



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 227 - A / AX - 2023

Date 27.02.2023

Geophysical Borehole Logging Report

Name of the site : Arrai, Block - Badhani

District : Siddharth Nagar

Date : 27.02.2023

Depth logged : 188.0 mbgl

Depth drilled : 206.0 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	26.0-30.0	4.0	Good all
2	46.0-50.0	4.0	
3	71.0-78.0	7.0	
4	82.0-90.0	8.0	
5	102.0-106.0	4.0	
6	116.0-124.0	8.0	
7	137.0-144.0	7.0	
8	150.0-154.0	4.0	
9	168.0-172.0	4.0	

Note. All zones are intermixed with kankar. Sl. Nos. 8 & 9 are highly kankar intermixed.

Verified as per logs provided.

Note - Sr No 5, 8 and 9 have fewer sediments intermixed with kankar

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

for Aqua Xplore

G.S.H
20/09/23



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

PROPOSED STRATA CHART



Har Ghar Jal Jal Jeevan Mission

Cover Agreement No. :-

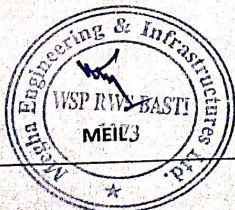
Name of District:- **SIDDHARTH NAGAR**

Scheme Name:- **ARRAI**

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

Block Name:- **BADHANI**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5M AGL	200 mm Dia housing pipe to 35.54 M
			6.0	200 x150mm reducer from 35.54 M to 35.74 M
			6.0	150mm dia plain pipe from 35.74 M to 83.47 M
			6.0	150mm dia slotted pipe from 83.47 M to 89.48 M
			6.01	150mm dia plain pipe from 89.48 M to 116.56 M
			6.01	150mm dia slotted pipe from 116.56 M to 122.58 M
			6.02	150mm dia plain pipe from 122.58 M to 137.60 M
26.12		CLAY		150mm dia slotted pipe from 137.60 M to 143.59 M
30.09		MEDIUM SAND	0.2	150mm dia plain pipe from 143.59 M to 149.59 M
			35.54	
			35.74	
		CLAY	6.0	150mm dia slotted pipe from M to M
			6.03	150mm dia plain pipe from M to M
			6.02	150mm dia slotted pipe from M to M
46.14		MEDIUM SAND	6.02	150mm dia plain pipe from M to M
50.21		CLAY	4.10	
			6.01	
			6.03	
		CLAY	1.50	
			6.02	
71.41		FINE TO MEDIUM		Total Assembly- 149.59 M+AGL 0.5= 150.09 M
78.08		CLAY		ABSTRACT
82.12		MEDIUM SAND	6.01	Date of Lowering-
90.04		CLAY	6.01	LPM- 600 LPM
			6.04	Drilling Depth- M
102.41		FINE SAND	6.01	Assembly Lowered- 150.09 M
106.13		CLAY	6.02	Housing Pipe- 36.04 M
			3.00	Plain Pipe- 95.83 M
116.27		MEDIUM SAND		Slotted Pipe- 18.02 M
124.13		CLAY		Reducer- 0.20 M
				LOGGING REPORT
137.12		MEDIUM SAND	5.99	Date of Logging-
144.19		CLAY		Logging Depth-
150.13		FINE SAND		26-30 = 4
154.18		CLAY		46-50 = 4
				71-78 = 7
168.42		MEDIUM SAND		82-90 = 8
172.13		CLAY		102-106 = 4
188M		CLAY		116-124 = 8
				137-144 = 7
				150-154 = 4
				168-172 = 4



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