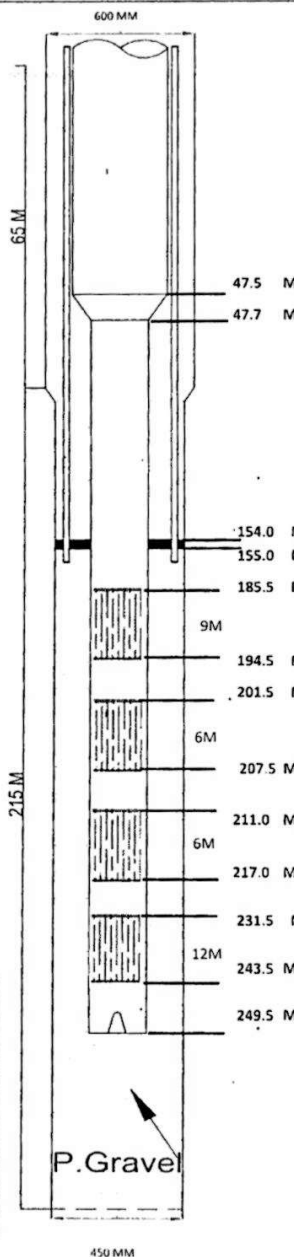


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. SAIDAPUR DEVKALI, 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 :- Celnsys Tech Limited  
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021  
 Cover Agreement :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

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

Strata		
0 - 5	M. Surface Soil	
5 - 9	M. Fine Sand	
9 - 22	M. Clay Kankar	
22 - 37	M. Medium Sand	
37 - 47	M. Clay Kankar	
47 - 50	M. Fine to Medium Sand	
50 - 58	M. Clay Kankar	
58 - 61	M. Fine to Medium Sand	
61 - 68	M. Clay Kankar	
68 - 74	M. Medium Sand	
74 - 80	M. Clay Kankar	
80 - 90	M. Medium Sand	
90 - 99	M. Clay Kankar	
99 - 110	M. Medium Sand & Kankar	
110 - 120	M. Clay Kankar	
120 - 130	M. Medium Sand	
130 - 142	M. Clay Kankar	
142 - 154	M. Medium Sand	
154 - 163	M. Clay Kankar	
163 - 170	M. Fine to Medium Sand	
170 - 185	M. Clay Kankar	
185 - 195	M. Medium Sand	
195 - 201	M. Clay Kankar	
201 - 208	M. Medium Sand	
208 - 211	M. Clay Kankar	
211 - 217	M. Medium Sand	
217 - 231	M. Clay Kankar	
231 - 247	M. Medium Sand	
247 - 270	M. Clay Kankar	



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1130 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 27-10-2023
7	Drilling Completion Date	:- 31-10-2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 01-11-2023
10	Logging Depth	:- 270 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	120 - 130	10	(Good All)
2	142 - 154	12	
3	163 - 170	7	
4	185 - 195	10	
5	201 - 208	7	
6	211 - 217	6	
7	231 - 247	16	

SI No	Description	Zone-1	Zone-2	Zone-3
		(231-247 M) Acceptable Limit / Test result	(185-195 M) Acceptable Limit / Test result	(163-170 M) Acceptable Limit / Test result
1	Fluoride (as F <sup>-</sup> )	1/298	1/31	1/429
2	Iron (As Fe <sup>2+</sup> )	1/542	1/812	1/280
3	Total Arsenic (As As)	0.017024	0.017368	0.017012

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	33.0 M
iii)	150	MM Dia M. S. Plain pipe	168.8 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total	250.00 m
		AGL	0.50 m
		BGL	249.50 m
12	90mm dia uPVC		314.00
13	Date of Lowering		07-11-2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd.

M/S Celnsys Tech Ltd

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

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

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAIDAPUR DEVKALI, BLOCK- LAKHIMPUR, DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 270 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.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 = 24.86 Ohms.

Drilling Water Resistivity = 25.39 Ohms.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Fine sand	
3.	9 - 22	13	Clay kankar	
4.	22 - 37	15	Medium sand	Good
5.	37 - 47	10	Clay kankar	
6.	47 - 50	3	Fine to Medium sand	Good
7.	50 - 58	8	Clay kankar	
8.	58 - 61*	3	Fine to Medium sand	Good
9.	61 - 68	7	Clay kankar	
10.	68 - 74*	6	Medium sand	Good
11.	74 - 80	6	Clay kankar	
12.	80 - 90*	10	Medium sand	Good
13.	90 - 99	9	Clay kankar	
14.	99 - 110*	11	Medium sand & kankar	Good
15.	110 - 120	10	Clay kankar	
16.	120 - 130*	10	Medium sand	Good
17.	130 - 142	12	Clay kankar	
18.	142 - 154*	12	Medium sand	Good
19.	154 - 163	9	Clay kankar	
20.	163 - 170*	7	Fine to Medium sand	Good
21.	170 - 185	15	Clay kankar	
22.	185 - 195*	10	Medium sand	Good
23.	195 - 201	6	Clay kankar	
24.	201 - 208*	7	Medium sand	Good
25.	208 - 211	3	Clay kankar	
26.	211 - 217*	6	Medium sand	Good
27.	217 - 231	14	Clay kankar	
28.	231 - 247*	16	Medium sand	Good
29.	247 - 270	23	Clay kankar	

Ground Water Survey Consultancy

