



Logging at: Village Shahbanpur, Khekra, Baghpat, U.P.

1

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At
Village: Shahbanpur
Khekra, Baghpat, Uttar Pradesh

Introduction:

A deep borehole of 145 (476 Feet) was drilled *M/s. LC Infra Projects Limited, Ahmedabad*, On the request of *M/s. JDB Enterprise, Ahmedabad*, GGWC conducted a Geophysical Resistivity logging in the above borehole using IGIS's Logger dated 7th August 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 - 21	Clay kankar	
21 - 36*	Fine to medium sand	Good
36 - 68*	Medium sand	Good
68 - 77	Clay kankar	
77 - 86*	Medium sand	Good
86 - 98	Sandy clay	
98 - 115*	Fine sand	Good
115 - 138	Clay kankar	
138 - 145	Sandy clay	

*Global Groundwater Consultants
Consulting Geologists and Geophysists*

Fig 6 Water logging Report



Logging at: Village Shahbanpur, Khehra, Baghpat, U.P.

2

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 50,000 LPH to 60,000 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



Chief Executive

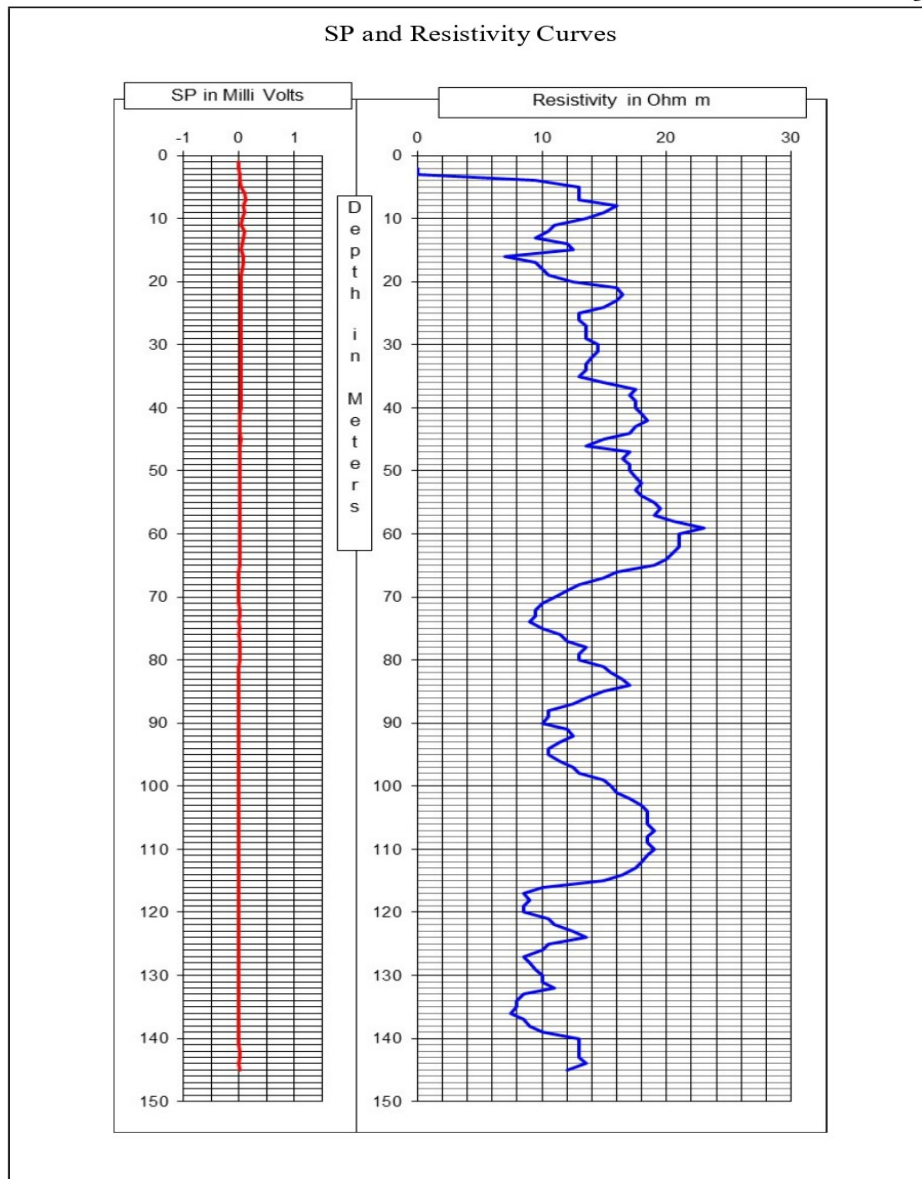
*Global Groundwater Consultants
Consulting Geologists and Geophysists*

Fig 7 Water logging Report



Logging at: Village Shahbanpur, Khehra, Baghpat, U.P.

3



*Global Groundwater Consultants
Consulting Geologists and Geophysists*

Fig 8 Water logging Graph