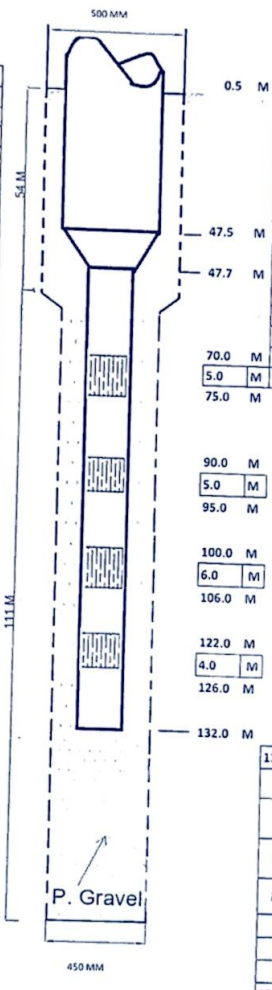


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. KAJARIYA, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023

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

Strata		
0	5	M Surface Soil
5	12	M Medium Sand
12	28	M Clay Kankar
28	33	M Medium Sand
33	70	M Clay Kankar
70	75	M med. Sand & Kankar
75	90	M Clay Kankar
90	95	M Fine to Med. Sand
95	100	M Clay Kankar
100	106	M Fine to Med. Sand
106	122	M Clay Kankar
122	126	M Fine to Med. Sand
126	132	M Clay Kankar
132	137	M Medium Sand
137	146	M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 540 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 X 150
6	Drilling Starting Date	:- 09-06-2023
7	Drilling Completion Date	:- 13-06-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 14-06-2023
10	Logging Depth	:- 146 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	70 - 75	5	All Good
2	90 - 95	5	
3	100 - 106	6	
4	122 - 126	4	
5	132 - 137	5	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 20.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 64.3 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	:- 132.50 Meter
		AGL	:- 0.50 Meter
		BGL	:- 132.00 Meter
12	Date of Lowering	:-	08.03.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd.

M/S. Ceinsys Tech Ltd.

J.E  
13th Division UP Jal Nigam (R)  
Lucknow

A.E  
13th Division UP Jal Nigam (R)  
Lucknow

E.E  
13th Division U.P. Jal Nigam (R)  
Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAJARIYA, BLOCK- PALIYA,  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~146~~ 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 14.Jun.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 = ~~26.63~~ Ohms.

Drilling Water Resistivity = ~~27.73~~ 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 - 12	7	Medium sand	Good
3.	12 - 28	16	Clay kankar	
4.	28 - 33*	5	Medium sand	Good
5.	33 - 70	37	Clay kankar	
<del>6.</del>	<del>70 - 75*</del>	<del>5</del>	<del>Medium sand &amp; kankar</del>	<del>Good</del>
<del>7.</del>	<del>75 - 90</del>	<del>15</del>	<del>Clay kankar</del>	
<del>8.</del>	<del>90 - 95*</del>	<del>5</del>	<del>Fine to Medium sand</del>	<del>Good</del>
9.	95 - 100	5	Clay kankar	
<del>10.</del>	<del>100 - 106*</del>	<del>6</del>	<del>Fine to Medium sand</del>	<del>Good</del>
11.	106 - 122	16	Clay kankar	
<del>12.</del>	<del>122 - 126*</del>	<del>4</del>	<del>Fine to Medium sand</del>	<del>Good</del>
13.	126 - 132	6	Clay kankar	
<del>14.</del>	<del>132 - 137*</del>	<del>5</del>	<del>Medium sand</del>	<del>Good</del>
15.	137 - 146	9	Clay kankar	

GSh  
15/06/23

Ground Water Survey Consultancy



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