



# Aqua Xplore

(Groundwater Assessment & Allied Services)

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Ref 212 - B / AX - 2023

Date 12.02.2023

## Geophysical Borehole Logging Report

Name of the site : Birbalpur, Block - Mardah  
District : Ghazipur  
Date : 12.02.2023  
Depth logged : 323.0 mbgl  
Depth drilled : 330.0 mbgl- as reported  
Logger used : Robertson make  
Presence : Representative of M/S VSAIPPL-SMC JV, Ghazipur, U.P.

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

Sl.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	30.0—37.0	7.0	
2	54.0—58.0	4.0	
3	60.0—64.0	4.0	Good(1,4,5,6,7,8)
4	92.0—108.0	16.0	Moderate (2)
5	256.0—260.0	4.0	
6	286.0—290.0	4.0	Good to moderate
7	292.0—296.0	4.0	
8	316.0—320.0	4.0	(3)

Note All zones are Intermixed with kankar. Sl.Nos. 5 to 8 are highly Intermixed with kankar. Quality of the formation water is deteriorating marginal to saline in between 112.0 to 247.0 mbgl. Clay layer lies between 247.0 to 260.0 mbgl.

CC:

1. M/S VSAIPPL-SMC JV, Ghazipur, Uttar Pradesh

for Aqua Xplore

Verified as per  
logs provided.  
G.Sh  
13/02/23