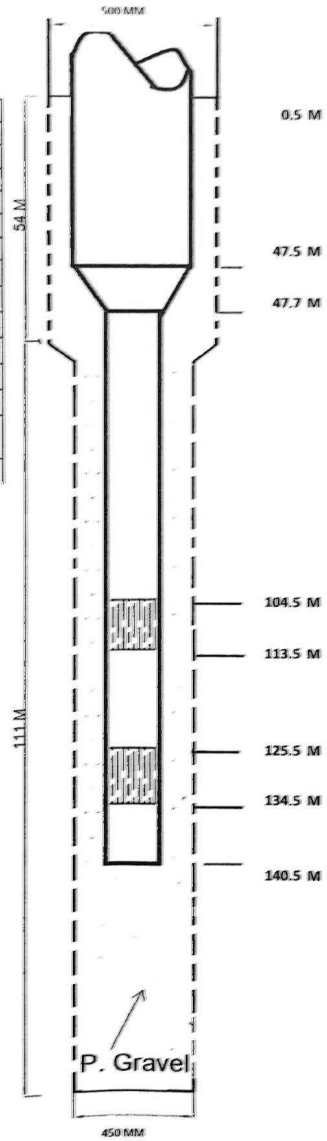


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Jaiti, Block- Mohammadi, 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 :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

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

Strata		
0 - 5	M,	Surface Soil
5 - 15	M,	Dry Sand
15 - 17	M,	Clay Kankar
17 - 20	M,	Medium Sand
20 - 25	M,	Clay Kankar
25 - 35	M,	Medium Sand
35 - 47	M,	Clay Kankar
47 - 77	M,	Medium Sand & Kankar
77 - 102	M,	Clay Kankar
102 - 116	M,	Medium Sand
116 - 125	M,	Clay Kankar
125 - 135	M,	Medium Sand
135 - 140	M,	Clay Kankar
140 - 145	M,	Medium Sand



ABSTRACT			
1	Type of Rig Machine	:-	DC/PC
2	Static Water level	:-	
3	Required Discharge	:-	43% LPM
4	Bore Size (MM)	:-	500 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	25-07-2023
7	Drilling Completion Date	:-	29-07-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	30-07-2023
10	Logging Depth	:-	146 M

Logging Report				
Sl No	Depth (mbgl)		Thickness (m)	Remarks
1	17	20	3	(Good All)
2	25	35	10	
3	47	77	30	
4	102	116	14	
5	125	135	10	
6	140	145	5	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	18.0 M
iii)	150	MM Dia M. S. Plain pipe	74.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total			141.00 Meter
AGL			0.50 Meter
BGL			140.50 Meter
12	Date of Lowering		31-07-2023

Recommended & Prepared by  
M/S. NCC Ltd.

Verified by  
M/S. Ceinsys Tech Ltd.

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

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Assistant Engineer  
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U.P. Jal Nigam (R)  
Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAITI, BLOCK- MOHAMMADI, DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 143 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 30.July.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 = 22.19 Ohms.

Drilling Water Resistivity = 23.45 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 17	2	Clay kankar	
4.	17 - 20	3	Medium sand	
5.	20 - 25	5	Clay kankar	
6.	25 - 35	10	Medium sand	Good
7.	35 - 47	12	Clay kankar	
8.	47 - 77*	30	Medium sand & kankar	Good
9.	77 - 102	25	Clay kankar	
10.	102 - 116*	14	Medium sand	Good
11.	116 - 125	9	Clay kankar	
12.	125 - 135*	10	Medium sand	Good
13.	135 - 140	5	Clay kankar	
14.	140 - 145*	5	Medium sand	Good

