

# GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:23-24:LS: **289**  
Dated: 27-04-2023

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sikata**  
Block: **Bhanwapur**  
District: **Siddharth Nagar**  
State: **Uttar Pradesh**  
Drilling Depth: **170.0 m bgl**  
Logging Depth: **161.0 m bgl**  
Date of logging: **26-04-2023**  
Rm – **11.0 Om** Rw – **14.0 Om**

Borehole Drilled by: M/s **Megha Engineering, Siddharth Nagar U.P**

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)
<del>1.</del>	<del>25 – 29</del>	<del>04</del>	<del>Good</del>
<del>2.</del>	<del>32 – 35</del>	<del>03</del>	<del>Good</del>
<del>3.</del>	<del>38 – 42</del>	<del>04</del>	<del>Good</del>
<del>4.</del>	<del>46 – 56</del>	<del>10</del>	<del>Good</del>
<del>5.</del>	<del>64 – 68</del>	<del>04</del>	<del>Good</del>
<del>6.</del>	<del>81 – 85</del>	<del>04</del>	<del>Good</del>
<del>7.</del>	<del>89 – 93</del>	<del>04</del>	<del>Good</del>
<del>8.</del>	<del>106 – 110</del>	<del>04</del>	<del>Good</del>
<del>9.</del>	<del>115 – 125</del>	<del>10</del>	<del>Good</del>
<del>10.</del>	<del>128 – 132</del>	<del>04</del>	<del>Good</del>
<del>11.</del>	<del>144 – 148</del>	<del>04</del>	<del>Good</del>

Note: **1. Fine bands of kankar are intermixed with almost all the zones.**  
**2. Zones Sl. No.7 & 11 are highly intermixed with fine bands of kankar.**

*Verified as per logs provided*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*G. S. S. S.*  
*28/04/23*

Cover Agreement No. :-

Name of District:-

Siddharth Nagar

Block Name:-

Bhanwapur

Scheme Name:-

Sikta WSS

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.5	200 mm Dia housing pipe to 0.35.53M
			0.20	200 x150mm reducer from 35.53 M to 35.73 M
25.0		CLAY	6.01	150mm dia plain pipe from 35.73 M to 81.51 M
29.0	M.S.	CLAY	6.00	150mm dia slotted pipe from 81.51 M to 84.51 M
32.0	M.S.	CLAY	6.00	150mm dia plain pipe from 84.51 M to 89.51 M
35.0	M.S.	CLAY	6.01	150mm dia slotted pipe from 89.51 M to 92.51 M
38.0	M.S.	CLAY	6.00	150mm dia plain pipe from 92.51 M to 106.53 M
42.0	M.S.	CLAY	6.00	150mm dia slotted pipe from 106.53 M to 109.53 M
46.0	M.S.	CLAY	6.00	150mm dia plain pipe from 109.53 M to 115.53 M
56.0	M.S.	CLAY	6.01	115.53 M to 124.55 M
64.0	M.S.	CLAY	6.00	124.55 M to 130.56 M
68.0	M.S.	CLAY	6.01	Total Assembly- 130.56 M+AGL 0.5=131.06 M
81.0	M.S.	CLAY	6.00	
85.0	M.S.	CLAY	3.75	ABSTRACT
89.0	M.S.	CLAY	3.00	Date of Lowering- 02/15/23
93.0	M.S.	CLAY	5.00	LPM- 500
106.0	M.S.	CLAY	3.00	Drilling Depth- 165 M
110.0	M.S.	CLAY	6.01	Assembly Lowered- 131.06 M
115.0	M.S.	CLAY	2.00	Housing Pipe- 36.03 M
125.0	M.S.	CLAY	6.01	Plain Pipe- 76.81 M
128.0	M.S.	CLAY	3.00	Slotted Pipe- 18.02 M
132.0	M.S.	CLAY	6.00	Reducer- 0.20 M
144.0	M.S.	CLAY	6.01	LOGGING REPORT
148.0	M.S.	CLAY	3.01	Date of Logging- 26-04-2023
			6.01	Logging Depth- 165 M
			0	25-29 = 04
				32-35 = 03
				38-42 = 04
				46-56 = 10
				64-68 = 04
				81-85 = 04
				89-93 = 04
				106-110 = 04
				115-125 = 10
				128-132 = 04
				144-148 = 04



TPI

Akm  
J.E.

A  
A.E.

E.E.