



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. 701 - MK / AX - 2022

Date 01.07.2022

Geophysical Borehole Logging Report

Name of the site : Madrahana, Block – Khesraha

District : Siddharth Nagar

Date : 01.07.2022

Depth logged : 166.0 mbgl

Depth drilled : 170.0 mbgl – as reported

Logger use : Robertson make

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

J.E. A.K. Maurya, U.P. Jal Nigam

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	22.0–30.0	8.0	Good all
2	36.0–41.0	5.0	
3	55.0–65.0	10.0	
4	70.0–80.0	10.0	
5	124.0–136.0	12.0	
6	162.0–166.0	4.0	

Note. All zones are intermixed with fine bands of kankar.

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

for Aqua Xplore

Verified as per
logs provided.

ASSISTANT GEOPHYSICAL LOGGIST
JAL NIGAM
102/07/22
PRAYAGRAJ

Cover Agreement No. :-

Name of District:-

Scheme Name:- **MADHRANA**

Name of Activity :-

Block Name:- **KHESARAH**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				300 mm Dia housing pipe to 37.60 M
				x150mm reducer from 37.60 M to 37.8 M
22.15		clay	6.41	150mm dia plain pipe from 37.8 M to 70.48 M
		medium sand	6.20	150mm dia slotted pipe from 70.48 M to 79.54 M
30.22		medium sand	6.20	150mm dia plain pipe from 79.54 M to 124.49 M
		clay	6.43	150mm dia slotted pipe from 124.49 M to 135.56 M
36.12		clay	6.43	150mm dia plain pipe from 135.56 M to 142.11 M
		medium sand	6.43	150mm dia slotted pipe from M to M
41.39		medium sand	6.05	150mm dia plain pipe from M to M
		clay	6.11	
55.26		clay	6.05	
		medium sand	6.05	Total Assembly- 141.61 M+AGL 0.5= 142.11 M
65.14		medium sand	2.35	
		clay	6.07	ABSTRACT
70.29		clay	6.06	Date of Lowering- 04/07/22
		medium sand	6.06	LPM- 650
80.16		medium sand	6.21	Drilling Depth- 165.5 M
		clay	6.21	Assembly Lowered- 142.11 M
		clay	6.07	Housing Pipe- 37.6 M + 38.10 M
		clay	6.05	Plain Pipe- 68.3 83.68 M
		clay	6.05	Slotted Pipe- 20.13 M
		clay	6.07	Reducer- 0.2 M
		clay	6.05	
		clay	6.07	LOGGING REPORT
		clay	2.25	Date of Logging- 05/07/22
124.12		medium sand	6.04	Logging Depth- 165
		medium sand	6.07	
136.28		medium sand	5.00	
		medium sand	124.49	
		medium sand	135.56	
		clay	6.05	$22-30 = 8$
		clay	141.61	$36-41 = 5$
		clay	+ 50	$55-65 = 10$
162.14		medium sand		$70-80 = 10$
165.17		medium sand		$124-136 = 12$
				$162-166 = 4$

MEIL
MEIL

TPI
TPI

A.E.
A.E.

A.E.
A.E.

E.E.