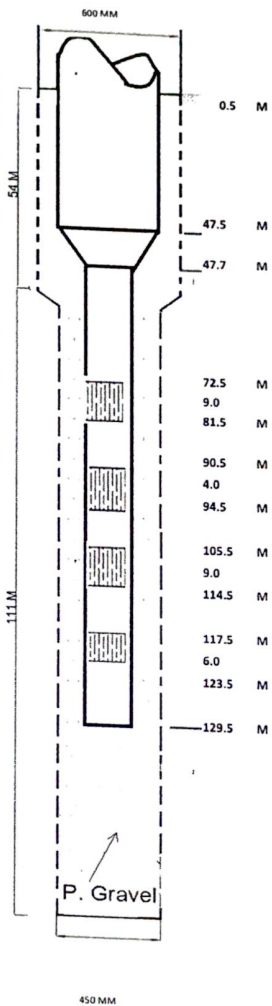


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Ram Nagar, Block- Palla, 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 :- 245/ED/2021-22/IV Dt. 20 January, 2022

**Lowered Assembly Chart of T. W of Ram Nagar G.P W/S Scheme Dist. :- Lakhimpur Kheri.**

Strata			
Depth (mbgl)		Thick	
0	-	5	M Surface Soil
5	-	12	M Fine To Medium Sand
12	-	24	M Clay Kankar
24	-	31	M Medium Sand
31	-	54	M Clay Kankar
54	-	64	M Medium Sand
64	-	72	M Clay Kankar
72	-	82	M Medium Sand
82	-	90	M Clay Kankar
90	-	96	M Medium Sand
96	-	105	M Clay Kankar
105	-	115	M Medium Sand
115	-	117	M Clay Kankar
117	-	124	M Medium Sand
124	-	126	M Clay Kankar
126	-	130	M Fine Sand
130	-	137	M Clay Kankar
137	-	150	M Medium Sand
150	-	165	M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	DC/RC
2	Static Water level	
3	Required Discharge	850 LPM
4	Bore Size (MM)	600 X 450
5	Assembly Size (MM)	300 X 150
6	Drilling Starting Date	15-12-2022
7	Drilling Completion Date	19-12-2022
8	Total Depth Of Drilling	170 M
9	Logging Date	20-12-2022
10	Logging Depth	165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	54 64	10	All Good
2	72 82	10	
3	90 96	6	
4	105 115	10	
5	117 124	7	
6	137 150	13	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	28.0 M
iii)	150	MM Dia M. S. Plain pipe	53.9 M
iv)	300 X 150	MM Dia M. S. Reducer	0.2 M
		Total	130.00 Meter
		AGL	0.50 Meter
		BGL	129.50 Meter
12	Date of Lowering		21.12.2022

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd.

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- RAM NAGAR, BLOCK- PALIA KALAN,  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 165 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 20.Dec.2022.

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 = 22.17 Ohms.

Drilling Water Resistivity = 23.72 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Fine to Medium sand	
3.	12 - 24	12	Clay kankar	
4.	24 - 31	7	Medium sand	Medium
5.	31 - 54	23	Clay kankar	
6.	54 - 64*	10	Medium sand	Medium
7.	64 - 72	8	Clay kankar	
8.	72 - 82*	10	Medium sand	Medium
9.	82 - 90	8	Clay kankar	
10.	90 - 96*	6	Medium sand	Medium
11.	96 - 105	9	Clay kankar	
12.	105 - 115*	10	Medium sand	Medium
13.	115 - 117	2	Kankar	
14.	117 - 124*	7	Medium sand	Medium
15.	124 - 126	2	Clay kankar	
16.	126 - 130	4	Fine sand	Medium
17.	130 - 137	7	Clay kankar	
18.	137 - 150*	13	Medium sand	Medium
19.	150 - 165	15	Clay kankar	

Ground Water Survey Consultancy  
Agra



Logging performed  
as per SWSM guidelines.  
GSC  
21/12/22