



Aqua Xplore

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

Ref. 222 - K / AX - 2023

Date 22.02.2023

Geophysical Borehole Logging Report

Name of the site : Khairi urf Jugahawa, Block - Barhani

District : Siddharth Nagar

Date : 22.02.2023

Depth logged : 195.0 mbgl

Depth drilled : 205.0 mbgl - as reported

Logged used : Robertson probe

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	38.0—42.0	4.0	Good all
2	52.0—56.0	4.0	
3	63.0—71.0	8.0	
4	80.0—87.0	7.0 = 6M	
5	91.0—105.0	14.0 = 12M	
6	115.0—128.0	13.0 = 6M	
7	131.0—135.0	4.0 = 3M	
8	164.0—168.0	4.0 = 3M	
9	179.0—183.0	4.0	

Note. All zones are intermixed with kankar.

Verified as per logs provided

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

ASH
23/02/23

Cover Agreement No. :-

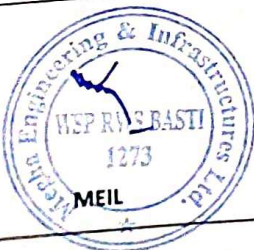
Name of District:- **SIDDHARTH NAGAR**

Block Name:- **BARHANI**

Scheme Name:- **KHAIRI URF JUGHAWA**

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

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5M AGL	300 mm Dia housing pipe to 35.72 M
			6.03	300 x150mm reducer from 35.72 M to 35.92 M
			6.03	150mm dia plain pipe from 35.92 M to 80.56 M
			6.04	150mm dia slotted pipe from 80.56 M to 86.60 M
			6.06	150mm dia plain pipe from 86.60 M to 92.60 M
			6.06	150mm dia slotted pipe from 92.60 M to 104.70 M
			6.00	150mm dia plain pipe from 104.70 M to 116.79 M
			0.2	150mm dia slotted pipe from 116.79 M to 122.85 M
38.09		CLAY	35.72	150mm dia plain pipe from 122.85 M to 131.30 M
42.12		MEDIUM SAND	35.92	150mm dia slotted pipe from 131.30 M to 134.30 M
		CLAY	6.01	150mm dia plain pipe from 134.30 M to 164.54 M
52.24		MEDIUM SAND	6.01	150mm dia slotted pipe from 164.54 M to 167.57 M
56.07		CLAY	6.00	150mm dia plain pipe from 167.57 M to 173.61 M
63.12		MEDIUM SAND	6.04	
		CLAY	6.04	
71.40		FINE TO MEDIUM	6.03	
		CLAY	2.50	
80.12		MEDIUM SAND	6.04	80.56
87.13		CLAY	6.00	86.60
91.22		MEDIUM SAND	6.06	92.60
		CLAY	6.04	
105.13		MEDIUM SAND	6.07	104.70
		CLAY	6.02	
115.06		MEDIUM SAND	6.06	116.79
		CLAY	6.05	
128.12		MEDIUM SAND	2.40	122.85
131.27		CLAY	3.00	131.30
135.08		MEDIUM SAND	6.03	134.30
		CLAY	6.03	
164.14		MEDIUM SAND	6.07	164.54
168.17		CLAY	6.05	167.57
179.13		FINE TO MEDIUM SAND	6.06	173.61
183.09		CLAY		
198				
				Total Assembly- 173.61 M+AGL 0.5= 174.11 M
				ABSTRACT
				Date of Lowering-
				LPM- 850 LPM
				Drilling Depth- M
				Assembly Lowered- 174.11 M
				Housing Pipe- 36.22 M
				Plain Pipe- 107.46 M
				Slotted Pipe- 30.23 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth-
				38-42 = 4
				52-56 = 4
				63-71 = 8
				80-87 = 7
				91-105 = 14
				115-128 = 13
				131-135 = 4
				164-168 = 4
				179-183 = 4



[Signature]
TPI

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

[Signature]
A.E.