



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 524 - K / AX - 2022

Date 24.05.2022

Geophysical Borehole Logging Report

Name of the site : Kharikawa, Block – Itwa

District : Siddharth Nagar

Date : 24.05.2022

Depth logged : 150.0 ~~mbgl~~

Depth drilled : 165.0 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 & Mubaraq Hussain, T.P.I

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---36.0	10.0	Good all
2	43.0---48.0	5.0	
3	50.0---58.0	8.0	
4	70.0---90.0	20.0	
5	104.0---108.0	4.0	
6	120.0---127.0	7.0	
7	140.0---148.0	8.0	

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

Verified as per
logs provided.
G.K.
25/5/22
To

for Aqua Xplore

M/S Megha Engineering & Infrastructure Limited
Hyderabad



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

STRATA CHART



Har Ghar Jal Jal Jeevan Mission

Cover Agreement No. :-

Name of District:- Siddharthnagar

Block Name:- Itwa

Scheme Name:- Kharikawa

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.5	200 mm Dia housing pipe to 35.66 M
			6.04	200 x150mm reducer from 35.66 M to 35.86 M
			6.03	150mm dia plain pipe from 35.86 M to 78.13 M
			6.03	150mm dia slotted pipe from 78.13 M to 87.18 M
			6.05	150mm dia plain pipe from 87.18 M to 121.32 M
			6.00	150mm dia slotted pipe from 121.32 M to 124.19 M
			6.01	150mm dia plain pipe from 124.19 M to 130.23 M
26.0	CLAY		6.01	150mm dia slotted pipe from M to M
36.0	Medium Sand	35.66	6.07	150mm dia plain pipe from M to M
43.0	CLAY	35.86	6.06	
48.0	Medium Sand		6.04	
50.0	CLAY		6.03	
58.0	Medium Sand		6.03	
70.0	CLAY		6.03	
	Medium Sand		6.03	
		78.13	6.05	
90.0			3.00	
		87.18	6.03	
104.0	CLAY		6.03	
108.0	Medium Sand		6.02	
120.0	CLAY		6.02	
			4.00	
127.0	Medium Sand	121.32	2.87	
		124.19	6.04	
140.0	CLAY	130.23		
148.0	Medium Sand			
150.0	CLAY			
165.0	Sandy clay			
				ASSEMBLY DETAILS
				Total Assembly-130.23 M+AGL 0.5=130.73M
				ABSTRACT
				Date of Lowering- 05-09-2022
				LPM- 300 LPM
				Drilling Depth- 165 M
				Assembly Lowered-130.73M
				Housing Pipe- 36.66 M
				Plain Pipe- 82.45 M
				Slotted Pipe- 11.92 M
				Reducer- 0.2 M
				LOGGING REPORT
				Date of Logging- 04-09-2022
				Logging Depth- 150.0
				26.0 - 36.0 = 10.0
				43.0 - 48.0 = 5.0
				50.0 - 58.0 = 8.0
				70.0 - 90.0 = 20.0
				104.0 - 108.0 = 4.0
				120.0 - 127.0 = 7.0
				140.0 - 148.0 = 8.0



TPI

J.E.

A.E.

E.E.