



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001

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Advisor - Dr. R. A. Yadav, ex-Manager (Groundwater), U. P. Jal Nigam

Ref. 217 - U / AX - 2022

Date 17.02.2022

Geophysical Borehole Logging Report

Name of the site : Umari , Block- Kaisarganj

District : Bahraich

Date : 17.02.2022

Depth logged : 317.0 mbgl

Depth drilled : 330.0 mbgl

Logged by : Aqua Xplore

Presence : Rep. of M/S PNC Infratech.

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 (meter)	Probable Lithology	Remarks
1	14.0---22.0	8.0	Sand	Good
2	22.0---25.0	3.0	Clay	--
3	25.0---28.0	3.0	Sand	Good
4	28.0---32.0	4.0	Clay	--
5	32.0---56.0	24.0	Sand with Kankar	Good
6	56.0---60.0	4.0	Clay	--
7	60.0---68.0	8.0	Sand	Good
8	68.0---70.0	2.0	Clay	--
9	70.0---79.0	9.0	Sand	Good
10	79.0---84.0	5.0	Clay	--
11	84.0---100.0	16.0	Sand	Good
12	100.0---104.0	4.0	Clay	--
13	104.0---108.0	4.0	Sand	Good
14	108.0---114.0	6.0	Clay	--
15	114.0---119.0	5.0	Sand	Good
16	119.0---124.0	5.0	Clay	--
17	124.0---130.0	6.0	Sand with kankar	Good
18	130.0---150.0	20.0	Clay with kankar	--
19	150.0---166.0	16.0	Sand	Good
20	166.0---170.0	4.0	Clayey sand	--
21	170.0---193.0	23.0	Sand with kankar	Good
22	193.0---198.0	5.0	Clay	--
23	198.0---208.0	10.0	Sand	Good
24	208.0---222.0	14.0	Clay with kankar	--
25	222.0---227.0	5.0	Sand	Good
26	227.0---240.0	13.0	Sandy clay with kankar	--
27	240.0---276.0	36.0	Sand with kankar	Good
28	276.0---280.0	4.0	Clay	--
29	280.0---284.0	4.0	Sand	Good
30	284.0---294.0	10.0	Sandy clay with kankar	--
31	294.0---300.0	6.0	Sand	Good
32	300.0---305.0	5.0	Clay	--
33	305.0---312.0	7.0	Sandy clay with kankar	--
34	312.0---317.0	5.0	Clay	--

CC: 1. M/S PNC Infratech
ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
U. P. JAL NIGAM RURAL GONDA

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for Aqua Xplore