

REPORT ON GEO-PHYSICAL ELECTRICAL
LOGGING OF BOREHOLE

at
Village: Roshangarh
Pilana, Baghat, 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 : 9th January, 2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At
Village: Roshangarh
 Pilana, Baghpat, Uttar Pradesh

Introduction:

A deep borehole 179 (587 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 9th 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 - 10	Sandy clay	
10 - 18*	Fine and	
18 - 36	Clay kankar	
36 - 57*	Fine sand	Marginally good
57 - 92*	Medium to fine sand	Marginally good
92 - 101*	Fine sand	Marginally good
101 - 116	Clay	
116 - 120*	Fine sand	Marginally good
120 - 124	Clay	
124 - 128*	Fine sand	Marginally good
128 - 152	Clay kankar	
152 - 162*	Medium sand	Marginally good
162 - 179	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 40,000 LPH to 50,000 LPH.
4. Water Level is 32 m below ground level.
5. The Quality of water is Marginally 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



A handwritten signature in blue ink, appearing to be "K. Singh".

Chief Executive

SP and Resistivity Curves

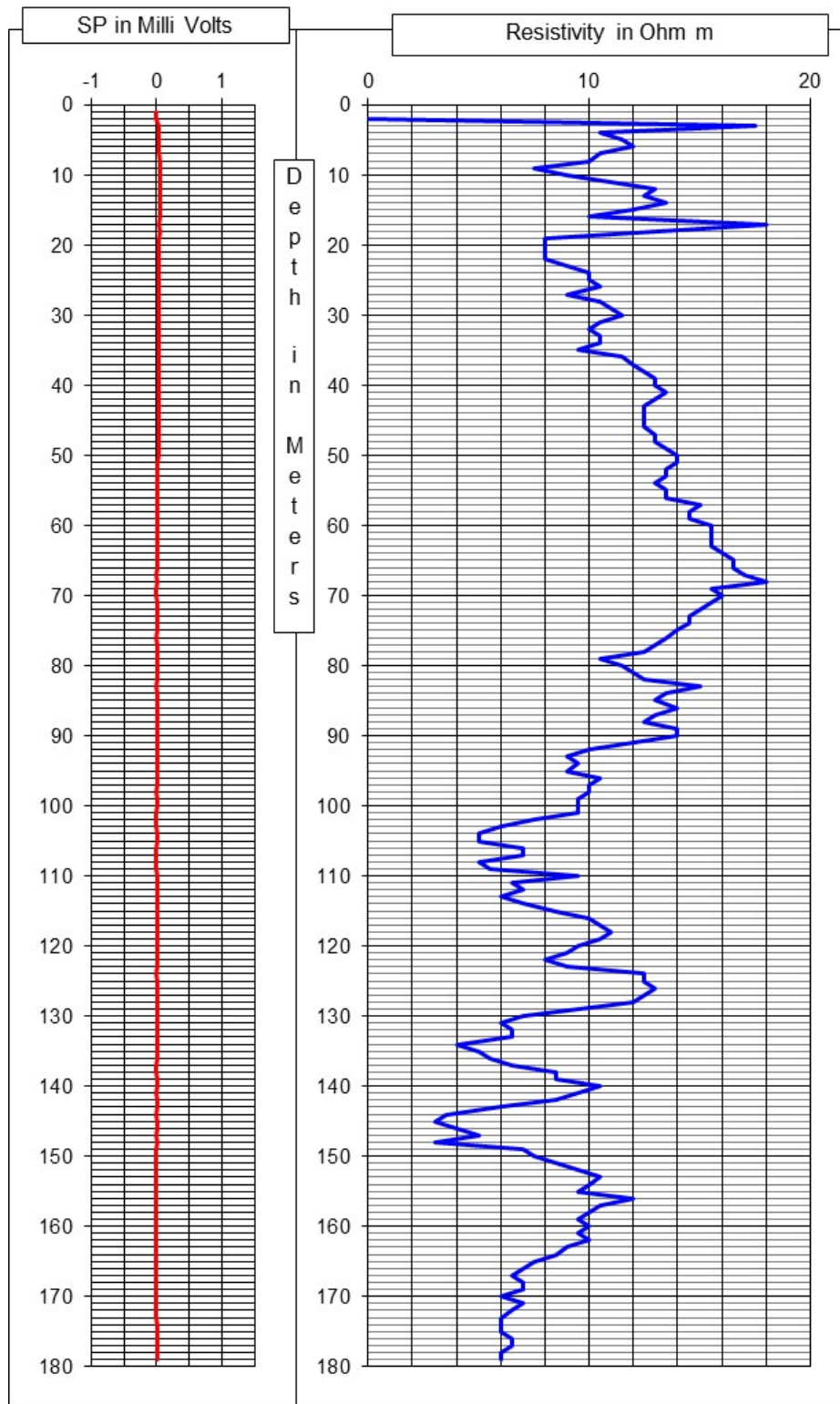




Photo of the Site at the time of Logging