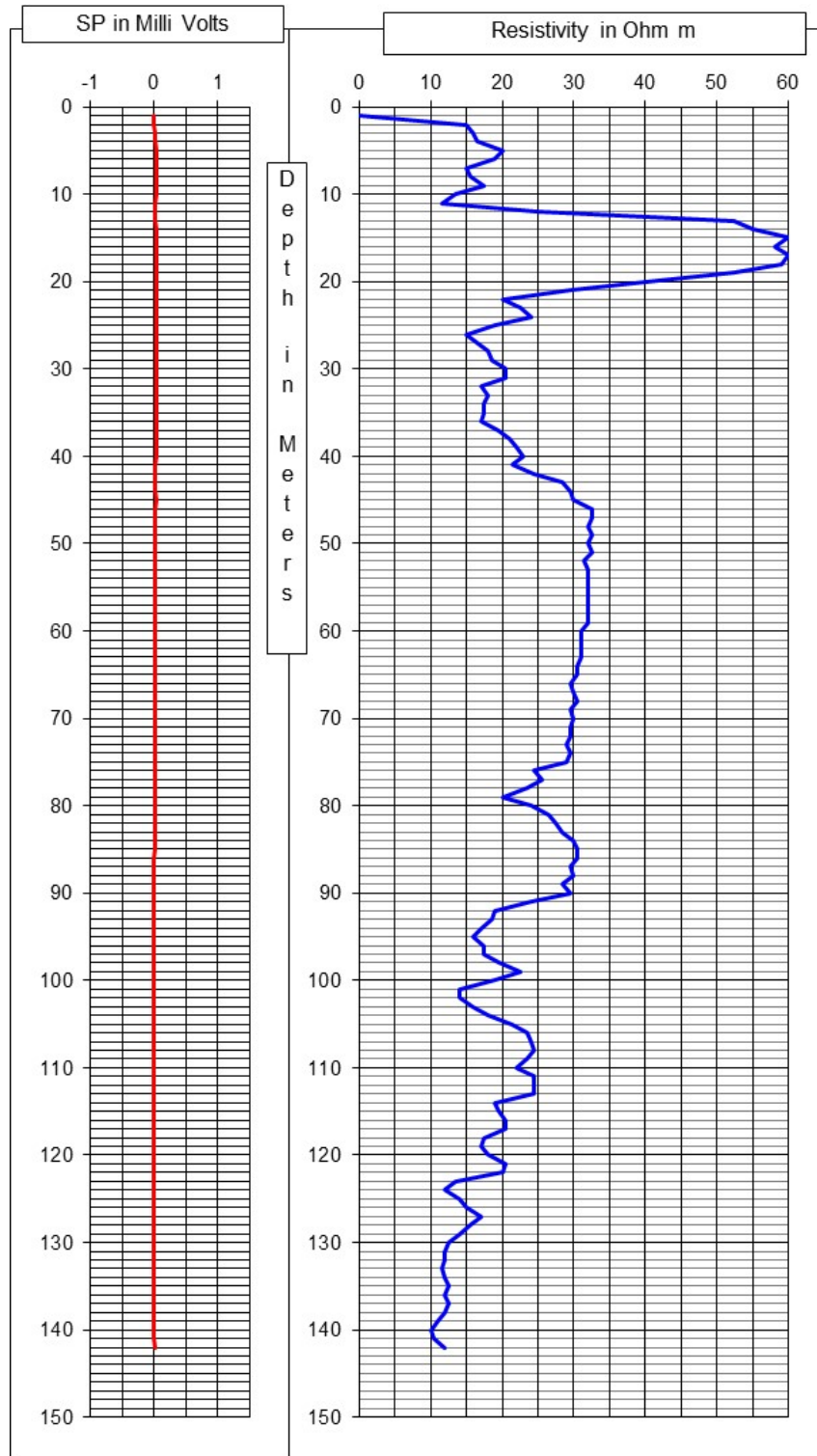




Photo of the Site at the time of Logging