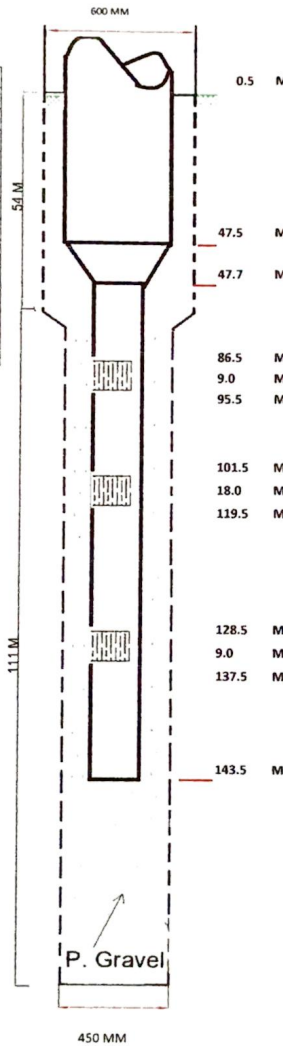


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Dhakhekha Nankar, Block- Ramia Behar, 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 :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023

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

Strata		
45	5	M, Surface Soil
5	20	M, Clay
20	40	M, Medium Sand
40	42	M, Clay Kankar
42	77	M, Med Sand, Kankar
77	85	M, Clay Kankar
85	96	M, Medium Sand
96	100	M, Clay Kankar
100	122	M, Medium Sand
122	125	M, Clay Kankar
125	145	M, Medium Sand
145	150	M, Clay Kankar
150	157	M, Medium Sand
156	165	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1280 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	24-04-2023
7	Drilling Completion Date	:-	28-04-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	29-04-2023
10	Logging Depth	:-	157 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	45 75	30	All Good
2	85 96	11	
3	100 122	22	
4	125 145	20	
5	150 157	7	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	200	MM Dia M. S. Slotted pipe	36.0 M
iii)	200	MM Dia M. S. Plain pipe	59.8 M
iv)	300 X	MM Dia M. S. Reducer	0.2 M
		Total	144.00 Meter
		AGL	0.50 Meter
		BGL	143.50 Meter
12	Date of Lowering	:-	30-04-2023

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

**Introduction :**

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~157~~ 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 29.April.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 = 24.60 Ohms.

Drilling Water Resistivity = 25.47 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 - 20	15	Clay	
3.	20 - 40	20	Medium sand	Good
4.	40 - 42	2	Clay kankar	
<del>5.</del>	42 - 77*	35	Medium sand & kankar	Good
6.	77 - 85	8	Clay kankar	
<del>7.</del>	85 - 96*	11	Medium sand	Good
8.	96 - 100	4	Clay kankar	
<del>9.</del>	100 - 122*	22	Medium sand	Good
10.	122 - 125	3	Clay kankar	
<del>11.</del>	125 - 145*	20	Medium sand	Good
12.	145 - 150	5	Clay kankar	
<del>13.</del>	150 - 157*	7	Medium sand	Good

SrNO 5-45-75(20m)

Highly kankar

G.Sh  
01/05/23



- Logging performed as per SWSM guidelines  
- Groundwater quality interpreted by firm as per their logger calibration.