

REPORT ON GEO-PHYSICAL ELECTRICAL
LOGGING OF BOREHOLE

At
OHT Compound
Babri Village, Shamli, Uttar Pradesh.

For
State Water Sanitation Mission (Jal Jeevan Mission)
UP Jal Nigam(Rural), Shamli, U.P

Submitted by

M/S. GAYATRI-RAMKY (JV)

B-1, 6-3-1090, TSR Towers, Rajbhavan Road
Hyderabad. Phone : 9313251914



GLOBAL GROUND WATER CONSULTANTS
(Consulting Geologists & Geophysicists)

84- III Floor, Humayun pur, Safdarjung Enclave, New Delhi - 110 029
Phone: **26182463; 26106625. 9818-888824; 9818-007038.**

Date : 26th June, 2022

REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At

OHT Compound

Babri Village, Shamli, Uttar Pradesh.

Introduction:

A deep borehole 167 m (547 Feet) was drilled by working agency M/s. Gayatri-Ramky JV, Hyderabad, as a part of their scope of work of development of tubewell under Jal Jeevan Mission Project of SWSM, GGWC conducted a Geophysical Resistivity logging in the above borehole using IGIS's Logger dated on 26th June, 2022.

Based on the interpretation of the logging, the following lithology 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 - 8	Sandy clay	
8 - 28	Medium sand	
28 - 41	Sandy clay	
41 - 45*	Fine sand	Good
45 - 54*	Medium sand	Good
54 - 68*	Fine sand	Good
68 - 78*	Medium sand	Good
78 - 90	Sandy clay	
90 - 101*	Fine to medium sand	Good
101 - 104	Sandy clay	
104 - 121*	Medium sand	Good
121 - 124*	Fine sand	Good
124 - 153*	Medium sand	Good
153 - 167	Sandy clay	

Conclusions and Recommendations:

1. The litholog inferred broadly tallies with that of the well-site litho-log.
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 Good.
4. Water Level is 30 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. *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



*M.Ravi Kanth
Hydrogeologist*

SP and Resistivity Curves

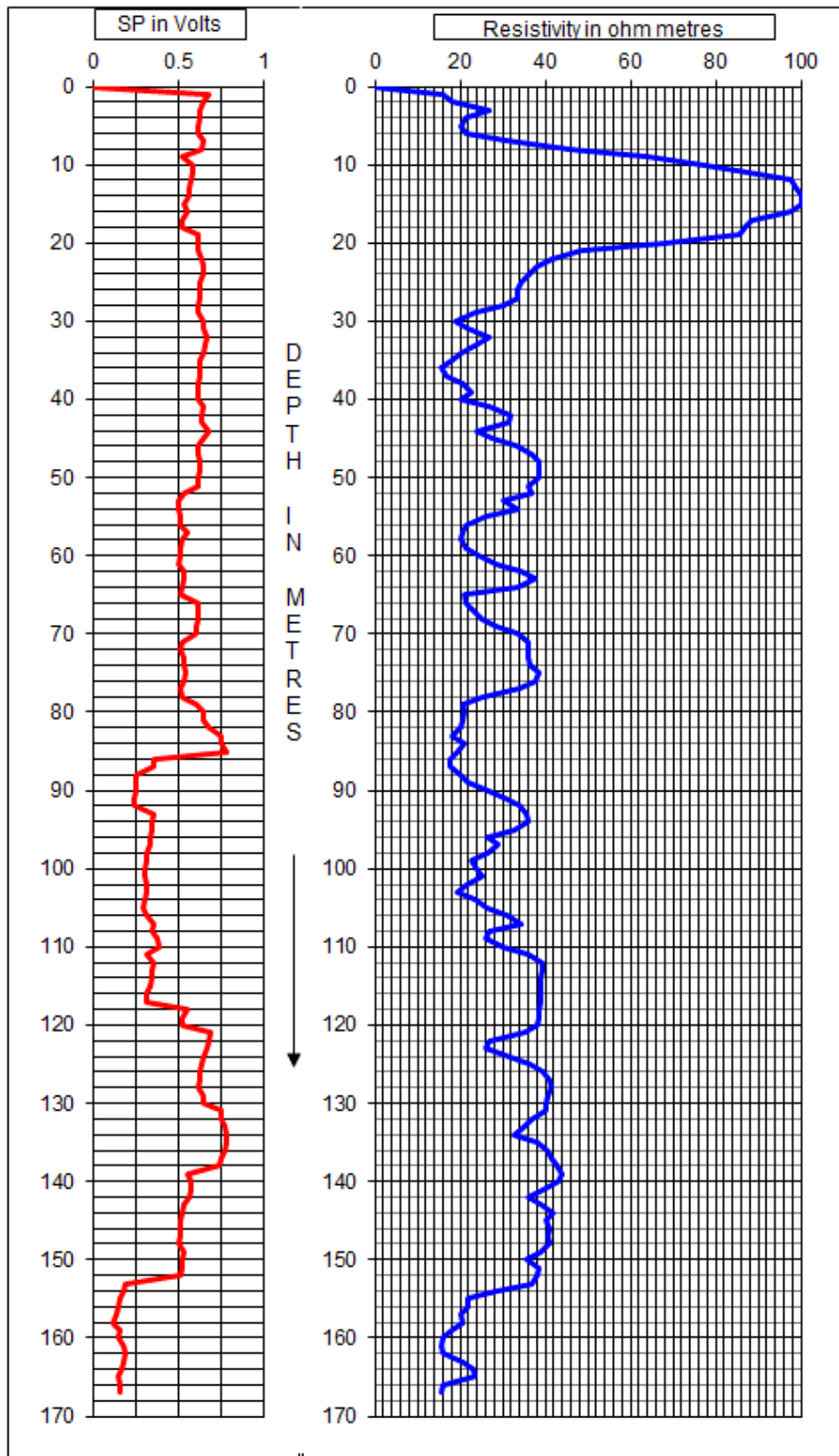




Photo of the Site at the Time of Logging

Babri (Shamli) Reorganisation

