



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. 227 - K / AX - 2023

Date 27.02.2023

Geophysical Borehole Logging Report

Name of the site : Kolhui, Block - Khuniyaon

District : Siddharth Nagar

Date : 27.02.2023

Depth logged : 165.0 mbgl

Depth drilled : 175.0 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	20.0--35.0	15.0	Good all
2	39.0--42.0	3.0	
3	50.0--58.0	8.0	
4	72.0--87.0	15.0	
5	90.0--94.0	4.0	
6	99.0--103.0	4.0	
7	114.0--119.0	5.0	
8	122.0--126.0	4.0	
9	132.0--140.0	8.0	
10	145.0--153.0	8.0	
11	157.0--162.0	5.0	

Note. All zones are intermixed with kankar. Sl. Nos. 6 & 9 are highly kankar intermixed. Sl. No. 8 is fine sand.

Verified as per
logs provided.

for Aqua Xplore

Note - Sr Nos 5, 6, 8
and 9 have finer

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

sediments, intermixed
with kankar

G.L.H

20/02/23

Cover Agreement No. :-

Name of District:- **SIDDHARTH NAGAR**

Scheme Name:- **KOLHUI**

Name of Activity:- **LOWERING OF TUBEWELL**

Block Name:- **KHUNIYAON**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.58 M
				200 x150mm reducer from 35.58 M to 35.78 M
20.12		CLAY	6.03 6.62 6.01 5.99 6.02 6.01	150mm dia plain pipe from 35.78 M to 75.84 M
		MEDIUM SAND		150mm dia slotted pipe from 75.84 M to 84.85 M
35.14		CLAY		150mm dia plain pipe from 84.85 M to 114.94 M
39.31		FINE SAND	6.0	150mm dia slotted pipe from 114.94 M to 117.94 M
42.06		CLAY	6.0	150mm dia plain pipe from 117.94 M to 123.95 M
50.19		CLAY	6.01	150mm dia slotted pipe from M to M
58.44		FINE TO MEDIUM	6.01 6.03 6.01	150mm dia plain pipe from M to M
72.32		CLAY	4.0	
		MEDIUM SAND	6.01 3.00	Total Assembly- 123.95 M+AGL 0.5= 124.45 M
87.09		CLAY		ABSTRACT
90.21		MEDIUM SAND	6.01	Date of Lowering-
94.13		CLAY	6.02	LPM- 135
99.37		CLAY	6.01	Drilling Depth- M
103.22		FINE TO MEDIUM	6.02 6.03	Assembly Lowered- 124.45 M
114.21		CLAY		Housing Pipe- 36.08 M
119.35		MEDIUM SAND	3.00	Plain Pipe- 76.16 M
122.17		CLAY		Slotted Pipe- 12.01 M
126.11		MEDIUM SAND		Reducer- 0.20 M
132.32		CLAY		
140.12		FINE TO MEDIUM		LOGGING REPORT
145.31		CLAY		Date of Logging-
153.21		FINE TO MEDIUM		Logging Depth-
157.16		CLAY		20 - 35 = 15
162.39		MEDIUM SAND		39 - 42 = 3.0
165M		CLAY		50 - 58 = 8
				72 - 87 = 15
				90 - 94 = 4
				99 - 103 = 4
				114 - 119 = 5
				122 - 126 = 4
				132 - 140 = 8
				145 - 153 = 8
				157 - 162 = 5



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TPI

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J.E.

सहायक अभियन्ता
खण्ड कार्यालय (वि०/याँ०)
उ० प्र० जल निगम (ग्रामीण)
गोरखपुर