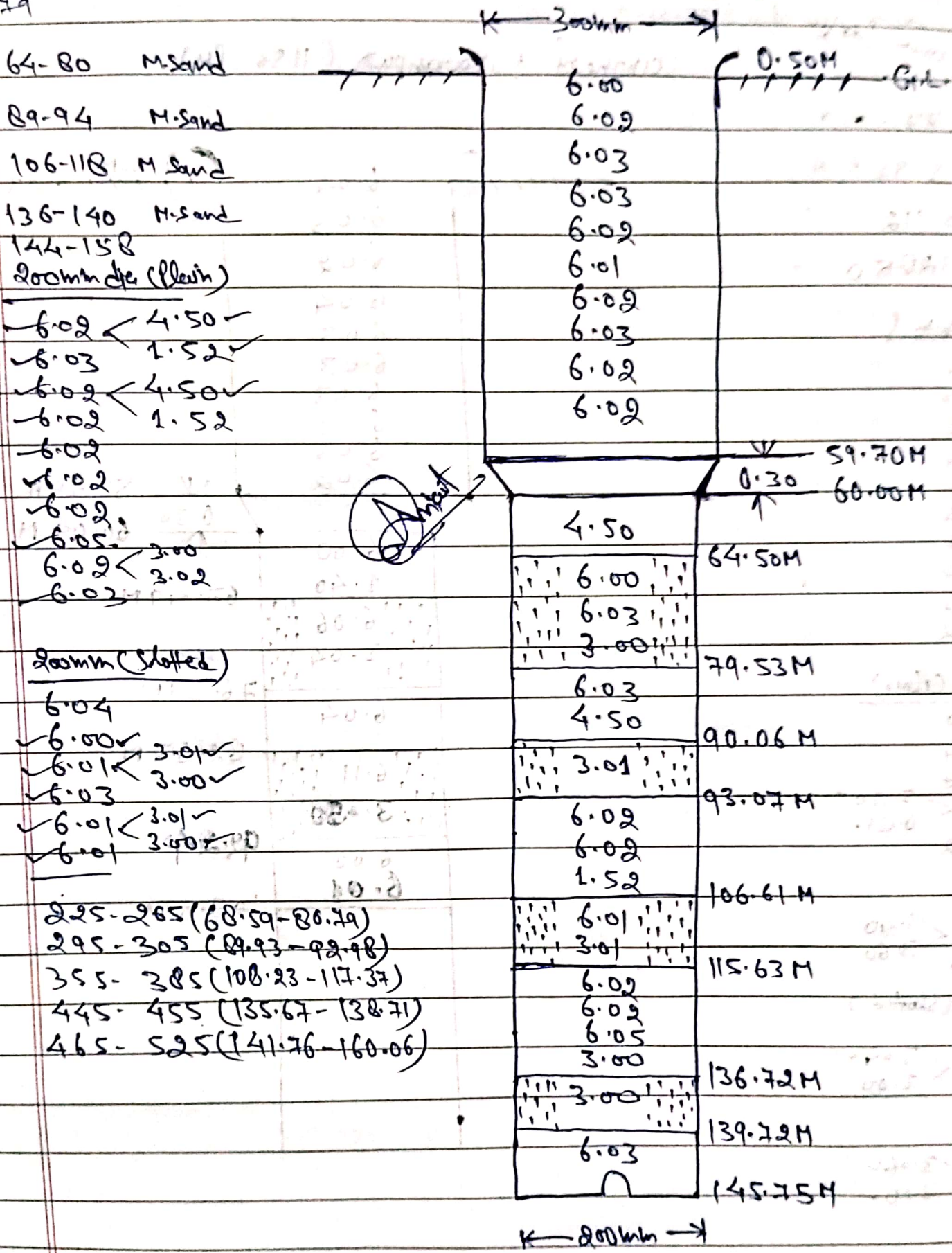


25/08/2022

Silamun TUD Reorganization

12/20



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REPORT ON GEO-PHYSICAL ELECTRICAL  
LOGGING OF BOREHOLE

At  
**Silawar 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)**

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Hyderabad. Phone : 9313251914



**GLOBAL GROUND WATER CONSULTANTS**  
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Phone: **26182463; 26106625. 9818-888824; 9818-007038.**

Date : 25<sup>th</sup> August, 2022

## REPORT ON GEO-PHYSICAL RESISTIVITY LOGGING OF BOREHOLE

At  
**Silawar Village**  
 Shamli, Uttar Pradesh.

**Introduction:**

A deep borehole 168 m (551 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 25<sup>th</sup> August, 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 - 6	Sandy clay	
6 - 18	Fine sand	
18 - 25*	Medium sand	Good
25 - 29	Sandy clay	
29 - 60*	Medium sand	Good
60 - 64	Sandy clay	
64 - 80*	Medium sand	Good
80 - 89	Clay	
89 - 94*	Medium sand	Good
94 - 106	Sandy clay	
106 - 118*	Medium sand	Good
118 - 136	Clay	
136 - 140*	Medium sand	Good
140 - 144	Sandy clay	
144 - 158*	Medium to fine sand	Good
158 - 168	Clay with kankar	

*Conclusions and Recommendations:*

1. The lithology 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 17 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*



A handwritten signature in blue ink that reads "M. Ravi Kanth".

*M.Ravi Kanth  
Hydrogeologist*

### SP and Resistivity Curves

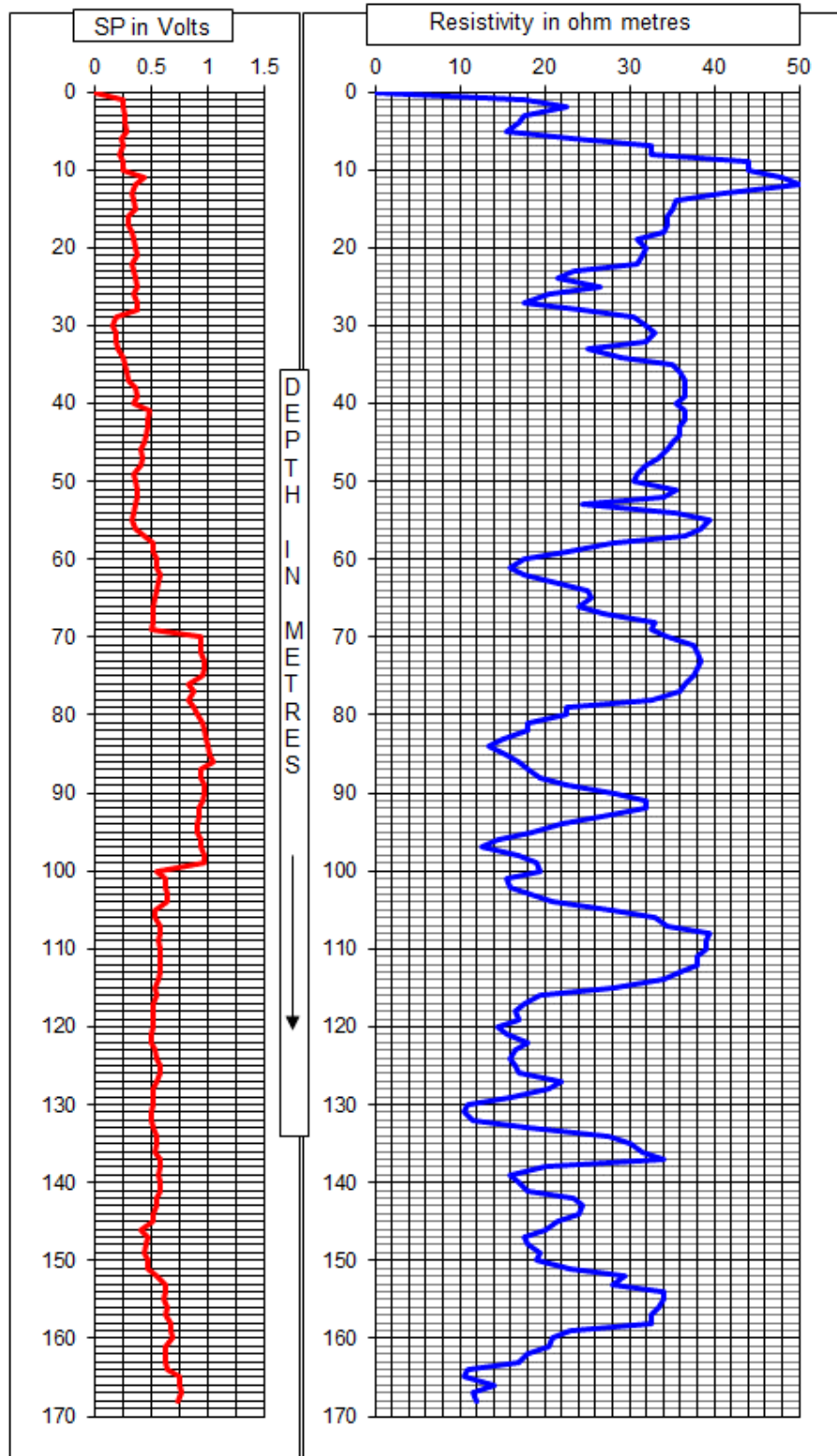






Photo of the Site at the Time of Logging