



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 209 - K / AX - 2023

Date 09.02.2023

Geophysical Borehole Logging Report

Name of the site : Khalilpur, Block - Naugarh

District : Siddharth Nagar

Date : 09.02.2023

Depth logged : 183.0 mbgl

Depth drilled : 200.0 mbgl - as reported

Logger use : Robertson make

Presence : Rep. of M/S Megha Engineering & Infrastructure Ltd., Hyderabad

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	33.0-37.0	4.0	Good all
2	41.0-47.0	6.0	
3	60.0-66.0	6.0	
4	72.0-85.0	13.0	
5	88.0-92.0	4.0	
6	104.0-108.0	4.0	
7	112.0-122.0	10.0	
8	125.0-129.0	4.0	
9	143.0-147.0	4.0	
10	153.0-160.0	7.0	
11	166.0-176.0	10.0	

Note. All zones are intermixed with kankar.

Verified as per
logs provided.

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

G. S. N.
09/02/23

GEOPHYSICAL BOREHOLE LOGGING REPORT

Ref:GIT:UP:PJM:22-23:LS:1K-223
 Dated: 17-01-2023

Site: Khailipur
 Block: Naugarh
 District: Siddharth Nagar
 State: Uttar Pradesh
 Drilling Depth: 206.0 m bgl
 Logging Depth: 193.0 m bgl
 Date of logging: 16-11-2023
 Rm - 17.02m Rw - 16.02m

55.15 → 56.52

Borehole Drilled by: M/s MEIL, Siddharth Nagar, Uttar Pradesh.

Based on the interpretation of Self Potential (SP), Short Normal (N-16''), Long Normal (N-64'') and Lateral 6' geophysical logs following information/granular zones have been deciphered with respect to Salinity only:

SI. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1	30 - 34	04	Good
2	60 - 67	07	Good
3	74 - 81	07	Good
4	85 - 92	07 - 6M	Good
5	115 - 128	13 - 9M	Good
6	135 - 139	04	Good
7	145 - 149	04 - 3M	Good
8	155 - 158	03	Good
9	165 - 172	07	Good

Note: 1. Fine bands of Kanakar are intermixed with almost all the Zones.

2. Zone SI. No. 5 is highly intermixed with very thin bands of Kanakar.

3. Zone SI. No. 7 is Medium Sand in nature.

4. Zone SI. No. 6 & 8 are Fine to Medium sand in nature.

For Geo Instruments & Technics

(S. Shukla)
S. Shukla

Verified logs provided.
 Note - 3-75-81
 G.S.K.
 10/01/23