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GEO INSTRUMENTS & TECHNIC'S

(A Division of Geophysical Exploration and Instrumentation)

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

Ref:GIT:UP: PJM:22-23:LS: 771

Dated: 24-11-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Ramtikra
 Block: Bansi
 District: Siddarth Nagar
 State: Uttar Pradesh
 Drilling Depth: 165.0 m bgl
 Logging Depth: 165.0 m bgl
 Date of logging: 24-11-2022
 Rm - 18.0 Ω m Rw - 25.0 Ω m

Borehole Drilled by: MEIL, Siddarth 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.	25 - 35	10	Good
2.	40 - 43	03	Good
3.	55 - 59	04	Good
4.	65 - 70	05	Good
5.	83 - 87	04	Good
6.	90 - 96	06	Good
7.	119 - 126	07	Good
(8.)	131 - 135	04	Good
9.	140 - 150	10	Good
10.	155 - 158	03	Good

Note: ~~1.~~ Fine bands of Kankar are intermixed with Zones Sl. No. 5, 6 and 9.

Verified as per logs provided.
 Note - Sr No 7 may consider as 120 - 126 (6m) and Sr No 8 have fewer sediments.

For Geo Instruments & Technic's

S. Shukla
 (S. Shukla)

ASSISTANT GEOLOGIST
 CHD-5/11/22
 U.P. GEOL. SURV. (RURAL)

Cover Agreement No. :-

Name of District:- **SIDDHARTH NAGAR**

Block Name:- **BANSI**

Scheme Name:- **RAMTIKRA**

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

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			0.5 AGL	200 mm Dia housing pipe to 35.68 M
			6.00	200 x150mm reducer from 35.68 M to 35.88 M
			6.01	150mm dia plain pipe from 35.88 M to 90.59 M
			6.03	150mm dia slotted pipe from 90.59 M to 95.59 M
			6.03	150mm dia plain pipe from 95.59 M to 119.61 M
			6.06	150mm dia slotted pipe from 119.61 M to 125.64 M
			6.05	150mm dia plain pipe from 125.64 M to 143.15 M
25.11		CLAY	35.68	150mm dia slotted pipe from 143.15 M to 149.15 M
		MEDIUM SAND	35.88	150mm dia plain pipe from 149.15 M to 153.45 M
35.06		CLAY	6.03	150mm dia slotted pipe from M to M
40.07		FINE SAND	6.03	150mm dia plain pipe from M to M
43.12		CLAY	6.03	150mm dia slotted pipe from M to M
		FINE SAND	6.02	150mm dia plain pipe from M to M
55.03		CLAY	6.02	
59.15		FINE SAND	6.02	
		CLAY	6.02	Total Assembly- 153.45 M+AGL 0.5= 153.95 M
65.04		MEDIUM TO FINE SAND	6.02	
70.11		CLAY	6.02	
		FINE SAND	4.00	
83.13		CLAY	2.51	
87.06		MEDIUM SAND		
90.16		MEDIUM SAND	5.00	90.59
96.04		CLAY	6.01	95.59
		MEDIUM SAND	6.01	
		CLAY	6.00	
		MEDIUM SAND	6.00	
119.05		MEDIUM SAND	6.03	119.61
126.09		MEDIUM SAND	6.00	125.64
131.11		MEDIUM SAND	2.01	
135.04		MEDIUM SAND	6.00	
140.08		MEDIUM SAND	3.50	143.15
150.15		CLAY	6.00	149.15
155.08		FINE SAND	4.30	153.45
155.13		CLAY		
165				

ASSEMBLY DETAILS	
200 mm Dia housing pipe to	35.68 M
200 x150mm reducer from	35.68 M to 35.88 M
150mm dia plain pipe from	35.88 M to 90.59 M
150mm dia slotted pipe from	90.59 M to 95.59 M
150mm dia plain pipe from	95.59 M to 119.61 M
150mm dia slotted pipe from	119.61 M to 125.64 M
150mm dia plain pipe from	125.64 M to 143.15 M
150mm dia slotted pipe from	143.15 M to 149.15 M
150mm dia plain pipe from	149.15 M to 153.45 M
150mm dia slotted pipe from	M to M
150mm dia plain pipe from	M to M
150mm dia slotted pipe from	M to M
150mm dia plain pipe from	M to M
Total Assembly- 153.45 M+AGL 0.5= 153.95 M	

ABSTRACT	
Date of Lowering-	
LPM-	
Drilling Depth-	M
Assembly Lowered-	153.95 M
Housing Pipe-	36.18 M
Plain Pipe-	100.54 M
Slotted Pipe-	17.03 M
Reducer-	0.20 M

LOGGING REPORT	
Date of Logging-	
Logging Depth-	165
25-35 =	10
40-43 =	03
55-59 =	04
65-70 =	05
83-87 =	04
90-96 =	06
119-126 =	07
131-135 =	04
140-150 =	10
155-158 =	03



TPI

AM
J.E.

रु. **मिथाना**
ख. **अ.ए. नगर (वि/याँ)**
ग. **गाम (ग्रामीण)**