



# 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/3

Date : 16.03.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

**Site's Location** : Village –Trikoliya Purab Block – Nighasan  
Distt. – Kheri

**Drilling Depth** : 120 mbgl

**Logged Depth** : 117 mbgl

**Date of Logging** : 16.03.22

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

**Logger Used** : Upron

**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 <sub>mf</sub> & R <sub>w</sub>
1	25 – 43	18	Good, Kankar intermixed	R <sub>mf</sub> = 24Ωm R <sub>w</sub> = 28 Ωm
2	50 – 62	12	Good, Kankar intermixed	
3	70 – 80	10	Good	
4	85 – 93	8	Good	
5	99 – 103	4	Good	
6	108 – 117	9	Good	

**Remark :** Strata of all zones are good for lowering. Ground water quality is good. SP has not developed properly due to RC bore.

CC :

1. M/S NCC Limited, Kheri

*Verified as per logs provided.*

ASSISTANT HYDROGEOLOGIST  
YANTRIK MANDAL  
U.P. JAL NIGAM (RURAL)  
PRAYAGRAJ

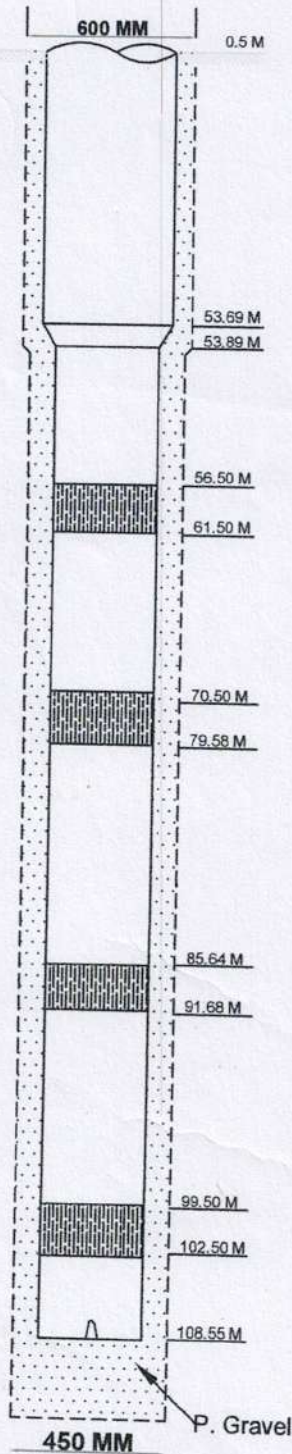
*Ranjit*  
  
(A.K. Singh)  
Geophysicist

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 Dt. 12.03.2021  
 Cover Agreement :- 200/ED/2021-22 Dt. 30 November 2021

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

### Strata

0-3 mtr Surface Clay
3-25 mtr Clay & Silty Clay.
25-43 mtr Fine Sand
43-50 mtr Clay
50-62 mtr Fine Sand
62-70 mtr Sandy soil
70-80 mtr Fine to Medium Sand
80-85 mtr Clay with Kankar
85-93 mtr Fine to Medium Sand
93-99 mtr Sandy soil with Caving Clay
99-103 mtr Medium Sand
103-108 mtr Sandy soil with Kankar
108-117 mtr Fine Sand With Kankar
117-120 mtr Clay with Kankar soil



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 600 LPM
4	Bore Size (MM) :- <del>600x450</del> 500x450
5	Assembly Size (MM) :- 200 x 150
6	Drilling Starting Date :- 01.03.2022
7	Drilling Completion Date :- 15.03.2022
8	Total Depth Of Drilling :- 120M
9	Logging Date :- 16.03.2022
10	Logging Depth :- 117M

### Logging Report by GROUND WATER INVESTIGATION CENTER Lucknow.

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	25-43	18	Fine to Medium Sand (Good All)
2	50-62	12	
3	70-80	10	
4	85-93	8	
5	99-103	4	
6	108-117	9	

NOTE: Strata of all Zone are Good For Lowering.

### 11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe :- 54.19 Meter
ii) 150 mm Dia M. S. Slotted pipe :- 23.12 Meter
iii) 150 mm Dia M. S. Plain pipe :- 31.54 Meter
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 109.05 Meter
AGI :- 00.50 Meter
BGL :- 108.55 Meter
12. Date of Lowering :- 22.03.2022

Recommended & Prepared by

M/s NCC Ltd

Verified by

*[Signature]*  
COA/ice

M/s Ceinsys Tech Ltd

Recommended by

*[Signature]*  
J.E

13th Division UP Jal Nigam (R) Lucknow

Approved by

*[Signature]*  
E.E

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