

REPORT ON GEO-PHYSICAL ELECTRICAL
LOGGING OF BOREHOLE

at
Village: Badarkha
Chhapparauli, Baghpat, Uttar Pradesh

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

Conducted by



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Date : 16th January, 2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At
Village: Badarkha
 Chhaparauli, 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 on 16th January, 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 - 5	Fine sand	
5 - 12	Clay	
12 - 19	Fine and	
19 - 34	Clay	
34 - 47*	Fine sand	Good
47 - 52	Clay	
52 - 57*	Fine sand	Good
57 - 60	Sandy clay	
60 - 69*	Fine sand	Good
69 - 75	Clay kankar	
75 - 86*	Medium to fine sand	Good
86 - 106	Clay kankar	
106 - 114*	Fine sand	Marginally saline
114 - 142	Clay kankar	Saline

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 40,000 LPH to 50,000 LPH.
4. Water Level is 20 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

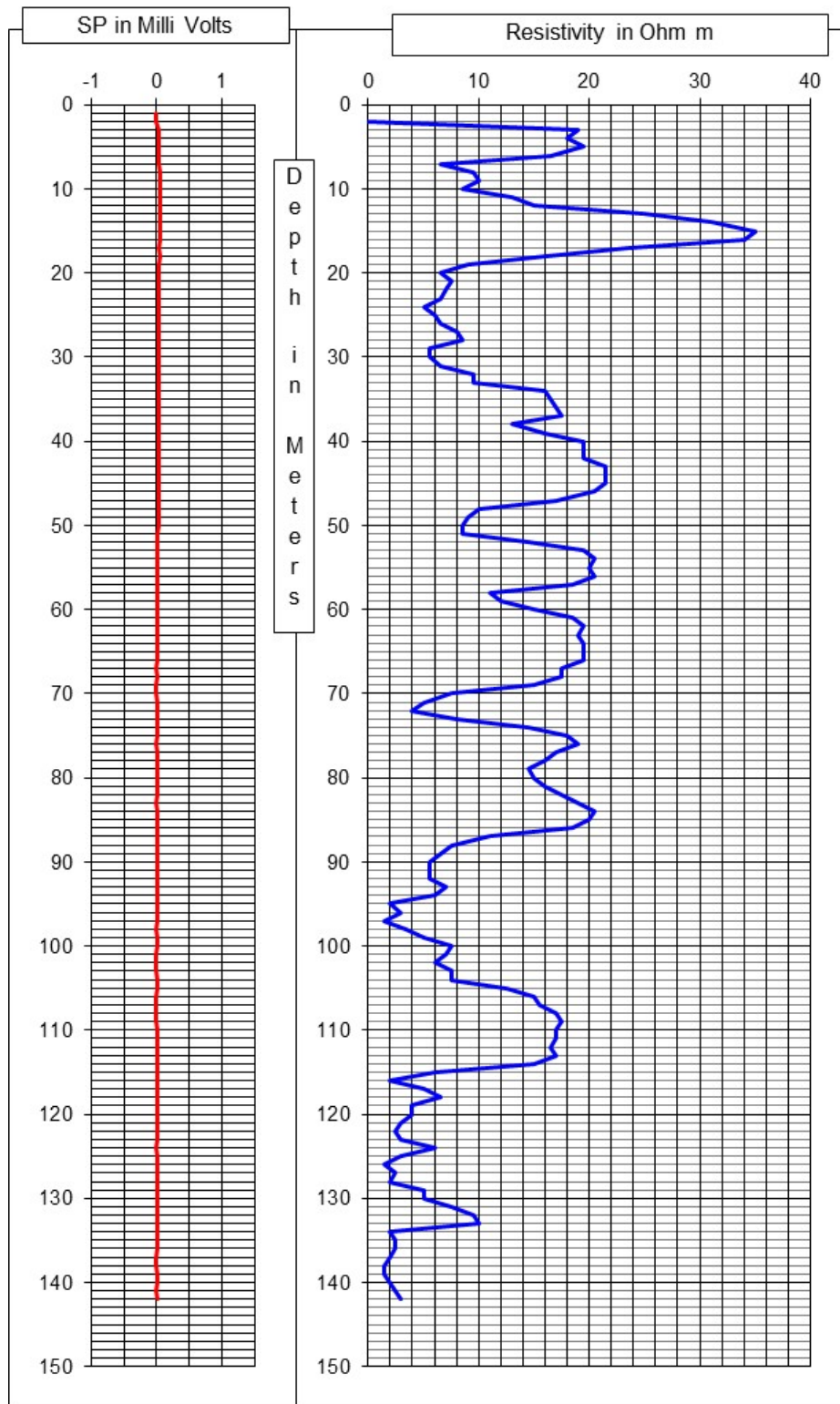




Photo of the Site at the time of Logging