



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/5

Date : 25.04.22

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village –Motipur (Re- Logging), Block –Nighasan
Distt. – Kheri

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : ~~168 mbgl~~

Date of Logging : 25.04.22

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	25 – 37	12	Good	R _{mf} = 27 Ωm R _w = 29 Ωm
2	40 – 57	17	Good	
3	69 – 76	7	Good	
4	80 – 88	8	Good	
5	96 – 106	10	Good	
6	120 – 138	18	Good	
7	147 – 153	6	Good	
8	157 – 162	5	Good	



Remark :

CC :

1. M/S NCC Limited, Kheri

Verified as per logs provided.

A.K. Singh
ASSISTANT HYDROGEOLOGIST
26, YANTOUK MANDAL
G.P. JAL NIGAM (RUR)
PRAYAGRAJ

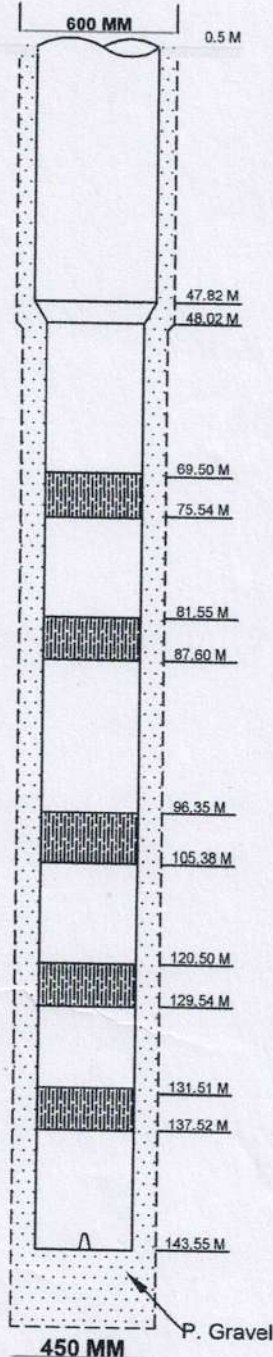


(A.K. Singh)
Geophysicist

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 Dated on 12.03.2021
 Cover Agreement :- 245/ED/2021-22 /IV Dt. 01 January, 2022

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

Strata

0-3 mtr Surface Clay
3-25 mtr Clay & Silty Clay.
25-37 mtr Fine Sand
37-40 mtr Clay
40-57 mtr Fine Sand
57-69 mtr Sandy Clay
69-76 mtr Fine to Medium Sand
76-80 mtr Clay with Kankar
80-88 mtr Fine to Medium Sand
88-96 mtr Sandy soil with Caving Clay
96-106 mtr Medium Sand
106-120 mtr Clay with Kankar
120-138 mtr Fine Sand With Kankar
138-147 mtr Clay with Kankar soil
147-153 mtr Fine to Medium Sand
153-157 mtr Clay with Kankar
157-162 mtr Fine Sand with Kankar soil



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 1100 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 20.04.2022
7	Drilling Completion Date :- 24.04.2022
8	Total Depth Of Drilling :- 165.0 M
9	Logging Date :- 25.04.2022
10	Logging Depth :- 162.0M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	25-37	12	Fine to Medium Sand (Good All)
2	40-57	17	
3	69-76	7	
4	80-88	8	
5	96-106	10	
6	120-138	18	
7	147-153	6	
8	157-162	5	

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.32 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 36.17 Meter
iii)	150 mm Dia M. S. Plain pipe :- 59.36 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 140.05Meter
	AGI :- 00.50 Meter
	BGL :- 143.55Meter
12. Date of Lowering :- 27.04.2022	

Recommended & Prepared by

 M/S NCC Ltd

Verified by

 M/S Ceinsys Tech Ltd

Recommended by

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

Approved by

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