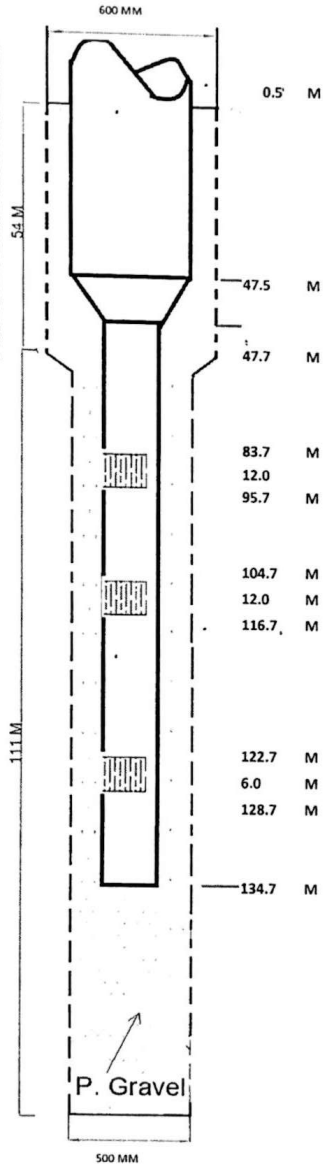


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Sujai Kunda, 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 :- 162/ED/Phase-2/2022-23/VII, Dt. 22.10.2022

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

Strata		
0	5	M Surface Soil
5	9	M Clay Kankar
9	25	M Medium Sand
25	30	M Clay Kankar
30	71	M Medium Sand
71	80	M Clay Kankar
80	134	M Medium Sand & Kankar
134	143	M Clay Kankar
143	161	M Medium Sand & Kankar
161	165	M Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	1250 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	06-05-2023
7	Drilling Completion Date	:-	10-05-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	11-05-2023
10	Logging Depth	:-	165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	30 71	41	All Good
2	80 134	54	
3	143 161	18	
4			

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	200	MM Dia M. S. Slotted pipe	:- 30.0 M
iii)	200	MM Dia M. S. Plain pipe	:- 57.0 M
iv)	300 X	MM Dia M S Reducer	0.2 M
		Total :-	135.20 Meter
		AGL :-	0.50 Meter
		BGL :-	134.70 Meter
12	Date of Lowering	:-	12-05-2023

Recommended & Prepared by

M/S. NCC Ltd.

Verified by

M/S. Ceinsys Tech Ltd

Recommended by

13th Division UP Jal Nigam (R) Lucknow

Approved by

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- SUJAI KUNDA, BLOCK- RAMIYABEHAD,  
DISTT-LAKHIMPUR KHIRI

UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 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 11.May.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 = 20.46 Ohms.

Drilling Water Resistivity = 21.63 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 - 9	4	Clay kankar	
3.	9 - 25	16	Medium sand	Good
4.	25 - 30	5	Kankar	
<del>5.</del>	30 - 71*	41	Medium sand	Good
<del>6.</del>	71 - 80	9	Clay kankar	
<del>7.</del>	80 - 134*	54	Medium sand & kankar	Good
<del>8.</del>	134 - 143	9	Clay kankar	
<del>9.</del>	143 - 161*	18	Medium sand & kankar	Good
10.	161 - 165	4	Clay kankar	



- Logging performed as per SWSM guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration.  
G.S.H  
12/05/23