



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow - 226001
Mob. 9918202546 / 9889323322, E mail- aquaxploreko@gmail.com

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

Ref. 206 - L / AX - 2023

Date 06.02.2023

Geophysical Borehole Logging Report

Name of the site : Lohata May Pipra Khurd, Block - Khuniyaon

District : Siddharth Nagar

Date : 06.02.2023

Depth logged : ~~138.0~~ mbgl

Depth drilled : 165.0 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	26.0-36.0	10.0	Good all
2	44.0-48.0	4.0	
3	56.0-60.0	4.0	
4	64.0-72.0	8.0	
5	76.0-84.0	8.0	
6	88.0-106.0	18.0	
7	117.0-127.0	10.0	

Note: All zones are intermixed with fine bands of kankar. Sl. No. 5 is highly kankar intermixed.

*Verified as per
logs provided.
G.S.H.
07/02/23*

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad





Name of District:- **SIDDHARTH NAGAR**
Scheme Name:- **LOHATA MAY PIPRAKHURD**
Name of Activity:- **LOWERING OF TUBEWELL**

Block Name:- **KHUNIYOAN**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
26.12		CLAY	0.6M AGL 6.05 6.03 6.07 6.03 6.06 6.04	200 mm Dia housing pipe to 35.78 M
36.08		MEDIUM SAND	35.78 35.98	200 x150mm reducer from 35.78 M to 35.98 M
44.21		CLAY	6.05	150mm dia plain pipe from 35.98 M to 90.33 M
48.15		MEDIUM SAND	6.05	150mm dia slotted pipe from 90.33 M to 99.35 M
56.19		CLAY	6.04	150mm dia plain pipe from 99.35 M to 117.43 M
60.23		FINE TO MEDIUM SAND	6.05	150mm dia slotted pipe from 117.43 M to 120.44 M
64.11		CLAY	6.03	150mm dia plain pipe from 120.44 M to 126.45 M
72.29		MEDIUM SAND	6.03	150mm dia slotted pipe from M to M
76.09		CLAY	6.04	150mm dia plain pipe from M to M
84.27		FINE TO MEDIUM SAND	6.04	150mm dia slotted pipe from M to M
88.13		CLAY	6.02	150mm dia plain pipe from M to M
106.18		MEDIUM SAND	6.02 3.00	Total Assembly- 126.45 M+AGL 0.5= 126.95 M
117.27		CLAY	6.03 6.03 6.02	ABSTRACT
127.08		MEDIUM SAND	3.01 6.01 0	Date of Lowering-
140M		CLAY		LPM- 110 LPM
				Drilling Depth- 140 M
				Assembly Lowered- 126.95 M
				Housing Pipe- 36.28 M
				Plain Pipe- 78.44 M
				Slotted Pipe- 12.03 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth- 138M
				26-36 = 10M
				44-48 = 4M
				56-60 = 4M
				64-72 = 8M
				76-84 = 8M
				88-106 = 18M
				117-127 = 10M