

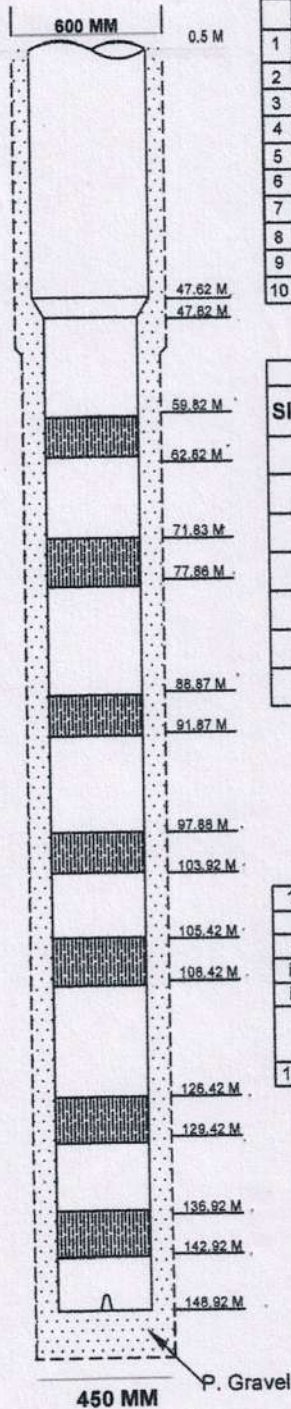
**COMPLETION PLAN OF TUBEWELL**

Name of work :- Construction of T. W. of G.P. Magadapur, Block-Kumbhi Gola, 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 Dt-14.09.2022

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

**Strata**

0-5 mtr Surface Clay
5-10 mtr Fine Sand
10-26 mtr Clay Kankar
26-38 mtr Fine To Medium Sand
38-55 mtr Clay Kankar
55-64 mtr Fine to Medium Sand
64-70 mtr Clay Kankar
70-79 mtr Fine to Medium Sand
79-87 mtr Clay
87-93 mtr Fine to Medium Sand
93-96 mtr Clay with Kankar
96-111 mtr Fine to Medium Sand
111-124 mtr Clay Kankar
124-131 mtr Fine to Medium Sand
131-136 mtr Clay Kankar
136-150 mtr Fine to Medium Sand
150-165mtr Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 750 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 21.04.2022
7	Drilling Completion Date :- 26.04.2022
8	Total Depth Of Drilling :- 170M
9	Logging Date :- 28.04.2022
10	Logging Depth :- 165M

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	26-38	12	Fine to Medium Sand (Good All)
2	55-64	9	
3	70-79	9	
4	87-93	6	
5	96-111	15	
6	124-131	7	
7	136-150	14	

**11. Details of Lowered Assembly**

i) 300 mm Dia Housing Pipe :- 48.12 Meter
ii) 150 mm Dia M. S. Slotted pipe :- 30.07 Meter
iii) 150 mm Dia M. S. Plain pipe :- 71.03 Meter
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 149.42 Meter
AGI :- 00.50 Meter
BGL :- 148.92 Meter

12. Date of Lowering :- 27.04.2022

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

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

Approved by

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

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



## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAGDAPUR, BLOCK- KUMBHIGOLA  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 165 mtrs. at above site. Was drilled by M/s NRC, Lakhimpur Khiri.

On the request of M/s NRC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Apr.2022.

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 = 32.35 Ohms.

Drilling Water Resistivity = 37.71 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 26	16	Clay kankar	
4.	26 - 38	12	Medium sand	Good
5.	38 - 55	17	Clay kankar	
6.	55 - 64*	9	Medium sand	Good
7.	64 - 70	6	Clay kankar	
8.	70 - 79*	9	Medium sand	Good
9.	79 - 87	8	Clay	
10.	87 - 93*	6	Medium sand	Good
11.	93 - 96	3	Clay	
12.	96 - 111*	15	Medium sand	Good
13.	111 - 124	13	Clay kankar	
14.	124 - 131*	7	Medium sand	Good
15.	131 - 136	5	Clay kankar	
16.	136 - 150*	14	Fine to Medium sand	Good
17.	150 - 165	15	Clay kankar	

Ground Water Survey & Consultancy



- Selected zones  
verified as per logs interpreted  
groundwater quality  
by firm as per their log  
calibration

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