

REPORT ON GEO-PHYSICAL ELECTRICAL  
LOGGING OF BOREHOLE

at  
Village: Amipur-Baleni  
Pilana, Baghpat, Uttar Pradesh

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

*Conducted by*



GLOBAL GROUND WATER CONSULTANTS  
(Consulting Geologists & Geophysicists)  
84- III Floor, Humayun pur, Safdarjung Enclave, New Delhi - 110 029  
Phone: 9818-888824; 9818-007038.

Date: 24<sup>th</sup> February, 2023

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At  
**Village: Amipur-Baleni**  
 Pilana, Baghpat, Uttar Pradesh

**Introduction:**

A deep borehole 150 (492 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 on 24<sup>th</sup> February, 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 - 13	Fine sand	
13 - 21	Sandy clay	
21 - 30*	Medium sand	Good
30 - 37	Sandy clay	
37 - 56*	Medium sand	Good
56 - 62	Sandy clay	
62 - 75*	Medium sand	Good
75 - 78*	Fine sand	Good
78 - 84	Clay	
84 - 92*	Medium sand	Good
92 - 108	Clay	
108 - 119*	Fine sand	Good
119 - 150	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 15 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

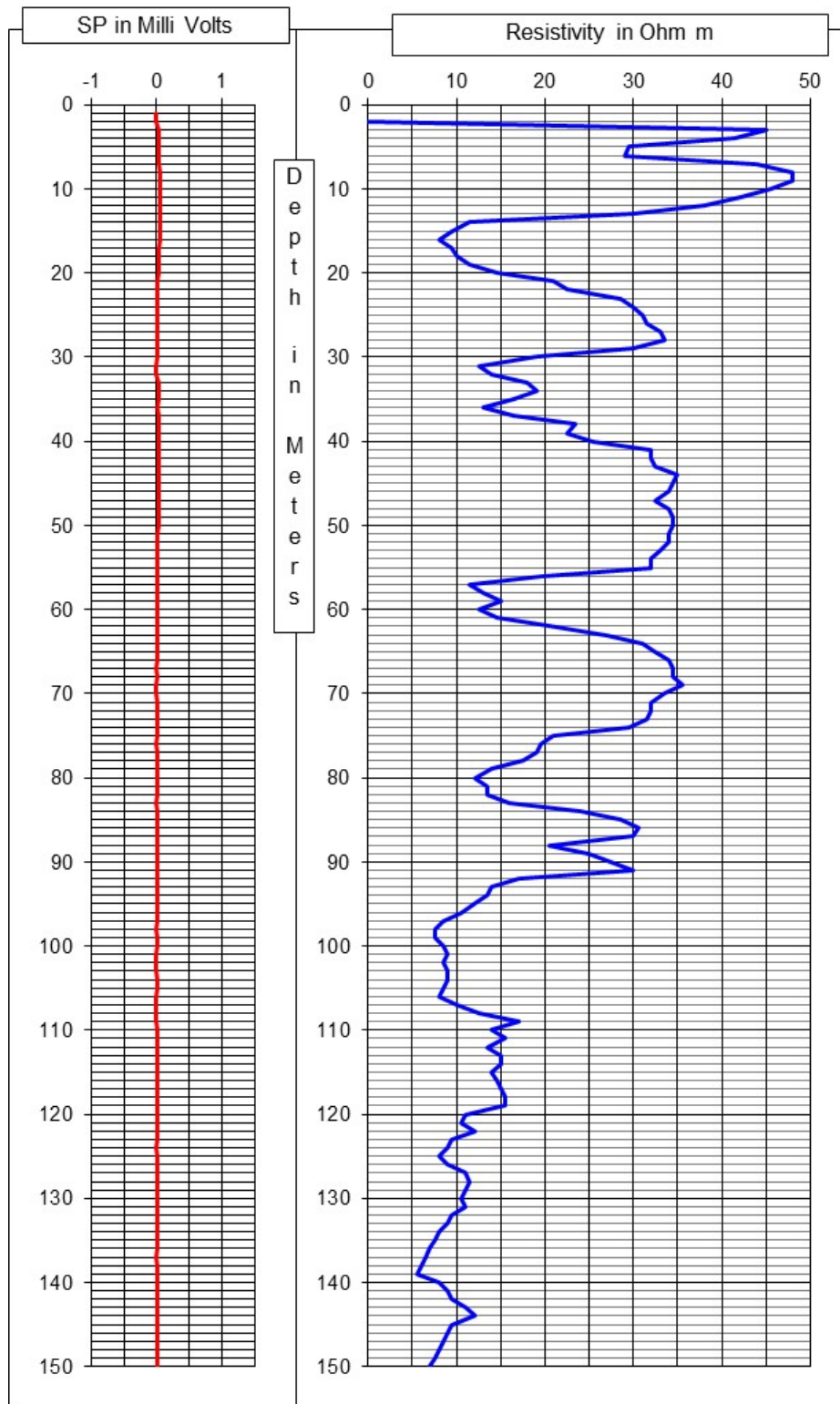




Photo of the Site at the time of Logging