



Aqua Xplore

(Groundwater Assessment & Allied Services)

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

Ref. 323 - BN / AX - 2023

Date 23.03.2023

Geophysical Borehole Logging Report

Name of the site : Bhagwanpur T/W-2, Block – Naugarh

District : Siddharth Nagar

Date : 23.03.2023

Depth logged : 167.0 mbgl

Depth drilled : 200.0 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	28.0–32.0	4.0	Good all
2	34.0–38.0	4.0	
3	46.0–50.0	4.0	
4	59.0–66.0	7.0 - 6	
5	73.0–77.0	4.0	
6	85.0–89.0	4.0	
7	106.0–110.0	4.0 - 3	
8	112.0–116.0	4.0 - 3	
9	134.0–138.0	4.0	
10	140.0–144.0	4.0	
11	147.0–154.0	7.0 - 6	
12	158.0–162.0	4.0	

Note: All zones are intermixed with kankar. Sl. Nos. 5 to 12 are highly kankar intermixed.

Verified as per logs provided.

Note: Sl Nos 5 to 12

for Aqua Xplore

To

M/S Megha Engineering & Infrastructure Limited
Hyderabad

have finer sediment and are highly kankar intermixed.

G.S.H
24/03/23

Cover Agreement No. :-

Name of District:- SIDDHARTH NAGAR

Scheme Name:- BHAGWANPUR TIW 2

Block Name:- NAUGHARH

Name of Activity :- LOWERING OF TUBEWELL

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5 M AGL	200 mm Dia housing pipe to 35.57 M
				200 x 150mm reducer from 35.57 M to 35.77 M
				150mm dia plain pipe from 35.77 M to 59.63 M
				150mm dia slotted pipe from 59.63 M to 65.65 M
				150mm dia plain pipe from 65.65 M to 106.72 M
				150mm dia slotted pipe from 106.72 M to 109.74 M
				150mm dia plain pipe from 109.74 M to 112.74 M
				150mm dia slotted pipe from 112.74 M to 115.74 M
				150mm dia plain pipe from 115.74 M to 147.77 M
				150mm dia slotted pipe from 147.77 M to 153.78 M
				150mm dia plain pipe from 153.78 M to 156.79 M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				Total Assembly- 156.79 M+AGL 0.5= 157.29 M
				ABSTRACT
				Date of Lowering-
				LPM-
				Drilling Depth- M
				Assembly Lowered- 157.29 M
				Housing Pipe- 36.07 M
				Plain Pipe- 102.97 M
				Slotted Pipe- 18.05 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth-
				28-32 = 4
				34-38 = 4
				46-50 = 4
				59-66 = 7
				73-77 = 4
				85-89 = 4
				106-110 = 4
				112-116 = 4
				134-138 = 4
				140-144 = 4
				147-154 = 7
				158-162 = 4



TPI

J.E.

A.E.

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

Sales & Service Dealer : Upton Borehole logging system, UPTON INDIA LTD., LUCKNOW

Ref:GIT:UP: PJM:22-23:LS:1K- 559

Dated: 20-02-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Bhagwanpur-1
Block: Birdpur
District: Siddarth Nagar
State: Uttar Pradesh
Drilling Depth: 204.0 m bgl
Logging Depth: 185.0m bgl
Date of logging: 19-02-2023
Rm - 26.0 Ω m Rw - 21.0 Ω m

Borehole Drilled by: M/s Megha Engineering & Infrastructure Ltd.
Siddarth Nagar, U.P. India.

Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral (6") geophysical logs following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	27 - 34	07	Good
2.	59 - 66	07 = 0	Good
3.	86 - 90	04 3	Good
4.	112 - 116	04 = 3	Good
5.	120 - 126	06 = 6	Good
6.	144 - 150	06 = 6	Good
7.	152 - 156	04 = 3	Good
8.	166 - 170	04	Good
9.	176 - 185	09	Good

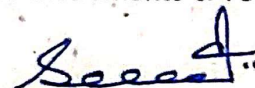
Note: 1. Fine bands of kankar are intermixed with almost all the Zones.

2. Zone Sl. No. 3 is highly kankar Intermixed.

Verified as per logs provided

G.Sh
21/02/23

For Geo Instruments & Technic's


(S. Shukla)

Cover Agreement No.:-

Name of District:- **SIDDHARTH NAGAR**

Scheme Name:- **BHAGWANPUR**

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

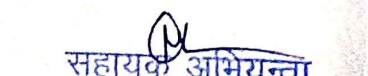
Block Name:- **BIRD PUR**

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5M AGL	200 mm Dia housing pipe to 35.57 M
				200 x 150mm reducer from 35.57 M to 35.77 M
				150mm dia plain pipe from 35.77 M to 112.56 M
				150mm dia slotted pipe from 112.56 M to 115.56 M
				150mm dia plain pipe from 115.56 M to 120.0 M
				150mm dia slotted pipe from 120.0 M to 126.01 M
				150mm dia plain pipe from 126.01 M to 144.01 M
				150mm dia slotted pipe from 144.01 M to 150.0 M
				150mm dia plain pipe from 150.0 M to 162.50 M
				150mm dia slotted pipe from 152.50 M to 155.52 M
				150mm dia plain pipe from 155.52 M to 161.55 M
				150mm dia slotted pipe from M to M
				150mm dia plain pipe from M to M
				Total Assembly- 161.55 M+AGL 0.5= 162.05 M
				ABSTRACT
				Date of Lowering-
				LPM- 600 LPM
				Drilling Depth- M
				Assembly Lowered- 162.05 M
				Housing Pipe- 36.07 M
				Plain Pipe- 107.76 M
				Slotted Pipe- 18.02 M
				Reducer- 0.20 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth-
				27-34 = 7
				59-66 = 7
				86-90 = 4
				112-116 = 4
				120-126 = 6
				144-150 = 6
				152-156 = 4
				166-170 = 4
				176-185 = 9




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J.E.


सहायक अभियन्ता
खण्ड कार्यालय (वि०/यॉ०)
उ० प्र० जल निगम (ग्रामीण)