

GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: 164
Dated: 16-04-2023

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Madukarpur**
Block: **Bhanwapur**
District: **Siddharth Nagar**
State: **Uttar Pradesh**
Drilling Depth: **180.0 m bgl**
Logging Depth: **166.0 m bgl**
Date of logging: **15-04-2023**
Rm - **16.0 Om** Rw - **21.0 Om**

Borehole Drilled by: M/s Megha Engineering & Infrastructure Ltd.
Siddharth nagar, Uttar Pradesh.

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.	20 - 24	04	Good
2.	25 - 34	09	Good
3.	46 - 50	04	Good
4.	53 - 60	07	Good
5.	67 - 71	04	Good
6.	75 - 82	07	Good
7.	101 - 105	04	Good
8.	120 - 127	07	Good
9.	140 - 144	04	Good
10.	151 - 158	07	Good

Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zones Sl. No. 2, 6, 9 & 10 are highly intermixed with thin bands of Kankar.

Verified as per logs provided.

*G.Sh
18/04/23*

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)



MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1278 (SIDDHARTH NAGAR)



STRATA CHART

Cover Agreement No. :- Siddharth Nagar

Block Name:- Bhanwapur

Name of District:-

Scheme Name:- Madhukarapur

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly
			+ 0.5
20.0		CLAY	6.01
24.0		M.S.	6.00
25.0		CLAY	6.00
34.0		M.S.	6.02
		CLAY	6.00
41.57		CLAY	6.02
46.0		M.S.	6.01
50.0		CLAY	6.00
53.0		M.S.	1.65
60.0		CLAY	5.01
67.0		M.S.	3.00
71.0		CLAY	5.00
75.0		M.S.	6.01
82.0		CLAY	6.00
		CLAY	6.03
101.0		M.S.	2.00
		CLAY	6.00
105.0		M.S.	3.02
		CLAY	6.00
120.0		M.S.	6.02
		CLAY	4.00
127.0		M.S.	6.00
		CLAY	6.02
140.0		M.S.	0
144.0		CLAY	
151.0		M.S.	
158.0		CLAY	

ASSEMBLY DETAILS	
300 mm Dia housing pipe to	41.57 M
300 x 150mm reducer from	41.57 M to 41.77 M
150mm dia plain pipe from	41.77 M to 67.44 M
150mm dia slotted pipe from	67.44 M to 70.44 M
150mm dia plain pipe from	70.44 M to 75.44 M
150mm dia slotted pipe from	75.44 M to 81.45 M
150mm dia plain pipe from	81.45 M to 101.48 M
150mm dia slotted pipe from	101.48 M to 104.50 M
150mm dia plain pipe from	104.50 M to 120.52 M
	120.52 M to 126.52 M
	126.52 M to 132.54 M
Total Assembly- 132.54 M + AGL 0.5 = 133.04 M	

ABSTRACT	
Date of Lowering-	21/4/23
LPM-	600
Drilling Depth-	130 M
Assembly Lowered-	133.04 M
Housing Pipe-	42.07 M
Plain Pipe-	72.74 M
Slotted Pipe-	18.03 M
Reducer-	0.20 M

LOGGING REPORT	
Date of Logging-	16-04-23
Logging Depth-	165
	20-24 = 04
	25-34 = 09
	46-50 = 04
	53-60 = 07
	67-71 = 04
	75-82 = 07
	101-105 = 04
	120-127 = 07
	140-144 = 04
	151-158 = 07



TPI signature

AKM J.E.

A.E. signature

E.E.