REPORT ON GEO-PHYSICAL ELECTRICAL LOGGING OF BOREHOLE

at

Village: Dhodhra

Baghpat, Baghpat, Uttar Pradesh

For

M/s. LC Infra Projects Private Limited.

Ahmedabad.

Conducted by

GLOBAL GROUND WATER CONSULTANTS

(Consulting Geologists & Geophysicists)

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Phone: **9818-888824; 9818-007038**.

Date: 16th June 2023

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE
At
Village: Dhodhra
Baghpat, Baghpat, Uttar Pradesh

Introduction:

A deep borehole of 143 (469 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 16th June 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.

Depth in m			***Expected Litholog***	***Expected Quality***
0	-	3	Surface Soil	
3	-	10	Sandy clay	
10	-	17*	Fine sand	
17	-	79*	Medium sand	Good
79	-	85	Sandy clay	
85	-	102*	Medium to fine sand	Good
102	-	117	Sandy clay	
117	-	126*	Medium sand	Good
126	-	143	Clay with kankar	

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litho-log.

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 70,000 LPH.

4. Water Level is 17 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

Global Ground Water Consultants
Sign.....
Date :.....
New Delhi

Chief Executive

SP and Resistivity Curves

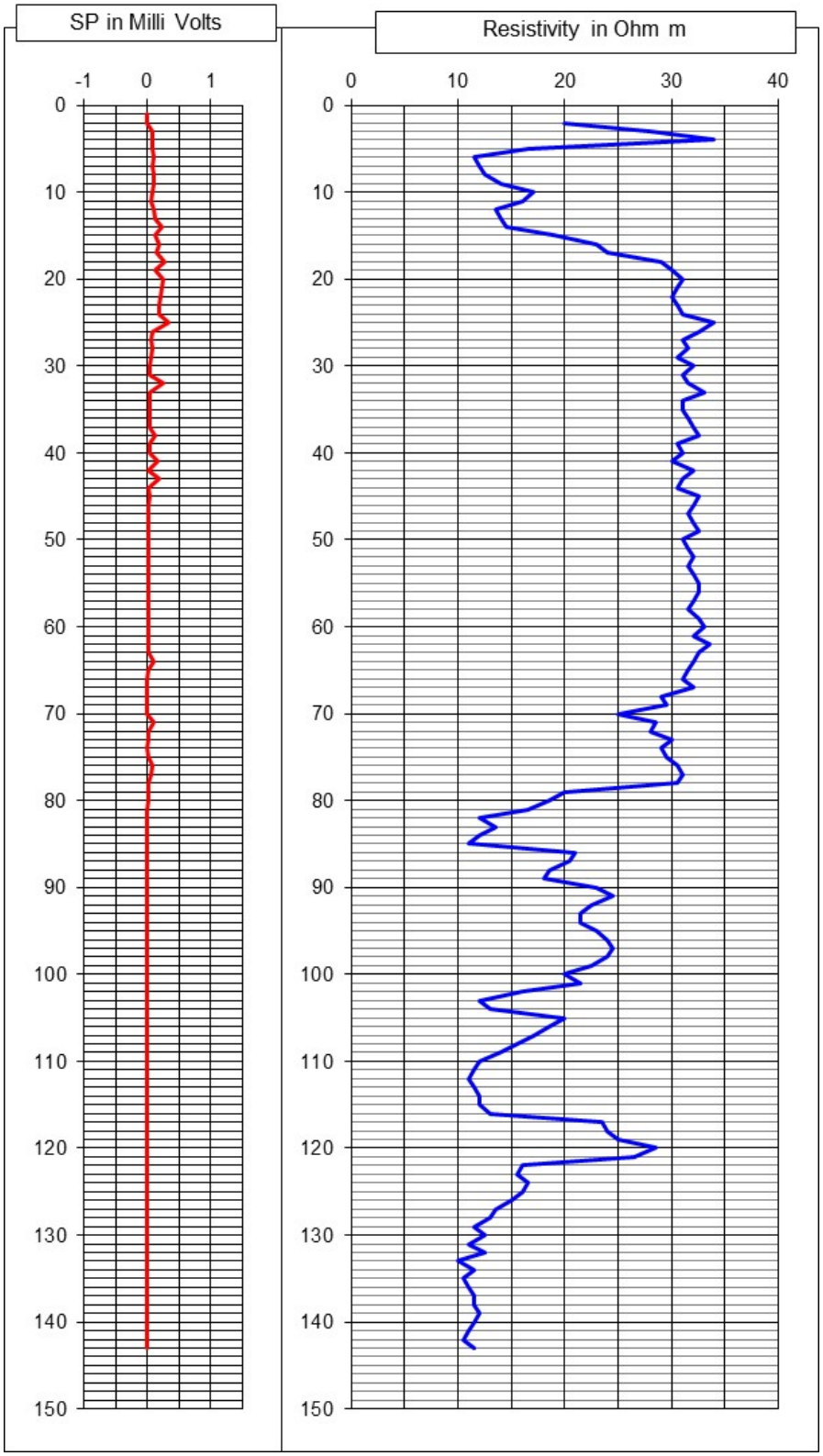

Photo of the Site at the time of Logging