

REPORT ON GEO-PHYSICAL ELECTRICAL
LOGGING OF BOREHOLE

at
Village: Muzaffarpur Kambala
Bagpat, Baghat, Uttar Pradesh

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

Conducted by



GLOBAL GROUND WATER CONSULTANTS
(Consulting Geologists & Geophysicists)
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Date: 5th January 2024

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At
Village: Muzaffarpur-Kambala
 Baghpat, Baghpat, Uttar Pradesh.

Introduction:

A deep borehole 137 (449 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 5th January 2024

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 - 12	Fine sand	
12 - 18*	Kankar sand	
18 - 31	Sandy clay	
31 - 54*	Medium sand	Good
54 - 58	Sandy clay kankar	
58 - 81*	Medium sand	Good
81 - 90	Clay	
90 - 101*	Fine to medium sand	Good
101 - 115	Clay	
115 - 125*	Fine to medium sand	Good
125 - 137	Clay	

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 the thickness of the Aquifer the expected discharge is 50,000 LPH to 60,000 LPH.
4. Water Level is 31 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



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

Chief Executive

SP and Resistivity Curves

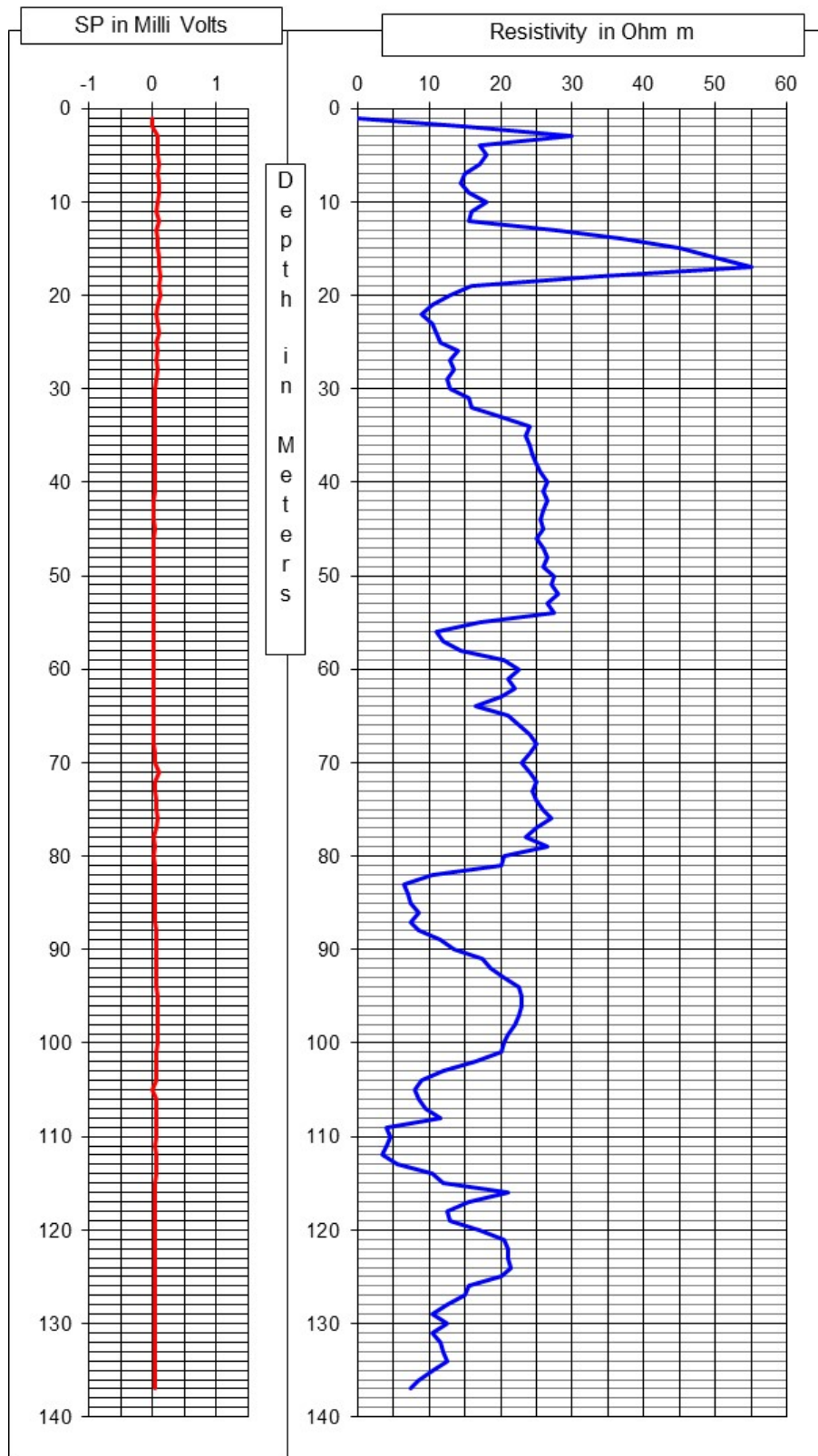




Photo of the Site at the time of Logging