



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

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GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Kheri/26

Date : 06.07.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Niburiya, Block – Nighasan
Distt. – Kheri

Drilling Depth : 168 mbgl as Reported by Driller

Logged Depth : 165 ~~mbgl~~

Date of Logging : 06.07.22

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : ~~Upton~~

Presence : Representative of M/S NCC Ltd.

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	R _{mf} & R _w
1	24 – 30	6	Good	R _{mf} = 22 Ωm R _w = 24 Ωm
2	37 – 41	4	Good	
3	47 – 54	7	Good	
4	57 – 60	3	Good	
5	70 – 77	7	Good	
6	85 – 89	4	Good	
7	95 – 105	10	Good, Intermixed with finer bands of kankar	
8	116 – 130	14	Good, Intermixed with finer bands of kankar	
9	136 – 143	7	Good	
10	150 – 156	6	Good	

Remark :

CC :

1. M/S NCC Limited, Kheri

Verified as per logs provided.

G. C. Ch
ASSISTANT HYDROGEOLOGIST
VANRIK NAGAR
U.P. JALINIGAM (RURAL)
PRAYAGRAJ

Drink

(*G. C. Ch*)
Geophysicist

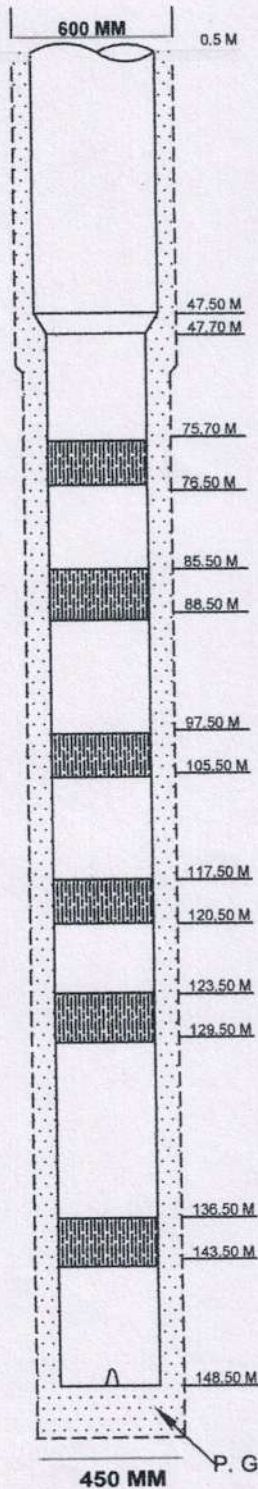
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Niburiya, Block-Nighasan, 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 :- 313/ED/2022-23/V Dt: 02/08/2022

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

Strata

0-3 mtr Surface Clay
3-24 mtr Clay & Silty Clay.
24-30 mtr Fine Sand With Kankar
30-37 mtr Clay with Kankar
37-41 mtr Fine Sand with Kankar
41-57 mtr Sandy soil With Kankar
57-60 mtr Fine to Medium Sand With Kankar
60-70 mtr Clay with Kankar
70-77mtr Fine to Medium Sand With Kankar
77-85 mtr Sandy soil with Caving Clay
85-89 mtr Fine Sand With Kankar
89-95 mtr Sandy soil With Kankar
95-105 mtr Fine Sand With Kankar
105-116 mtr Clay with Kankar soil
116-130 mtr Fine Sand With Kankar
130-136 mtr Clay with Kankar soil
136-143 mtr Fine Sand With Kankar
143-150 mtr Sandy soil With Kankar
150-156 mtr Fine Sand With Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 1300 LPM
4	Bore Size (MM) :- 600x500
5	Assembly Size (MM) :- 300 x 200
6	Drilling Starting Date :- 02.07.2022
7	Drilling Completion Date :- 04.07.2022
8	Total Depth Of Drilling :- 170M
9	Logging Date :- 07.07.2022
10	Logging Depth :- 167M

Logging Report By Ground Water Investigation Center			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	24-30	6	Fine to Medium Sand (Good All)
2	37-41	4	
3	57-60	3	
4	70-77	7	
5	85-89	4	
6	95-105	10	
7	116-130	14	
8	136-143	7	
9	150-156	6	

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.00 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 36.0 Meter
iii)	150 mm Dia M. S. Plain pipe :- 53.50 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 137.70 Meter	
AGI :- 00.50 Meter	
BGL :- 137.20 Meter	
12. Date of Lowering :- 08.07.2022	

Recommended & Prepared by

 M/s NCC Ltd

Verified by

 J.E
 13th Division UP Jal Nigam (R) Lucknow
 M/s Ceinsys Tech Ltd

Recommended by

 A.E
 13th Division UP Jal Nigam (R) Lucknow

Approved by

 E.E
 13th Division U.P Jal Nigam (R) Lucknow