

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/31

Date : 05.09.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Kallua, Block – Pasgawan
Distt. – Kheri

Drilling Depth : 165 mbgl as Reported by Driller

Logged Depth : 150 mbgl

Date of Logging : 05.09.22

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

Logger Used : IGIS

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	30 – 36	6	Good	R _{mf} = 21.3 Ωm R _w = 23.8 Ωm
2	42 – 48	6	Good	
3	53 – 62	9	Good	
4	70 – 73	3	Good, finer sediments	
5	80 – 95	15	Good, Intermixed with finer bands of kankar	
6	98 – 106	8	Good, Intermixed with finer bands of kankar	
7	112 – 126	14	Good	
8	139 – 145	6	Good	

Remark :

CC :

M/S NCC Limited, Kheri

Verified as per logs provided.

File
ASSISTANT ENGINEER
CIRCLE OFFICE (EM)
U.P. JAL NIGAM (RURAL)
PRAYAGRAJ

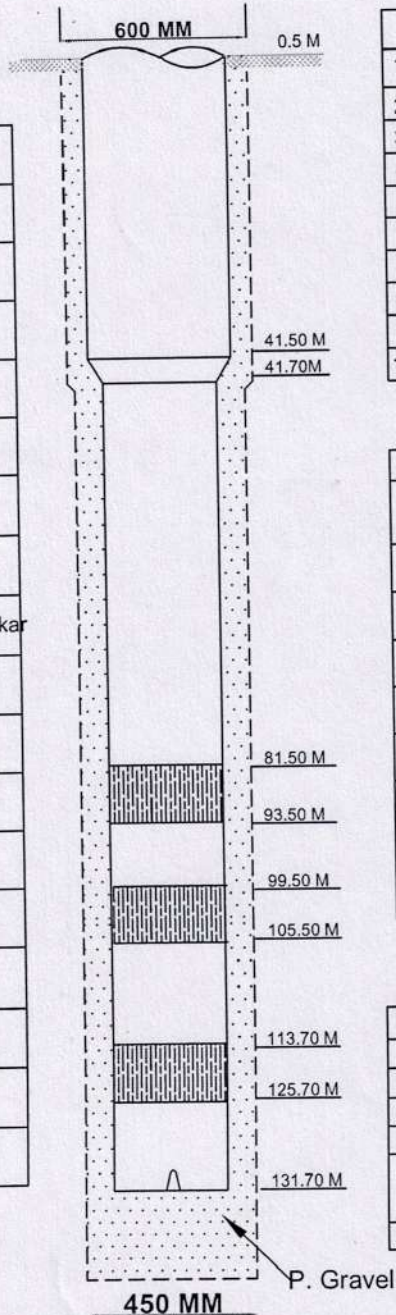


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Kallua, Block-Pasgawan, 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/22-23/V Dt-02.08.2022
Lowered Assembly Chart of T. W of Kallua G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-3 mtr Surface Clay
3-30 mtr Clay & Silty Clay.
30-36 mtr Fine Sand with Kankar
36-42 mtr Clay with kankar
42-48 mtr Fine Sand with kankar
48-53 mtr Sandy soil with kankar
53-62 mtr Fine to Medium Sand
62-70 mtr Clay with Kankar
70-73 mtr Fine to Medium Sand with kankar
73-80 mtr Sandy soil with Caving Clay
80-95 mtr Medium Sand with kankar
95-98 mtr Sandy soil with Kankar
98-106 mtr Fine to Medium Sand
106-110 mtr Clay with Kankar
110-112 mtr caving clay
112-126 mtr Fine to Medium Sand
126-139 mtr Clay with Kankar
139-145 mtr Fine to Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 850 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 01.09.2022
7	Drilling Completion Date :- 05.09.2022
8	Total Depth Of Drilling :- 165M
9	Logging Date :- 05.09.2022
10	Logging Depth :- 150M

Logging Report By GIC Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	30-36	6	Good
2	42-48	6	Good
3	53-62	9	Good
4	70-73	3	Good, finer Sediment
5	80-95	15	Good, intermix with Kankar
6	98-106	8	Good, intermix with Kankar
7	112-126	14	Good
8	139-145	6	Good

Note:-All Zone are intermixed with fine bands of kankar

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 42.00Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 30.00Meter	
iii) 150 mm Dia M. S. Plain pipe :- 60.00 Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 132.20 Meter	
AGI :- 00.50 Meter	
BGL :- 131.70 Meter	
12. Date of Lowering :- 06.09.2022	

Recommended
&
Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

13th Division UP Jal
Nigam (R) Lucknow

Approved by

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