



Tele Fax : +91-0522-246-5512(O)
Mob. : + 91 - 9415141232, 9554034123
E-mail : geo.instrument@outlook.com

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:24-25:LS: 75
Dated: 25-05-2024

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: Paisiya Lalain
Block: Laxmipur
District: Maharajganj
State: Uttar Pradesh
Date of Logging: 25-05-2024
Drilling Depth: 210.0 m bgl
Logging Depth: 208.0 m bgl
Rm - 16.0 Ω m Rw 15.0 Ω m

Latitude: 27.253825 Longitude: 83.368623

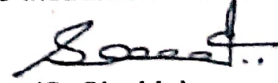
Borehole Drilled by: M/s Ritwik- Koya-JV, Maharajganj, Uttar Pradesh.

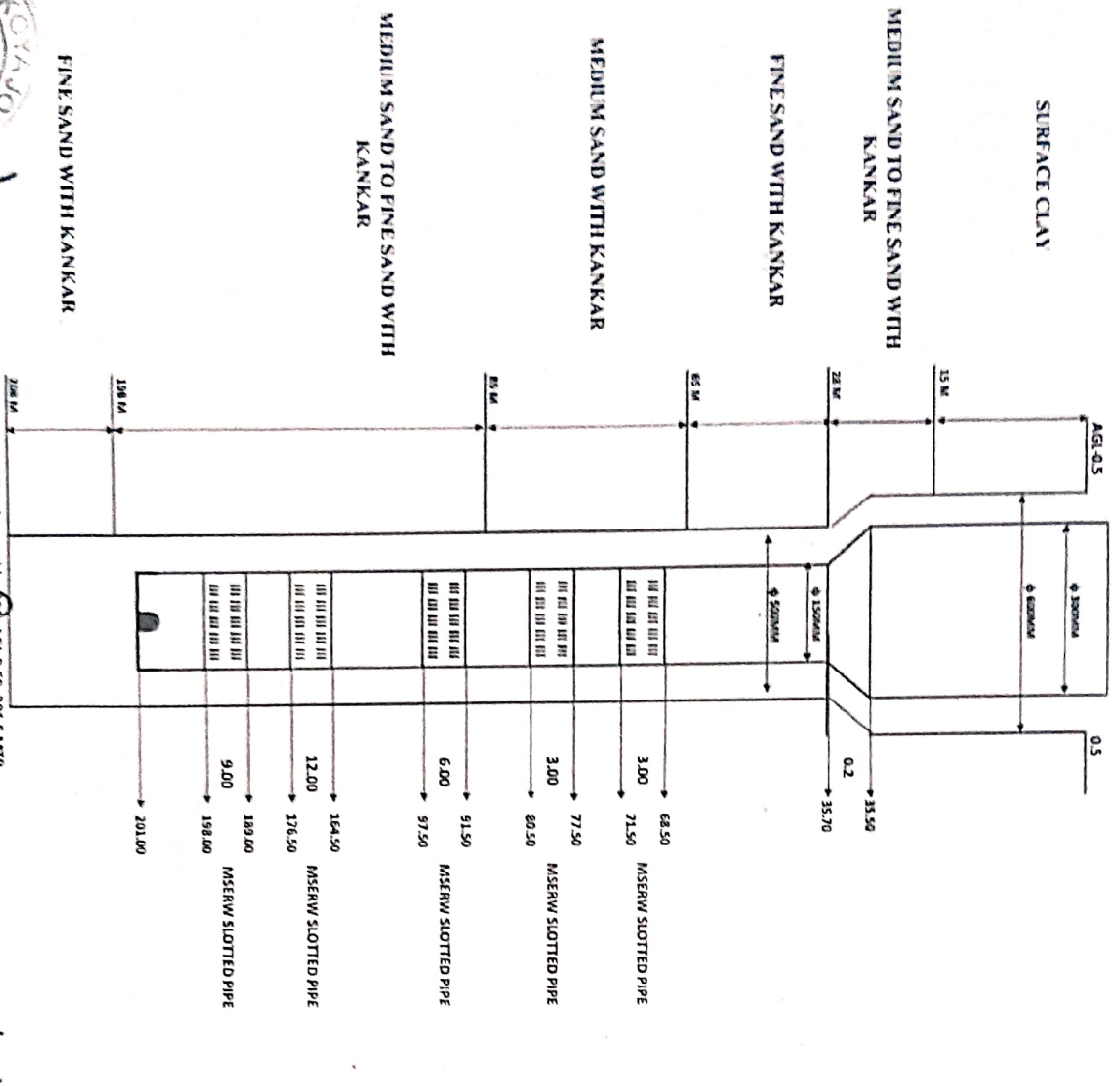
Based on the interpretation of Self Potential (SP), Short Normal (N-16"), Long Normal (N-64") and Lateral 6' Geophysical Logs, following informations/granular zones have been deciphered with respect to Salinity only:

Sl. No.	Depth Range (m bgl)	Thickness (meter)	Remark (Quality of Aquifer Water)
1.	15 - 19	04	Good
2.	28 - 41	13	Good
3.	45 - 49	04	Good
4.	68 - 72	04	Good
5.	77 - 81	04	Good
6.	91 - 98	07	Good
7.	164 - 177	13	Good
8.	189 - 198	09	Good

- Note: 1. Fine bands of kankar are intermixed with almost all the zones.
2. Zone Sl. No. 7 is highly intermixed with fine bands of kankar.
3. Please ensure pre-monsoon water level before lower the well assembly.

For Geo Instruments & Technic's


(S. Shukla)



1	Direct - Maharaajganj
2	Block - Laxmipur
3	Village - Prayagra Lahan
4	Date of Logging - 25/05/2024
5	Date of Logging - 01/06/2024
6	Site of Assembly - Yamnaxi Sonan
7	Size of Bore - 600X300
8	Required Discharge - 1150 LPM

A) Hoisting Pipe 300 mm dia (AGL) 0.5
 B) Hoisting Pipe 300 mm dia (BGL) 35.50
 C) Reducer 300 mm x 150 mm = 0.20
 D) Slotted Pipe 150 mm dia = 35.00
 E) Plain Pipe 150 mm dia = 132.3
 With AGL = 201.50
 Total assembly - 201.5 AGL 0.50 = 201.5 MTR
 With AGL = 201.50

Sl No	Depth Range (Metr)	Thickness (Metr)	Remarks
1	15-19	4.0	GOOD
2	28-41	13.2	GOOD
3	45-49	4.0	GOOD
4	62-72	4.0	GOOD
5	77-81	4.0	GOOD
6	91-98	7.0	GOOD
7	164-177	13.0	GOOD
8	189-198	9.0	GOOD

Note:-
 1. Fine Bands of kankar are intermixed with almost all the zones.
 2. The soil is highly permeable with the presence of kankar.
 3. The water table is at a depth of 15.13 meters below the ground level.

CLIENT

STATE WATER SANITATION MISSION
 (HAR CHAR JAL & RURAL WATER
 SUPPLY DEPARTMENT)
 GOVERNMENT OF UTTAR PRADESH



Total assembly - 201.5 AGL 0.50 = 201.5 MTR
 TP (02/5/2024)

1E

A.E

1E