



# 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/19

Date : 09.06.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

**Drilling Depth** : 135 mbgl as Reported by Driller

**Logged Depth** : 125 mbgl 116 mbgl.

**Date of Logging** : 09.06.22

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

**Logger Used** : Upton

**Presence** : Representative of M/S NRC & M/S Neeram Enterprises, Lko

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 – 45	20	Good	R <sub>mf</sub> = 22 Ωm R <sub>w</sub> = 24.2 Ωm
2	54 – 60	6	Good	
3	65 – 72	7	Good	
4	86 – 92	6	Good	

5 102-110 8 Good.

**Remark** : All zones are intermixed with fine bands of kankar.



**CC :**

1. M/S NCC Limited, Kheri
2. M/S NRC, Hyderabad
3. M/s Neeram Enterprises, Lucknow

Verified as per  
logs provided.

G. S. H.

ASSISTANT HYDROGEOLOGIST  
YANTRIK MANDAL  
U.P. JAL NIGAM (RUPAI)  
PRAYAG

  
  
(G. S. H.)  
Geophysicist

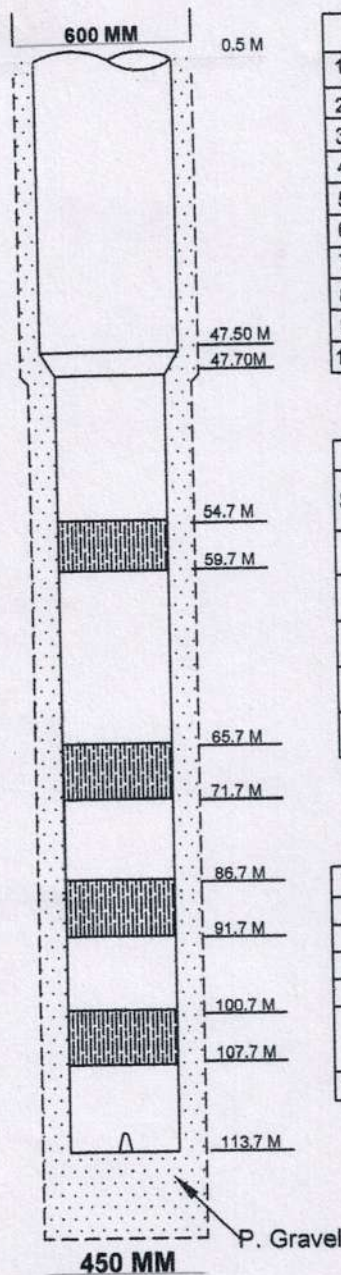
## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Kadiya, Block-Nighsan, 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** :- 102/ED/Ph-2/2022-23/V Dt: 14/09/2022

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

### Strata

0-3 mtr Surface soil
3-25 mtr Clay & Silty Clay.
25-45 mtr Fine Sand with Kankar
45-54 mtr Clay with Kankar
54-60 mtr Fine Sand with Kankar
60-65 mtr Sandy soil with Kankar
65-72 mtr Fine Sand with Kankar
72-86 mtr Clay with Kankar
86-92 mtr Fine to Medium Sand with Kankar
92-100 mtr Sandy soil with Caving Clay
100-110 mtr Fine to medium Sand
110-116 mtr Sandy soil with Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 950 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 01.06.2022
7	Drilling Completion Date :- 08.06.2022
8	Total Depth Of Drilling :- 135M
9	Logging Date :- 09.06.2022
10	Logging Depth :- 116M

Logging Report By G.I.C Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	25-45	20	Fine to Medium Sand (Good All)
2	54-60	6	
3	65-72	7	
4	86-92	6	
5	100-110	8	

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

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.0 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 23.0 Meter
iii)	150 mm Dia M. S. Plain pipe :- 43.0 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 114.20 Meter
	AGI :- 00.50 Meter
	BGL :- 113.70 Meter
12.	Date of Lowering :- 10.06.2022

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 UP Jal Nigam (R) Lucknow

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