

### Completion Plan Of Tubewell

**Name Of Work :-** Construction of T. W. of G.P. KIRATPUR, 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 Dt. 12.03.2021  
**Cover Agreement :-** 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

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

Strata			
0	-	5	M, Surface Soil
5	-	10	M, Clay Kankar
10	-	31	M, Medium Sand
31	-	48	M, Clay Kankar
48	-	67	M, Medium Sand
67	-	78	M, Clay Kankar
78	-	83	M, Fine to Medium Sand
83	-	90	M, Clay Kankar
90	-	140	M, Medium Sand
140	-	144	M, Clay Kankar
144	-	164	M, Medium Sand
164	-	186	M, Clay Kankar
186	-	203	M, Medium Sand
203	-	212	M, Clay Kankar
212	-	237	M, Medium Sand & Kankar
237	-	255	M, Clay Kankar

  

SI No	Description	Zone-1 (212-237 M) Acceptable Limit / Test result	Zone-2 (186m to 203 M) Acceptable Limit / Test result	Zone-3 (144m to 164 m) Acceptable Limit / Test result
1	Fluoride (as F)*	1/0.652	1/0.695	1/0.652
2	Iron (As Fe)*	1/0.580	1/0.890	1/0.580
3	Total Arsenic (As As)	0.01/0.007	0.01/0.010	0.01/0.007

  

ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	350 LPM
4	Bore Size (MM)	:-	500 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	23-11-23
7	Drilling Completion Date	:-	27-11-23
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	28-11-23
10	Logging Depth	:-	255 M

  

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	48 - 67	19	(Good All)
2	78 - 83	5	
3	90 - 140	50	
4	144 - 164	20	
5	186 - 203	17	
6	212 - 237	25	

  

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	:- 54.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 18.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 169.8 M
iv)	200 X 150	MM Dia M S Reducer	:- 0.2 M
		Total	:- 242.00 m
		AGL	:- 0.50 m
		BGL	:- 241.50 m

  

12	Date of Lowering	:-	29-11-23
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**Recommended & Prepared by**

M/S. NCC Ltd.

**Verified by**

M/S. Ceinsys Tech Ltd.

*(Signature)*

J.E.

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

**Recommended by**

A.E.

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

**Approved by**

c.e.

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KIRATPUR, BLOCK- NAKAHA, 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 28.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 = 19.30 Ohms.

Drilling Water Resistivity = 20.77 Ohms.

Approx Water Level = 3 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 - 31	21	Medium sand	Good
4.	31 - 48	17	Clay kankar	
5.	48 - 67*	19	Medium sand	Good
6.	67 - 78	11	Clay kankar	
7.	78 - 83*	5	Fine to Medium sand	Good
8.	83 - 90	7	Clay kankar	
9.	90 - 140*	50	Medium sand	Good
10.	140 - 144	4	Clay kankar	
11.	144 - 164*	20	Medium sand	Good
12.	164 - 186	22	Clay kankar	
13.	186 - 203*	17	Medium sand	Good
14.	203 - 212	9	Clay kankar	
15.	212 - 237*	25	Medium sand & kankar	Good
16.	237 - 255	18	Clay kankar	

Ground Water Survey Consultancy

