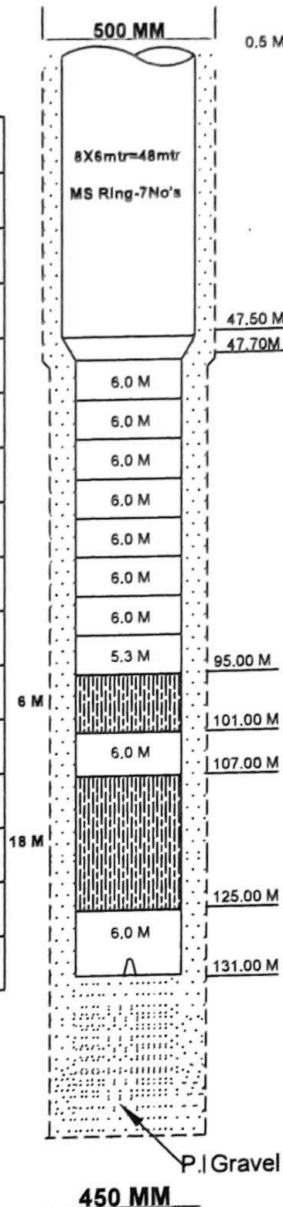


# COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Madhya, Block- kumbhigola, District, Lakhimpur Kheri.  
**Name of Program** :- J.J.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** :- 102/ED/Phase-2/2022-23/VI, Dated 14.09.2022  
**Lowered Assembly Chart of T. W of G.P. Madhya, Block- kumbhigola,**

## Strata

0-5 mtr Surface Soil
5-10 mtr Clay
10-15 mtr Fine Sand
15-20 mtr Clay Kankar
20-36 mtr Medium Sand
36-42 mtr Clay Kankar
42-56 mtr Medium Sand
56-60 mtr Clay Kankar
60-83 mtr Medium Sand
83-95 mtr Clay Kankar
95-101 mtr Medium Sand & Kankar
101-105 mtr Clay Kankar
105-126 mtr Medium Sand
126-140 mtr Caving Clay
140-158 mtr Medium Sand
158-165 mtr Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 550 LPM
3	Bore Size (MM) :- 500x450
4	Assembly Size (MM) :- 200 x 150
5	Drilling Starting Date :- 20.03.2023
6	Drilling Completion Date :- 28.03.2023
7	Total Depth Of Drilling :- 185M
8	Logging Date :- 27.03.2023
9	Logging Depth :- 185M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	42-56	14	Medium Sand	Good
2	60-83	23	Medium Sand	Good
3	95-101	6	M.S & Kankar	Good
4	105-126	21	Medium Sand	Good
5	140-158	18	Medium Sand	Good

(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)	200 mm Dia Housing Pipe :- 48.00 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 24.00Meter
iii)	150 mm Dia M. S. Plain pipe :-59.30Meter
iv)	200 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 131.50 Meter
	AGI :- 00.50 Meter
	BGL :- 131.00 Meter
12.	Date of Lowering :- 29.03.2023

Recommended  
&  
Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

*[Signature]*  
J.E  
Divisional office (E&M) UP  
Jal Nigam (R) Lucknow

Approved by

A.E  
Divisional office (E&M) UP  
Jal Nigam (R) Lucknow

E.E  
Divisional office (E&M) UP  
Jal Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MADHYA, BLOCK- KUMBHI GOLA, DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~165~~ mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 27.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 25.83 ~~Ohms.~~

Drilling Water Resistivity = 26.37 ~~Ohms.~~

Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 15	5	Fine sand	Good
4.	15 - 20	5	Clay kankar	
5.	20 - 36	16	Medium sand	Good
6.	36 - 42	6	Clay kankar	
<del>7.</del>	42 - 56*	14	Medium sand	Good
8.	56 - 60	4	Clay kankar	
<del>9.</del>	60 - 83*	23	Medium sand	Good
10.	83 - 95	12	Clay kankar	
<del>11.</del>	95 - 101*	6	Fine to Medium sand	Good
12.	101 - 105	4	Clay kankar	
<del>13.</del>	105 - 126*	21	Medium sand	Good
14.	126 - 140	14	Clay kankar	
<del>15.</del>	140 - 158*	18	Medium sand	Good
16.	158 - 165	7	Clay kankar	

SrNo9-63-83 (2024)

↓  
G.Sh  
28/03/23



- Logging performed as per  
ISWSM guidelines.  
- Groundwater quality  
interpreted by firms  
per their logger  
calibration