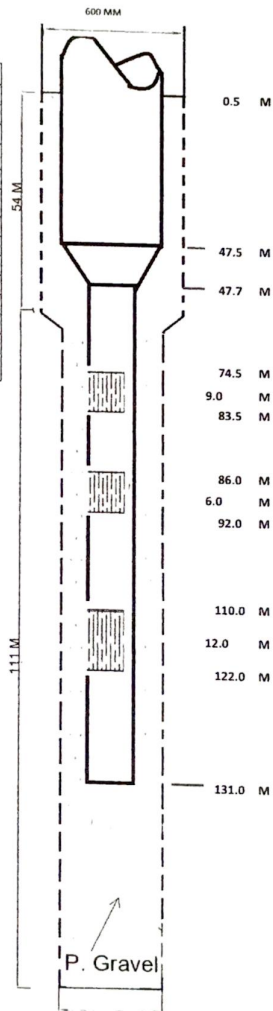


**Completion Plan Of Tubewell**

**Name Of Work** :- Construction of T. W. of G.P. Barhaidih, Block- Nakaha, 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** :- 157/ED/2021-22 Dt. 09 October, 2021

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

Depth (mbgl)		Strata	
		Thick	
0	- 5	5	M Surface Soil
5	- 10	5	M Clay Kankar
10	- 30	20	M Medium Sand
30	- 40	10	M Clay Kankar
40	- 43	3	M Medium Sand
43	- 50	7	M Clay Kankar
50	- 65	15	M Medium Sand
65	- 74	9	M Clay Kankar
74	- 93	19	M Medium Sand
93	- 110	17	M Clay Kankar
110	- 122	12	M Medium Sand
122	- 143	21	M Fine Sand
143	- 155	12	M Medium Sand
155	- 165	10	M Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 800 LPM
4	Bore Size (MM)	:- 600 X 500
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 31-10-2023
7	Drilling Completion Date	:- 04-11-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 05-11-2023
10	Logging Depth	:- 160 M - 165.0 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	50 - 65	15	All Good
2	74 - 93	19	
3	110 - 122	12	
	143 - 155	12	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	200	MM Dia M S Slotted pipe	:- 27.0 M
iii)	200	MM Dia M S Plain pipe	:- 56 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
Total		:-	131.50 Meter
AGL		:-	0.50 Meter
BGL		:-	131.00 Meter
12	Date of Lowering	:-	06 11 2023

**Recommended & Prepared by**  
M/S. NCC Ltd.

**Verified by**  
M/S Ceinsys Tech Ltd.

**Recommended by**  
JE  
13th Division UP Jal Nigam (R)  
Lucknow

**Approved by**  
A E  
13th Division U.P. Jal Nigam (R) Lucknow

VIKAS KR. YADAV  
 JUNIOR ENGINEER  
 DIVISIONAL OFFICE (R)  
 U.P. JAL NIGAM (R)  
 LUCKNOW

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BARHAIDIH, BLOCK- NAKAHA, 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 05.Nov.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 = 21.63 Ohms.

Drilling Water Resistivity = 22.77 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 - 10	5	Clay kankar	
3.	10 - 30	20	Medium sand	Good
4.	30 - 40	10	Clay kankar	
5.	40 - 43	3	Medium sand	Good
6.	43 - 50	7	Clay kankar	
7.	50 - 65*	15	Medium sand	Good
8.	65 - 74	9	Clay kankar	
9.	74 - 93*	19	Medium sand	Good
10.	93 - 110	17	Clay kankar	
11.	110 - 122*	12	Medium sand	Good
12.	122 - 143	21	Fine sand	
13.	143 - 155*	12	Medium sand	Good
14.	155 - 165	10	Clay kankar	

Ground Water Survey Consultancy

