

## Geophysical Well Logging Report

Ref No: 090224/01

Date 09/02/2024

Name of the Site :- Rampur Abu Saeed, Block-Mohammadpur  
 District :- Azamgarh  
 Date of logging :- 09-02-2024  
 Logging Depth :- 196m  
 Drilling Depth :- 200m  
 Types of log :- SP, N16, N64, SPR, Gama, Temperature  
 Logger Used :- JDX-3Dr Natural Gamma & Electrical Resistivity  
 Name of Agency :- Sudhakara Infratech Pvt Ltd  
 Co-ordinates :- 26.035518N, 83.012599E

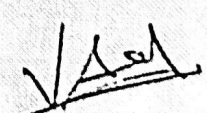
Based on the interpretation of geophysical logs, following information may be deciphered, Particularly with respect to salinity of the formation water.

S. No.	Depth Range from MBGL	Depth Range To MBGL	Thickness Mtr.	Inferred Lithology	Quality of Ground Water
01	31	35	04	Fine to Medium Sand mixed with Kankar	Good
02	40	44	04	Fine to Medium Sand mixed with Kankar	Good
03	47	52	05	Fine to Medium Sand mixed with Kankar	Good
04	91	102	11	Fine to Medium Sand mixed with Kankar	Good
05	109	112	03	Fine to Medium Sand	Good to moderate
06	164	169	05	Fine to Medium Sand	Good to moderate
07	173	176	03	Fine to Medium Sand	Good to moderate
08	179	182	03	Fine to Medium Sand	Good to moderate

Note: 1) Zone No 4 is very good zone and should be tapped for drinking.

2) Zones between 112mbgl to 164mbgl mostly contain saline water

3) Quality of the formation water is deteriorating saline below 182.00mbgl till depth logged. The formation below this depth is mostly clay.

  
 Vishesh Seth (Geophysicist)  
 Passout IIT-ISM Dhanbad  
 Previous Employee of Government of India,  
 Ministry of Jal Shakti  
 Central Ground Water Board