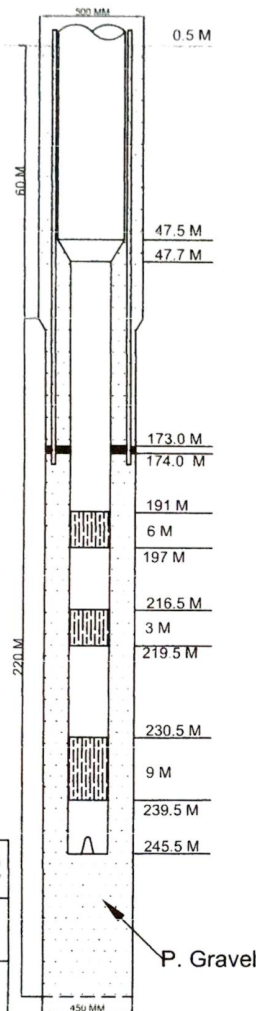


# COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Pachperwa, Block-Lakhimpur, 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** :- 465/ED/Phase-2/2022-23/XII, Dt. 27.02.2023  
**Lowered Assembly Chart of T. W of Pachperwa G.P W/S Scheme District** :- Lakhimpur Kheri.

### Strata

0-5 M. Surface Soil
5-10 M. Clay Kankar
10-15 M. Fine to Medium Sand
15-20 M. Clay Kankar
20-40 M. Medium Sand
40-51 M. Clay Kankar
51-62 M. Medium Sand
62-68 M. Clay Kankar
68-75 M. Medium Sand
75-83 M. Clay Kankar
83-98 M. Medium Sand
98-100 M. Clay Kankar
100-110 M. Medium Sand
110-115 M. Clay Kankar
115-131 M. Medium Sand
131-140 M. Clay Kankar
140-154 M. Medium Sand
154-165 M. Clay Kankar
165-172 M. Medium Sand
172-191 M. Clay Kankar
191-197 M. Medium Sand
197-216 M. Clay Kankar
216-220 M. Medium Sand
220-230 M. Clay Kankar
230-240 M. Medium Sand
240-245 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 430 LPM
4	Bore Size (MM) :- 500x450
5	Assembly Size (MM) :- 200 x 150
6	Drilling Starting Date :- 16/11/2023
7	Drilling Completion Date :- 20/11/2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 21/11/2023
10	Logging Depth :- 245 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	100-110	10	Fine to Medium Sand (Good All)
2	115-131	16	
3	140-154	14	
4	165-172	7	
5	191-197	6	
6	216-220	4	
7	230-240	10	

Sr. No	Description	Zone-1 (230-240 M) Acceptable Limit / Test result	Zone-2 (191-197 M) Acceptable Limit / Test result	Zone-3 (165-172 M) Acceptable Limit / Test result
1	Fluoride (as F)*	1.00 / 0.376	1.00 / 0.476	1.00 / 0.672
2	Iron (As Fe)*	1.00 / 0.560	1.00 / 0.970	1.00 / 1.250
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.010	0.01 / 0.015

11. Details of Lowered Assembly	
i) 200 mm Dia Housing Pipe :- 48.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :-18.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :-179.8 Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 246.0 Meter	
AGI :- 00.50 Meter	
BGL :- 245.50 Meter	
12. 90mm dia uPVC :- 175.5x 2 = 351.0 Meter	
13. Date of Lowering :- 26/11/2023	

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

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- PACHPERWA, BLOCK- LAKHIMPUR, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 245 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 21.Nov.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 = 24.59 Ohms.

Drilling Water Resistivity = 25.87 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
	10 - 15	5	Fine to Medium sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 40	20	Medium sand	Good
5.	40 - 51	11	Clay kankar	
6.	51 - 62*	9	Medium sand	Good
7.	62 - 68	6	Clay kankar	
8.	68 - 75*	7	Medium sand	Good
9.	75 - 83	8	Clay kankar	
10.	83 - 98*	15	Medium sand	Good
11.	98 - 100	2	Clay kankar	
12.	100 - 110*	10	Medium sand	Good
13.	110 - 115	5	Clay kankar	
14.	115 - 131*	16	Medium sand	Good
15.	131 - 140	9	Clay kankar	
16.	140 - 154*	14	Medium sand	Good
17.	154 - 165	11	Clay kankar	
18.	165 - 172*	7	Medium sand	Good
19.	172 - 191	19	Clay kankar	
20.	191 - 197*	6	Medium sand	Good
21.	197 - 216	19	Clay kankar	
22.	216 - 220*	4	Medium sand	Good
23.	220 - 230	10	Clay kankar	
24.	230 - 240*	10	Medium sand	Good
25.	240 - 245	5	Clay kankar	

Ground Water Survey Consultancy

