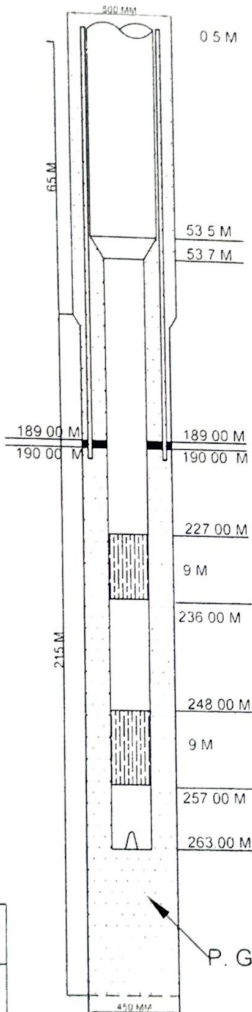


# COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Pachkorwa Block- Nakaha, 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** :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023  
**Lowered Assembly Chart of T. W of G.P. of Pachkorwa W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M	Surface soil
5-10 M	Clay kankar
10-15 M	Fine to Med Sand
15-24 M	Clay kankar
24-50 M	Medium Sand
50-54 M	Clay Kankar
54-68 M	Medium Sand
68-75 M	Clay kankar
75-85 M	Medium Sand
85-90 M	Clay Kankar
90-96 M	Fine to Med Sand
121-132 M	Medium Sand
96-120 M	Clay Kankar
120-150 M	Med Sand
150-154 M	Clay Kankar
154-188 M	Med Sand
188-198 M	Clay Kankar
198-210 M	Med Sand
210-220 M	Clay Kankar
220-238 M	Med Sand
238-248 M	Clay Kankar
248-257 M	Fine to Med Sand
257-260 M	Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 450 LPM
4	Bore Size (MM) - 500x450
5	Assembly Size (MM) - 200 x 150
6	Drilling Starting Date - 09 12 2023
7	Drilling Completion Date - 13 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 14 12 2023
10	Logging Depth - 260 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	54-68	14	Fine to Medium Sand (Good All)
2	75-85	10	
3	90-96	06	
4	120-150	30	
5	154-188	34	
6	198-210	12	
7	220-238	18	
8	248-257	09	

Sr No	Description	Zone 1 (248-257 M)	Zone 2 (220-238 M)	Zone 3 (198-210 M)
1	Fluoride (as F <sup>-</sup> )	1.00 / 0.625	1.00 / 0.665	1.00 / 1.040
2	Iron (As Fe <sup>+</sup> )	1.00 / 0.580	1.00 / 0.470	1.00 / 1.850
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.010	0.01 / 0.152

11. Details of Lowered Assembly	
i)	900 mm Dia Housing Pipe - 54.00 Meter
ii)	150 mm Dia M S Slotted pipe - 18.00 Meter
iii)	150 mm Dia M S Plain pipe - 191.30 Meter
iv)	900 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 263.50 Meter	
AGI - 00.50 Meter	
BGL - 263.00 Meter	
12	90mm dia uPVC - 191.5x2=337 Meter
13	Date of Lowering - 23 12 2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd.

M/S. Ceinsys Tech Ltd.

*[Signature]*  
J.E.  
Division Office (E/M)  
UP Jal Nigam (R)  
Lucknow

*[Signature]*  
A.E.  
Division Office (E/M)  
UP Jal Nigam (R)  
Lucknow

E.E.  
Division Office (E/M) UP Jal  
Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- PACHKORWA, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 260 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 14.Dec.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 = 18.07 Ohms.

Drilling Water Resistivity = 19.60 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 15	5	Fine to Medium sand	
4.	15 - 24	9	Clay kankar	
5.	24 - 50	26	Medium sand	Good
6.	50 - 54	4	Clay kankar	
7.	54 - 68*	14	Medium sand	Good
8.	68 - 75	7	Clay kankar	
9.	75 - 85*	10	Medium sand	Good
10.	85 - 90	5	Clay kankar	
11.	90 - 96*	6	Fine to Medium sand	Good
12.	96 - 120	24	Clay kankar	
13.	120 - 150*	30	Medium sand	Good
14.	150 - 154	4	Kankar	
15.	154 - 188*	34	Medium sand	Good
16.	188 - 198	10	Clay kankar	
17.	198 - 210*	12	Medium sand	Good
18.	210 - 220	10	Clay kankar	
19.	220 - 238*	18	Medium sand	Good
20.	238 - 248	10	Clay kankar	
21.	248 - 257*	9	Fine to Medium sand	Good
22.	257 - 260	3	Clay kankar	

Ground Water Survey Consultancy

