

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:22-23:LS: 491

Dated: 24-08-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sonkhar**
Block: **Dumariyaganj**
District: **Siddharth Nager**
State: **Uttar Pradesh**
Drilling Depth: **165.0 m bgl**
Logging Depth: **146.0 m bgl**
Date of logging: **23-08-2022**
Rm - **25.0 Ω m** Rw - **29.0 Ω m**

Borehole Drilled by: **MEIL, Siddharth 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)
1.	29 - 38	09	Good
2.	45 - 49	04	Good
3.	51 - 55	04	Good
4.	59 - 69	10	Good
5.	76 - 86	10	Good
6.	100 - 113	13	Good
7.	117 - 125	08	Good
8.	138 - 145	07	Good

Note: **Fine bands of Kankar are intermixed with almost all the Zones.**

Verified as per logs provided.

S. Shukla
ASSISTANT HYDROGEOLOGIST
CIRCLE OFFICE (E/M)
U.P. STATE RURAL
PRAYAGRAJ

For Geo Instruments & Technic's

S. Shukla
(S. Shukla)



Megha Engineering & Infrastructures Limited

MEGHA ENGINEERING & INFRASTRUCTURES LIMITED

WSP RWS BASTI-1273 (SIDDHARTH NAGAR)

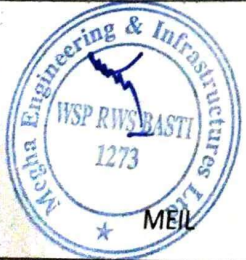
STRATA CHART



Cover Agreement No. :-
Name of District:- Siddharthnagar
Scheme Name:- Sonkhar
Name of Activity :-

Block Name:- Dumariyaganj

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
			+0.5	200 mm Dia housing pipe to 35.58 M
			6.02	200 x150mm reducer from 35.58 M to 35.78 M
			6.00	150mm dia plain pipe from 35.78 M to 76.51 M
			6.00	150mm dia slotted pipe from 76.51 M to 82.52 M
			6.02	150mm dia plain pipe from 82.52 M to 117.98 M
			6.02	150mm dia slotted pipe from 117.98 M to 124.0 M
			6.02	150mm dia plain pipe from 124.0 M to 130.03 M
			6.02	150mm dia slotted pipe from M to M
			6.02	150mm dia plain pipe from M to M
				Total Assembly- 130.03 M+AGL 0.5= 130.53M
				ABSTRACT
				Date of Lowering- 22-02-023
				LPM- 350 LPM
				Drilling Depth- 154 M
				Assembly Lowered- 130.53 M
				Housing Pipe- 36.08 M
				Plain Pipe- 82.22 M
				Slotted Pipe- 12.03 M
				Reducer- 0.2 M
				LOGGING REPORT
				Date of Logging-
				Logging Depth- 146m
				29 - 38 = 9
				45 - 49 = 4
				51 - 55 = 4
				59 - 69 = 10
				76 - 86 = 10
				100 - 113 = 13
				117 - 125 = 8
				138 - 145 = 7



TPI

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