

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: 767

Dated: 24-11-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Sonaull Nankar**
Block: **Khuniyaon**
District: **Siddarth Nager**
State: **Uttar Pradesh**
Drilling Depth: **170.0 m bgl**
Logging Depth: **168.0 m bgl**
Date of logging: **24-11-2022**
Rm - **13.0 Ωm** Rw - **11.0 Ωm**

Borehole Drilled by: **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)
1.	29 - 38	09	Good
2.	42 - 45	03	Good
3.	57 - 64	07	Good
4.	70 - 74	04	Good
5.	83 - 87	04	Good
6.	90 - 94	04	Good
7.	97 - 104	07	Good
8.	116 - 120	04	Good
9.	137 - 144	07	Good
10.	157 - 161	04	Good

Note: 1. Fine bands of Kankar are intermixed with almost all the Zones.

2. Zone Sl. No. 5 & 8 are Fine to Medium sand in Nature.

*Verified as per logs provided.
Note: So No 5 have finer sediments.*

For Geo.Instruments & Technic's

S. Shukla
(S. Shukla)

S. Shukla
24/11/22
ASSISTANT HYDROGEOLOGIST
CIRCLE OFFICE (RURAL)
UP JALPAIGANJ (RURAL)



Cover Agreement No. :-

Name of District:- Siddharthnagar

Scheme Name:- Sanauli Nankar

Block Name:- khuniyaon

Name of Activity :-

Depth B.G.L.Meter	Boring Chart	Strata	Executed Assembly	ASSEMBLY DETAILS
				300 mm Dia housing pipe to 41.53 M
				300 x150mm reducer from 41.53 M to 41.73 M
				150mm dia plain pipe from 41.73 M to 57.56 M
				150mm dia slotted pipe from 57.56 M to 63.56 M
				150mm dia plain pipe from 63.56 M to 70.57 M
				150mm dia slotted pipe from 70.57 M to 73.57 M
				150mm dia plain pipe from 73.57 M to 90.63 M
				150mm dia slotted pipe from 90.63 M to 93.58 M
				150mm dia plain pipe from 93.58 M to 97.58 M
				Slot- 97.58-103.58, plain 103.58-116.73, slot- 116.73-119.73
				Plain- 119.73-137.73, slot- 137.73-143.74, plain- 143.74-149.74
				Total Assembly- 149.74 M+AGL 0.5=150.24 M
				ABSTRACT
				Date of Lowering-
				LPM- 850 LPM
				Drilling Depth- 170.0 M
				Assembly Lowered- 149.74 M
				Housing Pipe- 42.03 M
				Plain Pipe- 81.0 M
				Slotted Pipe- 27.01 M
				Reducer- 0.2 M
				LOGGING REPORT
				Date of Logging- 24/11/2022
				Logging Depth- 168.0 m
				29-38 = 9
				42-45 = 3
				57-64 = 7
				70-74 = 4
				85-87 = 2
				90-94 = 4
				97-104 = 7
				116-120 = 4
				137-144 = 7
				157-161 = 04

MEIL

TPI

[Signature]
J.E.

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A.E.

E.E.

मुख्य अभियन्ता
खण्ड कार्यालय (वि०/या०)
जल निगम (ग्रामीण)
गोरखपुर