

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:21-22:LS: 198
Dated: 08-02-2022

GEOPHYSICAL BOREHOLE LOGGING REPORT

Site: **Siyathu**
Block: **Behjam**
District: **Lakhimpur Kheeri**
State: **Uttar Pradesh**
Drilling depth: **170.0 m bgl**
Logging depth: **170.0 m bgl**
Date of logging: **07-02-2022**
Rm - **8.0 Ω m** Rw - **12.0 Ω m**

Tubewell Drilled By: **NCC Limited, Lakhimpur Kheeri, 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:

Sl. No.	Depth Range (mbgl)	Thickness (meters)	Remarks (Quality of aquifer water)
1.	47 - 55	08	Good
2.	63 - 72	09	Good
3.	80 - 88	08	Good
4.	97 - 108	11	Good
5.	114 - 120	06	Good
6.	129 - 136	07	Good
7.	150 - 154	04	Good
8.	160 - 170	10	Good

Note: 1. Zone Sl. No. 7 is Fine Sand in nature.

2. Zones Sl. No. 4 to 8 are intermixed with Kankar.

Verified as per logs provided.

ASSISTANT HYDROGEOLOGIST
VANDRIK MANDAL
O.P. JALONGAM (RURAL)
PRAYAGRAJ 2.

For Geo Instruments & Technic's

(S. Shukla)

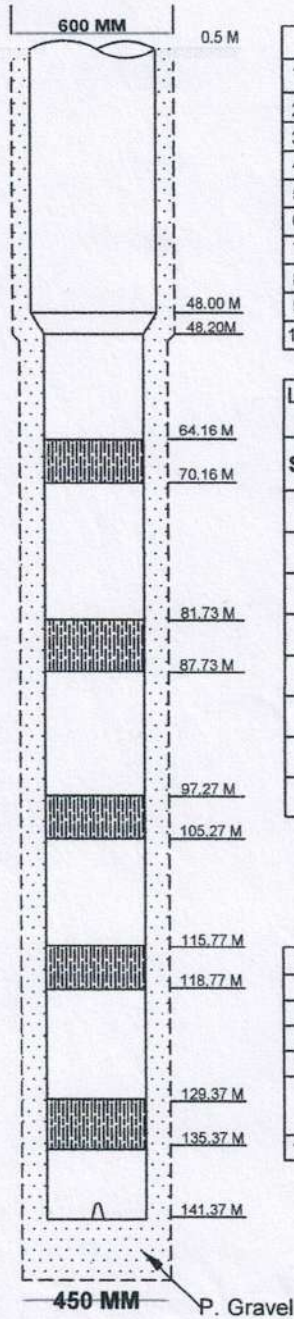
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Siyathu, Block-Bhejam, District, Lakhimpur Kheri.
 Name of Program :- J. J. M-2
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name of Contractor :- M/S NCC Limited
 Name of TPI :- Ceinsys Tech Limited
 Contract Agreement :-64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 200/ED/2021-22/III Dt. 30 November 2021

Lowered Assembly Chart of T. W of Siyathu G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-3 mtr Surface Clay
3-47 mtr Clay & Silty Clay.
47-55 mtr Fine Sand
55-63 mtr Clay
63-72 mtr Fine Sand
72-80 mtr Sandy soil
80-88 mtr Fine to Medium Sand
88-97 mtr Clay with Kankar
97-108 mtr Fine to Medium Sand With Kankar
108-114 mtr Sandy soil with Caving Clay
114-120 mtr Medium Sand With Kankar
120-129 mtr Sandy soil With Kankar
129-136 mtr Fine Sand With Kankar
136-150 mtr Clay with Kankar soil
150-154mtr Fine Sand
154-165 mtr Clay With Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 750 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 01.02.2022
7	Drilling Completion Date :- 06.02.2022
8	Total Depth Of Drilling :- 170M
9	Logging Date :- 07.02.2022
10	Logging Depth :- 170M

Logging Report by GROUND WATER INVESTIGATION CENTER Lucknow.

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	47-55	8	Fine to Medium Sand (Good All)
2	63-72	9	
3	80-88	8	
4	97-108	11	
5	114-120	6	
6	129-136	7	
7	150-154	4	
8	160-170	10	

Note:- 1. Zone Sl. No. 7 is Fine Sand In Nature.
 2. Zone Sl. No. 4 to 8 are intermixed with Kankar.

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.5 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 29.0 Meter
iii)	150 mm Dia M. S. Plain pipe :- 64.17 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 141.87 Meter
	AGI :- 00.50 Meter
	BGL :- 141.37 Meter
12.	Date of Lowering :- 04.03.2022

Recommended & Prepared by

(Signature)
 NCC LIMITED

Verified by

(Signature)

Recommended by

(Signature)
 J.E
 13th Division I.P. Id.

Approved by

(Signature)
 A.E
 13th Division I.P. Id.

(Signature)
 E.E
 13th Division I.P. Id.