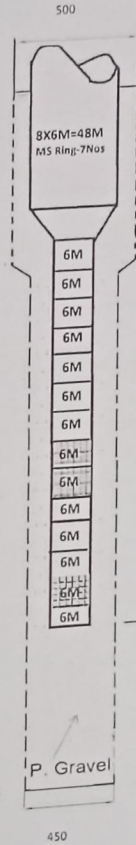


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G. P. Ajehra, Block- Mohammadi, District, Lakhimpur Kheri.  
 Name Of Program :- J. J. M  
 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 :- 12/ED/Phase-3/2021-22, date-07.01.2022  
 Cover Agreement :- 496/ED/Phase-3/2022-23/XX, Dated 03.03.2023

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

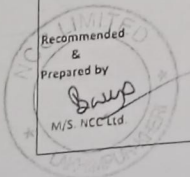
Strata			
0	5	M.	Surface Soil
5	10	M.	Dry Sand
10	20	M.	Clay Kankar
20	24	M.	Fine Sand
24	30	M.	Clay Kankar
30	50	M.	Medium Sand
50	56	M.	Clay Kankar
56	62	M.	Fine to Medium Sand
62	68	M.	Clay Kankar
68	74	M.	Medium Sand
74	80	M.	Clay Kankar
80	107	M.	Medium Sand & Kankar
107	113	M.	Clay Kankar
113	133	M.	Medium Sand
133	148	M.	Clay Kankar
148	154	M.	Medium Sand
154	165	M.	Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	
3	Required Discharge	450 LPM
4	Bore Size (MM)	500 X 450
5	Assembly Size (MM)	200 X 150
6	Drilling Starting Date	27-05-2023
7	Drilling Completion Date	31-05-2023
8	Total Depth Of Drilling	170 M
9	Logging Date	01-06-2023
10	Logging Depth	165 M

Logging Report			
SI No	Depth (m bgl)	Thickness (m)	Remarks
1	0 - 5	5	(Good All)
2	5 - 10	5	
3	10 - 20	10	
4	20 - 24	4	
5	24 - 30	6	
6	30 - 50	20	
7	50 - 56	6	
8	56 - 62	6	
9	62 - 68	6	
10	68 - 74	6	
11	74 - 80	6	
12	80 - 107	27	
13	107 - 113	6	
14	113 - 133	20	
15	133 - 148	15	
16	148 - 154	6	
17	154 - 165	11	

Details of Lowered Assembly			
i)	200	MM Dia Housing pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	18 M
iii)	150	MM Dia M. S. Plain pipe	66.0 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total			132.20 Meter
AGL			0.50 Meter
BGL			131.70 Meter
Date of Lowering			02-06-2023



Verified by  
M/S. Ceinsys Tech Ltd

Recommended by

13th Division U.P. Jal Nigam (R) Lucknow  
 JUNIOR OFFICE (E&M) Lucknow  
 U.P. JAL NIGAM (R) Lucknow  
 Assistant Engineer (E&M) Divisional Office U.P. Jal Nigam (R) Lucknow

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

## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AJEIHARA, BLOCK- MOHAMMADI, 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 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 01 June.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 = 22.78 Ohms.

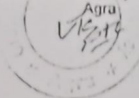
Drilling Water Resistivity = 23.66 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Dry sand	
3.	10 - 20	10	Clay kankar	
4.	20 - 24	4	Fine sand	
5.	24 - 30	6	Clay kankar	
6.	30 - 50	20	Medium sand	Good
7.	50 - 56	6	Clay kankar	
8.	56 - 62*	6	Fine to Medium sand	Good
9.	62 - 68	6	Clay kankar	
10.	68 - 74*	6	Medium sand	Good
11.	74 - 80	6	Clay kankar	
12.	80 - 107*	27	Medium sand & kankar	Good
13.	107 - 113	6	Clay kankar	
14.	113 - 133*	20	Medium sand	Good
15.	133 - 148	15	Clay kankar	
16.	148 - 154*	6	Medium sand	Good
17.	154 - 165	11	Clay kankar	

GSh  
 11/06/23

Ground Water Survey Consultancy



- Logging performed as per SWSM guidelines.  
 - Groundwater quality interpreted by firm as per their logger calibration.