

# 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:22-23:LS: 450

Dated: 16-12-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Narahi Bujurg  
Block: Mithwal  
District: Siddarth Nager  
State: Uttar Pradesh  
Drilling Depth: 173.0 m bgl  
Logging Depth: 169.0 m bgl *165-550 mm 32.49 - 47.31*  
Date of logging: 16-12-2022  
Rm ~~35.0~~ Ωm R<sub>w</sub> ~~45.0~~ Ωm

Borehole Drilled by: M/s MEIL, Siddarth Nager, 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)
<del>1.</del>	20 - 25	05	Good
<del>2.</del>	57 - 72	15	Good
<del>3.</del>	80 - 86	06	Good
<del>4.</del>	90 - 96	06	Good
<del>5.</del>	121 - 125	04	Good
<del>6.</del>	137 - 141	04	Good
<del>7.</del>	165 - 169	04	Good

Note: ~~1.~~ Fine bands of Kankar are intermixed with almost all the Zones.  
~~2.~~ Zone Sl. No. 6 and 7 are Fine Sand in nature.

*Verified as per logs provided.*

*G.R.  
16/12/22*

For Geo Instruments & Technic's

*S. Shukla*  
(S. Shukla)

*13/12/22*



Agreement No. :-

Name of District:- **SIDDARTH NAGAR,**  
Scheme Name:- **NARAHU BUJURG.**

Block Name:- **MITHWAL**

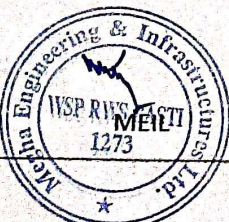
Name of Activity :- **LOWERING OF TUBEWELL ASSEMBLY**

Depth B.G.L. Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				200 mm Dia housing pipe to 35.52 M
				200 x150mm reducer from 35.52 M to 35.72 M
20.13		CLAY	6.00	150mm dia plain pipe from 35.72 M to 62.27 M
25.06		FINE SAND	6.00	150mm dia slotted pipe from 62.27 M to 71.29 M
			6.00	150mm dia plain pipe from 71.29 M to 82.31 M
			6.01	150mm dia slotted pipe from 82.31 M to 85.33 M
			6.01	150mm dia plain pipe from 85.33 M to 91.36 M
		CLAY	6.00	150mm dia slotted pipe from 91.36 M to 94.39 M
			6.00	150mm dia plain pipe from 94.39 M to 121.58 M
			6.02	150mm dia slotted - 121.58m to 124.58m
			6.03	150mm dia plain - 124.58m to 130.58m
57.14		MEDIUM SAND	2.50	Total Assembly- 130.58 M+AGL 0.5= 131.08 M
			6.02	
			3.00	
72.03		CLAY	6.02	
			5.00	
80.06		MEDIUM SAND	3.02	
			6.03	
86.08		MEDIUM SAND	3.03	
			6.00	
90.11		MEDIUM SAND	6.00	
			6.00	
96.16		CLAY	6.00	
			6.00	
			6.00	
			5.99	
			3.20	
121.11		MEDIUM SAND	3.00	
			6.00	
125.05		CLAY	7	
137.07		FINE SAND		
141.13		CLAY		
165.05		FINE SAND		
169		CLAY		

ABSTRACT	
Date of Lowering-	
LPM-	
Drilling Depth-	M
Assembly Lowered-	131.08 M
Housing Pipe-	36.02 M
Plain Pipe-	76.79 M
Slotted Pipe-	18.07 M
Reducer-	0.20 M

LOGGING REPORT	
Date of Logging-	
Logging Depth-	
20 - 25 =	5
57 - 72 =	15
80 - 86 =	6
90 - 96 =	6
121 - 125 =	4
137 - 141 =	4
165 - 169 =	4



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J.E.

सहायक अभियन्ता  
खण्ड कार्यालय (वि/याँ) 0  
उ० प्र० जल नियम (ग्रामीण)  
गोरखपुर

E.E.