

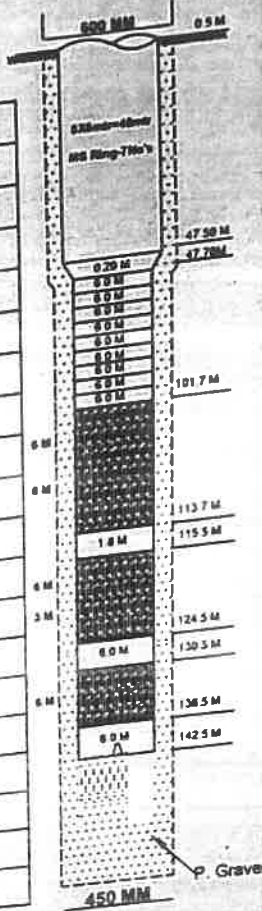
## COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Islamabad, Block-Mohammadi, District, Lakhimpur.  
 Name of Program :- J. J. M-3  
 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  
 Cover Agreement :- 160/ED/Phase-3/2022-23/IV Dt. 22.10.2022

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

### Strata

0-5 mtr Surface soil
5-10 mtr Clay Kankar
10-22 mtr Fine to Medium Sand
22-25 mtr Clay Kankar
25-37 mtr Medium Sand
37-44 mtr Clay Kankar
44-46 mtr Medium Sand
46-52 mtr Clay Kankar
52-64* mtr Medium Sand
64-68 mtr Clay Kankar
68-74* mtr Medium Sand
74-85 mtr Clay Kankar
85-92* mtr Medium Sand
92-95 mtr Clay Kankar
95-125* mtr Highly Kankar Intermud
125-129 mtr Clay Kankar
130-137 mtr Medium Sand
138-150 mtr Clay Kankar
150-156* mtr Medium Sand
156-165 mtr Sandy Clay



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 800 LPM
3	Bore Size (MM) :- 600/450
4	Assembly Size (MM) :- 300 x 150
5	Drilling Starting Date :- 12.01.2023
6	Drilling Completion Date :- 15.01.2023
7	Total Depth Of Drilling :- 165 M
8	Logging Date :- 16.01.2023
9	Logging Depth :- 165 M

Logging Report By Ground Water Investigation Center			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	0-5	05	Good
2	5-10	05	Good
3	10-22	12	Good
4	22-25	03	Good
5	25-37	12	Good
6	37-44	07	Good
7	44-46	02	Good
8	46-52	06	Good
9	52-64*	12	Good
10	64-68	04	Good
11	68-74*	06	Good
12	74-85	11	Good
13	85-92*	07	Good
14	92-95	03	Good
15	95-125*	30	Good
16	125-129	04	Good
17	130-137	09	Good
18	138-150	12	Good
19	150-156*	06	Good
20	156-165	09	Good

(G. Shukla)  
 Verified by Asst. Hydrologist  
 Circle Office (E&M) U.P. Jal  
 Nigam (Rural)

(A.K. Singh)  
 Verified by Geophysicist  
 GIC Lucknow

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.0 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 27.00 Meter
iii)	150 mm Dia M. S. Plain pipe :- 67.80 Meter
iv)	300 x 150 mm Dia M. S. Reducer :- 0.20 Meter
Total :- 143.00 Meter	
AGL :- 00.50 Meter	
BGL :- 142.50 Meter	
12.	Date of Lowering :- 21.01.2023

Recommended  
&  
Prepared by  
*[Signature]*  
M/S Ceinsys Tech Ltd

Verified by

*[Signature]*  
JE  
13th Division U.P. Jal  
Nigam (R) Lucknow

Recommended by

*[Signature]*  
JE  
13th Division U.P. Jal  
Nigam (R) Lucknow

Approved by

*[Signature]*  
EE  
13th Division U.P. Jal Nigam  
(R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

*Ishlambad*  
GRAM PANCHAYAT - BASBIRWA, BLOCK - MOHAMMDI, 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 16 Jan. 2023.

Logging Parameters - 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 = ~~23.63~~ Ohms.

Drilling Water Resistivity = ~~24.72~~ 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 - 10	5	Clay kankar	
3.	10 - 22	12	Fine to Medium sand	
4.	22 - 25	3	Clay kankar	
5.	25 - 37	12	Medium sand	Good
6.	37 - 44	7	Clay kankar	
7.	44 - 46	2	Medium sand	Good
8.	46 - 52	6	Clay kankar	
9.	52 - 64*	12	Medium sand	Good
10.	64 - 68	4	Clay kankar	
11.	68 - 74*	6	Medium sand	Good
12.	74 - 85	11	Clay kankar	
13.	85 - 92*	7	Medium sand	Good
14.	92 - 95	3	Clay kankar	
15.	95 - 125*	30	Medium sand	Good
16.	125 - 129	4	Clay kankar	
17.	129 - 138*	9	Medium sand	Good
18.	138 - 150	12	Clay kankar	
19.	150 - 156*	6	Medium sand	Good
20.	156 - 165	9	Sandy clay	

Sr No 15 - Highly kankar  
intermixed.

Sr No 17 - 130 - 137



Logging performed as per  
SWSM guidelines.  
Groundwater quality  
interpreted by firm so  
per their logger calibration  
Scanned with CamScanner 9/2/23