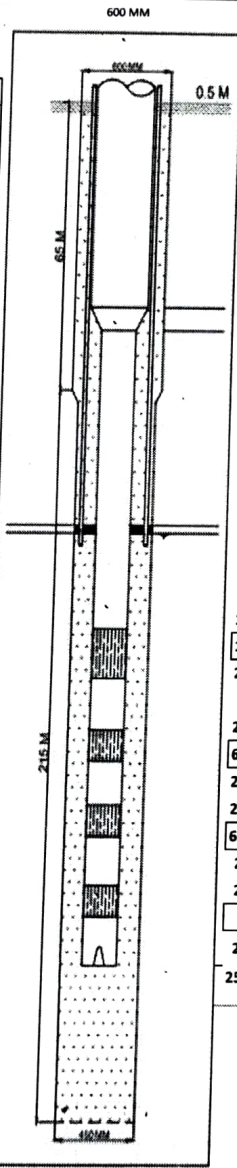


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. RAMIA BEHAR, Block- Ramia behar, District, Lakhimpur Kheri.  
 Name Of Program :- J. J. M-2 *Zone-1*  
 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 :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

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

Sl No	Strata			
1	0	5	M	Surface Soil
2	5	12	M	Clay Kankar
3	12	40	M	Medium Sand
4	40	47	M	Clay Kankar
5	47	77	M	Medium Sand
6	77	82	M	Clay Kankar
7	82	88	M	Fine to Med. Sand
8	88	92	M	Clay Kankar
9	92	96	M	Fine to Med. Sand
10	96	100	M	Clay Kankar
11	100	106	M	Fine to Med. Sand
12	106	110	M	Clay Kankar
13	110	131	M	Medium Sand
14	131	136	M	Clay Kankar
15	136	143	M	Medium Sand
16	143	153	M	Clay Kankar
17	153	170	M	Medium Sand
18	170	173	M	Clay Kankar
19	173	177	M	Fine to Med. Sand
20	177	192	M	Clay Kankar
21	192	210	M	Medium Sand
22	210	216	M	Clay Kankar
23	216	223	M	Medium Sand
24	223	230	M	Clay Kankar
25	230	236	M	Medium Sand
26	236	245	M	Clay Kankar
27	245	250	M	Medium Sand
28	250	255	M	Clay Kankar
29	255	280	M	<i>Shc Y Jay</i>



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1160 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	18-02-2024
7	Drilling Completion Date	:-	22-02-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	23-02-2024
10	Logging Depth	:-	255 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	47 - 77	30	All Good
2	82 - 88	6	
3	92 - 96	4	
4	100 - 106	6	
5	110 - 131	21	
6	136 - 143	7	
7	153 - 170	17	
8	173 - 177	4	
9	192 - 210	18	
10	216 - 223	7	
11	230 - 236	6	
12	245 - 250	5	

12.0 M
209.5 M
216.5 M
6.0 M
222.5 M
230.0 M
6.0 M
236.0 M
245.0 M
5.0 M
11

Details of Lowered Assembly			
250.0 M	i)	300	MM Dia Housing Pipe :- 54.0 M
256.0 M	ii)	150	MM Dia M. S. Slotted pipe :- 29.0 M
	iii)	150	MM Dia M. S. Plain pipe :- 173.3 M
	iv)	300 X 150	MM Dia M S Reducer :- 0.2 M
		Total	256.50 Meter
		AGL	0.50 Meter
		BGL	256.00 Meter
12	90 MM Dia UPVC	:-	147.50 295.00 Meter
13	Date of Lowering	:-	14.03.2024

Description	Zone-1	Zone-2	Zone-3
	(216-223 M)	(192-210 M)	(153-170 M)
Flouride (As F)*	1.00/0.714	1.00/0.742	1.00/0.845
Iron (As Fe)*	1.00/0.530	1.00/0.860	1.00/1.220
Total Arsenic (As As)*	0.01/0.008	0.01/0.010	0.01/0.014

Recommended & Prepared by: M/S. NCC Ltd.  
 Verified by: J.E. *[Signature]* 13th Division UP Jal Nigam (R) Lucknow  
 Recommended by: A.E. 13th Division UP Jal Nigam (R) Lucknow  
 Approved by: E.E. 13th Division U.P. Jal Nigam (R) Lucknow

**VIKAS KR. YADAV**  
 JUNIOR ENGINEER  
 DIVISIONAL OFFICE (E&M)  
 U.P. JAL NIGAM (R)  
 LUCKNOW

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- RAMIYABEHAR, BLOCK- RAMIYABEHAD, DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 255 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 23.Feb.2024.

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 = 16.65 Ohms.

Drilling Water Resistivity = 24.50 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 40	28	Medium sand	Good
4.	40 - 47	7	Clay kankar	
5.	47 - 77*	30	Medium sand	Good
6.	77 - 82	5	Clay kankar	
7.	82 - 88*	6	Fine to medium sand	Good
8.	88 - 92	4	Clay kankar	
9.	92 - 96*	4	Fine to medium sand	Good
10.	96 - 100	4	Clay kankar	
11.	100 - 106*	6	Fine to medium sand	Good
12.	106 - 110	4	Clay kankar	
13.	110 - 131*	21	Medium sand	Good
14.	131 - 136	5	Clay kankar	
15.	136 - 143*	7	Medium sand	Good
16.	143 - 153	10	Clay kankar	
17.	153 - 170*	13	Medium sand	Good
18.	170 - 173	3	Clay kankar	
19.	173 - 177*	4	Fine to medium sand	Good
20.	177 - 192	15	Clay kankar	
21.	192 - 210*	18	Medium sand	Good
22.	210 - 216	6	Clay kankar	
23.	216 - 223*	7	Medium sand	Good
24.	223 - 230	7	Clay kankar	
25.	230 - 236*	6	Medium sand	Good
26.	236 - 245	9	Clay kankar	
27.	245 - 250*	5	Medium sand	Good
28.	250 - 255	5	Clay kankar	

Ground Water Survey Consultancy

