

REPORT ON GEO-PHYSICAL ELECTRICAL
LOGGING OF BOREHOLE

at
Village: Vazidpur
Baraut, Baghpat, Uttar Pradesh

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

Conducted by



GLOBAL GROUND WATER CONSULTANTS
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Date: 9th May 2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At

Village: Vazidpur**Baraut, Baghpat, Uttar Pradesh****Introduction:**

A deep borehole 162 (531 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 9th May 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 - 18	Fine sand	
18 - 26	Sandy clay	
26 - 34*	Medium sand	Good
34 - 38	Sandy clay	
38 - 48*	Medium sand	Good
48 - 52	Sandy cay	
52 - 61*	Medium sand	Good
61 - 65	Clay	
65 - 75*	Medium sand	Good
75 - 80*	Fine sand	Good
80 - 113	Clay kankar	
113 - 122*	Medium sand	Good
122 - 126	Sandy clay	
126 - 162	Clay kankar	

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litholog.
2. The zones marked with an 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 25 m below ground level.
5. The Quality of the 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. Singh".

Chief Executive

SP and Resistivity Curves

