



# 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/15

Date : 13.05.22

## GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

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

**Drilling Depth** : 165 mbgl as Reported by Driller

**Logged Depth** : 155 mbgl

**Date of Logging** : 13.05.22

**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 <sub>mf</sub> & R <sub>w</sub>
1	25 – 35	10	Good	R <sub>mf</sub> = 30 Ωm R <sub>w</sub> = 31 Ωm
2	45 – 65	20	Good	
3	76 – 86	10	Good	
4	93 – 112	19	Good	
5	128 – 132	4	Good	
6	137 – 142	5	Good	

**Remark** : Strata of Sl. No. 1 is written on the basis of Lateral Log.

**CC :**

M/S NCC Limited, Kheri

Verified as per  
logs provided.  
G.S.  
14/5/22

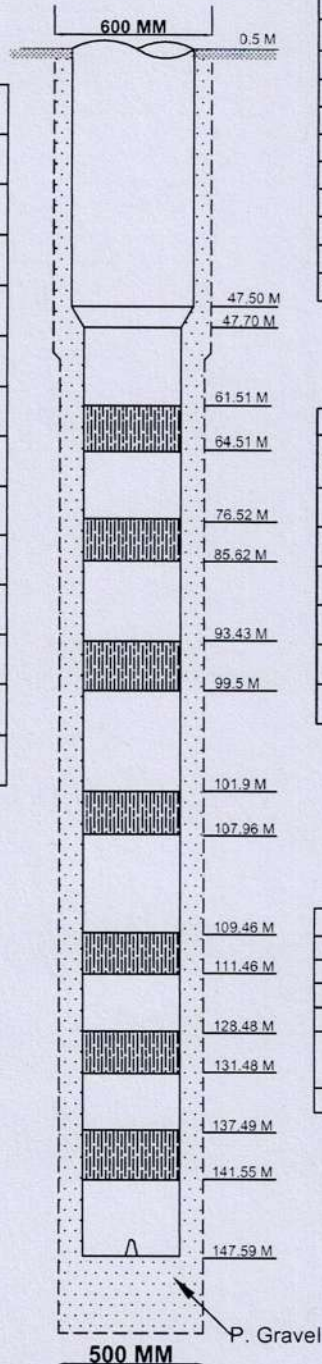
  
  
(A.K. Singh)  
Geophysicist

## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Sedhauna, 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 Dated on 12.03.2021  
**Cover Agreement** :- 200/ED/2021-22/III Dt. 30 November, 2021  
**Lowered Assembly Chart of T. W of Sedhauna,G.P W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 mtr Surface Soil
5-25 mtr Clay Kankar
25-35 mtr Fine to Medium Sand
35-45 mtr Clay
45-65 mtr Fine to Medium Sand
65-76 mtr Clay Kankar
76-86 mtr Fine Sand
86-93 mtr Clay With Kankar
93-112 mtr Fine to Medium Sand
112-128 mtr Clay With Kankar
128-132 mtr Fine to Medium Sand
132-137 mtr Caving Clay
137-142 mtr Fine Sand
142-155 mtr Clay With Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 1250 LPM
4	Bore Size (MM) :- 600x500
5	Assembly Size (MM) :- 300 x 200
6	Drilling Starting Date :- 09.05.2022
7	Drilling Completion Date :- 14.05.2022
8	Total Depth Of Drilling :- 165.0 M
9	Logging Date :- 13.05.2022
10	Logging Depth :- 155.0M

### Logging Report By Ground Water Investigation Center

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	25-35	10	Fine to Medium Sand (Good All)
2	45-65	20	
3	76-86	10	
4	93-112	19	
5	128-132	4	
6	137-142	5	

### 11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe :- 48.00 Meter
ii) 200 mm Dia M. S. Slotted pipe :- 33.29 Meter
iii) 200 mm Dia M. S. Plain pipe :- 66.60 Meter
iv) 300 x 200 mm Dia M S Reducer :- 0.20 Meter
Total :- 148.09Meter
AGI :- 00.50 Meter
BGL :- 147.59Meter
12. Date of Lowering :- 16.05.2022

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

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

*[Signature]*  
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Approved by

E.E  
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