

# 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:21-22:LS: 852  
 Dated: 06-12-2022

## GEOPHYSICAL BOREHOLE LOGGING REPORT

13/12/2022

Site: Mithwal Buzurg  
 Block: Mithwal  
 District: Siddharth Nagar  
 State: Uttar Pradesh  
 Drilling Depth: 170.0 m bgl  
 Logging Depth: 167.0 m bgl - 165m 46.35 46.35  
 Date of logging: 06-12-2022  
 Rm - 30.0 Ωm Rw - 42.0 Ωm

Borehole Drilled by: M/s 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 - 32	07	Good
2.	43 - 50	07	Good
3.	55 - 67	12	Good
4.	85 - 91	06	Good
5.	99 - 105	06	Good
6.	117 - 124	07	Good
7.	134 - 137	03	Good
8.	140 - 146	06	Good
9.	153 - 156	03	Good
10.	159 - 163	04	Good

Note: 1. Fine bands of Kankar are intermixed with zones Sl. No. 1 to 3 and Sl. No. 7 to 10.

2. Zone Sl. No. 3 is highly intermixed with thin bands of Kankar.

Verified as per logs provided.  
 Note - Sr No 8 - 140  
 - 145 (5m)  
 G. Sh  
 07/12/22

For Geo Instruments & Technic's

*S. Shukla*  
 (S. Shukla)





Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

STRATA CHART



Har Ghar Jal Jal Jeevan Mission

Agreement No. :-

Name of District:- **SIDDARTH NAGAR**

Block Name:- **MITHWAL**

Scheme Name:- **MITHWAL BUZURG**

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

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				300 mm Dia housing pipe to 35.55 M
				300 x150mm reducer from 35.55 M to 35.75 M
				150mm dia plain pipe from 35.75 M to 56.76 M
				150mm dia slotted pipe from 56.76 M to 65.78 M
				150mm dia plain pipe from 65.78 M to 85.50 M
				150mm dia slotted pipe from 85.50 M to 90.50 M
				150mm dia plain pipe from 90.50 M to 117.53 M
				150mm dia slotted pipe from 117.53 M to 123.54 M
				150mm dia plain pipe from 123.54 M to 141.55 M
				150mm dia slotted - 141.55m to 144.55m
				150mm dia plain - 144.55m to 149.55m
				Total Assembly- 149.55 M+AGL 0.5=150.05 M
				<b>ABSTRACT</b>
				Date of Lowering-
				LPM-
				Drilling Depth- M
				Assembly Lowered- 150.05 M
				Housing Pipe- 36.05 M
				Plain Pipe- 90.77 M
				Slotted Pipe- 23.03 M
				Reducer- 0.20 M
				<b>LOGGING REPORT</b>
				Date of Logging-
				Logging Depth-
				25 - 32 = 07
				43 - 50 = 07
				55 - 67 = 12
				85 - 91 = 06
				99 - 105 = 06
				117 - 124 = 07
				134 - 139 = 05
				140 - 146 = 06
				153 - 156 = 03
				159 - 163 = 04



TPI

J.E.

सहायक अभियन्ता  
खण्ड कार्यलय (वि/याँ०)  
उ० प्र० जल निगम (ग्रामीण)  
गोरखपुर

E.E.