

# GEOPHYSICAL BOREHOLE LOGGING REPORT

**SOILTECH**  
(INDIA) PRIVATE LIMITED  
GROUND ENGINEERS & CONSULTANTS

Ref: SIPL/Elog/2023/Sudhakar inf/29

Date: 11<sup>th</sup> April 2023

Site: **ISHWARPUR**  
Block: **Rani Ki Sarai**  
District: **Azamgarh**  
State: **Uttar Pradesh**  
Date of Logging: **10-04-2023**  
Log Recorded by: **Atish Shankar (Geophysicist)**  
Drill Depth: **170.0 m bgl**  
Logging Depth: **165.0 m bgl**  
Latitude: **25.9936010**  
Longitude: **83.0812340**  
Rw: ~~12.0 cm~~ Rm = ~~14.0 cm~~  
Borehole Drilled by: **M/S Sudhakar Infratech Pvt Ltd, Azamgarh Uttar Pradesh**  
Representative: **M/S Square Space Infratech Pvt Ltd**

Based on the interpretation of Geophysical Logging Record Parameter of Self Potential (SP), Long Normal (N-64"), Short Normal (N-16"), Natural Gamma and single point Resistance (SPR) log data, the given borehole formation Granular zone deciphered with respect of salinity and Resistivity.

Sl No.	Depth Range (m bgl)	Thickness (meter)	Quality of Aquifer Water
<del>1</del>	<del>13-17</del>	<del>4</del>	<del>Good</del>
<del>2</del>	<del>24-28</del>	<del>4</del>	<del>Good</del>
<del>3</del>	<del>58-62</del>	<del>4</del>	<del>Good</del>
<del>4</del>	<del>70-83</del>	<del>13</del>	<del>Good</del>
<del>5</del>	<del>92-98</del>	<del>6</del>	<del>Good</del>
<del>6</del>	<del>117-127</del>	<del>10</del>	<del>Good</del>

**Note:**

- ~~1. Fine band of kankar are intermixed with almost all Zone~~
- ~~2. Predominating clay and kankar intercalation is present in range 30 m to 55 m bgl~~
- ~~3. Quality of ground water is deteriorating marginal to saline from 130 m to the end of log.~~

*Verified as per  
logs provided*

*GSh  
10/04/23*

For Soiltech India Pvt. Ltd.

*Atish Shankar*  
(Geophysicist)