



Aqua Xplore

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

Ref. 222 - J / AX - 2023

Date 22.02.2023

Geophysical Borehole Logging Report

Name of the site : Jaajargathia, Block - Bansi

District : Siddharth Nagar

Date : 22.02.2023

Depth logged : 163.0 mbgl

Depth drilled : 173.0 mbgl - as reported

Logged used : 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—32.0	12.0	Good all
2	36.0—42.0	6.0	
3	46.0—57.0	11.0	
4	72.0—80.0	8.0	
5	90.0—95.0	5.0	
6	98.0—103.0	5.0	
7	112.0—123.0	11.0	
8	137.0—147.0	10.0	
9	150.0—154.0	4.0	

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

Verified as per logs provided

[Signature]

for Aqua Xplore

To
M/S Megha Engineering & Infrastructure Limited
Hyderabad

*C.S.H
28/02/23*

Cover Agreement No. :-

Name of District:- **SIDDHARTH NAGAR**

Scheme Name:- **JAAJARGATHIA**

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

Block Name:- **BANSI**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5M AGL	200 mm Dia housing pipe to 35.59 M
			6.01	200 x150mm reducer from 35.59 M to 35.79 M
20.13		CLAY	6.01	150mm dia plain pipe from 35.79 M to 73.0 M
		MEDIUM SAND	6.02	150mm dia slotted pipe from 73.0 M to 79.01 M
32.20		MEDIUM SAND	6.02	150mm dia plain pipe from 79.01 M to 115.10 M
		CLAY	6.02	150mm dia slotted pipe from 115.10 M to 121.11 M
36.13		CLAY	35.59	150mm dia plain pipe from 121.11 M to 138.27 M
		FINE TO MEDIUM SAND	35.79	150mm dia slotted pipe from 138.27 M to 144.28 M
42.13		FINE TO MEDIUM SAND	6.02	150mm dia plain pipe from 144.28 M to 150.30 M
		CLAY	6.04	150mm dia slotted pipe from M to M
46.21		CLAY	6.05	150mm dia plain pipe from M to M
		MEDIUM SAND	6.05	150mm dia slotted pipe from M to M
57.11		MEDIUM SAND	6.05	150mm dia plain pipe from M to M
		CLAY	4.0	
72.21		CLAY	3.0	
		MEDIUM SAND	6.01	Total Assembly- 150.30 M+AGL 0.5= 150.80 M
80.11		MEDIUM SAND	6.01	ABSTRACT
		CLAY	6.02	Date of Lowering-
90.22		CLAY	6.02	LPM- 550 LPM
		MEDIUM SAND	6.02	Drilling Depth- M
95.13		MEDIUM SAND	6.02	Assembly Lowered- 150.80 M
		CLAY	6.01	Housing Pipe- 36.09 M
98.21		CLAY	6.01	Plain Pipe- 96.48 M
		FINE TO MEDIUM SAND	6.01	Slotted Pipe- 18.03 M
103.44		FINE TO MEDIUM SAND	6.01	Reducer- 0.20 M
		CLAY	6.01	
112.12		CLAY	6.01	
		MEDIUM SAND	6.01	
123.31		MEDIUM SAND	6.01	
		CLAY	6.04	
137.03		CLAY	3.01	
		MEDIUM SAND	6.02	
147.13		MEDIUM SAND	2.09	20-32 = 12
		MEDIUM SAND	6.01	36-42 = 6
150.21		MEDIUM SAND	6.01	46-57 = 11
		CLAY	6.02	72-80 = 8
154.41		CLAY	6.02	90-95 = 5
		FINE SAND	6.02	98-103 = 5
165M		CLAY	6.02	112-123 = 11
				137-147 = 10
				150-154 = 4



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J.E.

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