



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/50

Date : 06.01.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Ahmad Nagar, Block – Kumbhi
Distt. – Kheri

Drilling Depth : 170 mbgl as Reported by Driller

Logged Depth : ~~165~~ mbgl

Date of Logging : 06.01.23

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

Logger Used : ~~IGIS~~

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	26 – 30	4	Good	$R_{mf} = 23.9 \Omega m$ $R_w = 25.6 \Omega m$
2	35 – 42	7	Good	
3	47 – 51	4	Good	
4	55 – 61	6	Good	
5	66 – 75	9	Good	
6	79 – 90	11	Good, Intermixed kankar bands	
7	103 – 110	7	Good	
8	114 – 123	9	Good, Intermixed kankar bands	
9	135 – 147	12	Good, Highly kankar mixed	



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

C C :

M/S NCC Limited, Kheri

Verified as per logs provided.

*G.Sh
07/01/23*

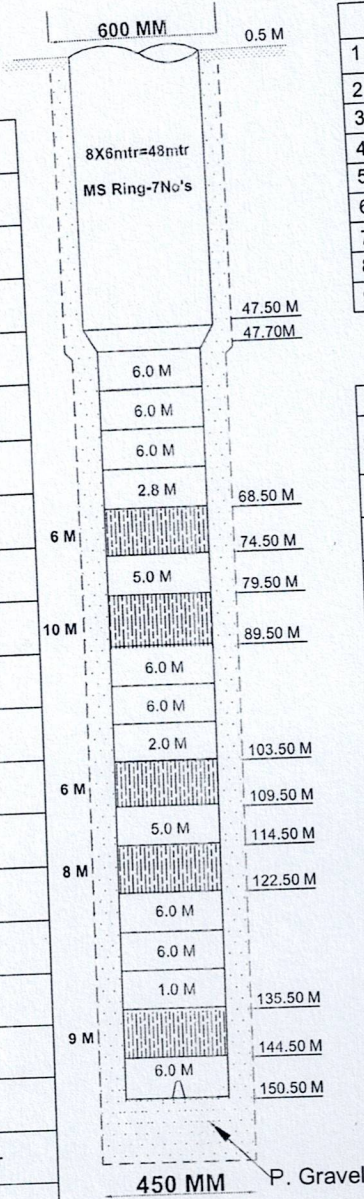


(A.K. Singh)
Geophysicist

COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Ahmad Nangar, Block-Kumbhi, District, Lakhimpur Kheri.
 Name of Program :- ... M-2
 Name of client :- S.W.S.M. & U.P. AL NIGAM (R)
 Name of Contractor :- M/S NCC Limited
 Name of TPI :- Ceinsys Tech Limited
 Cover Agreement :- 272/ED/Phase-3/2022-23/XI, Dated 27.12. 2022
 Lowered Assembly Chart of T. W of G.P Ahmad Nangar, Block-Kumbhi,

Strata

0-5 mtr Surface Clay
5-11 mtr Dry Sand
11-15 mtr Clay Kankar
15-20 mtr Fine to Medium Sand
20-26 mtr Clay Kankar
26-33 mtr Fine to Medium Sand
33-50 mtr Clay Kankar
50- 65 mtr Medium Sand & Kankar
65- 72 mtr Clay Kankar
72-74 mtr Kankar
74-76 mtr Clay Kankar
76- 81 mtr Fine Sand
81-87 mtr Clay Kankar
87-95 mtr Medium Sand
95-109 mtr Clay Kankar
109-116 mtr Medium Sand & Kankar
116-130 mtr Medium Sand & Kankar
130-138 mtr Clay Kankar
138-148 mtr Caving Clay
148-159 mtr Medium Sand & Kankar
156-165 mtr Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 1100 LPM
3	Bore Size (MM) :- 600x450
4	Assembly Size (MM) :- 300 x 150
5	Drilling Starting Date :- 30.01.2023
6	Drilling Completion Date :- 06.01.2023
7	Total Depth Of Drilling :- 170 M
8	Logging Date :- 06.01.2023
9	Logging Depth :- 165 M

Logging Report By Ground Water Investigation Center			
Sl.No	Depth (m bgl)	Thickness (m)	Remarks
1	26-30	4	Good
2	35--42	7	Good
3	47--51	4	Good
4	55--61	6	Good
5	66--75	9	Good
5	79--90	11	Good, Intermixed kankar
5	103--110	7	Good
5	114--123	9	Good, Intermixed kankar
5	135--147	12	Good, Highly kankar mixed

(G.Shukla)
 Verified by Asst. Hydrologist
 Circle Office(E&M) U.P al
 Nigam (Rural)

(A.K Singh)
 Verified by Geophysicist
 GIC Lucknow.

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.0 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 39.00Meter
iii)	150 mm Dia M. S. Plain pipe :- 63.80Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 151.00 Meter
	AGI :- 00.50 Meter
	BGL :- 150.50 Meter
12.	Date of Lowering :- 09.01.2023

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

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

Approved by

A.E
 13th Division UP al
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