

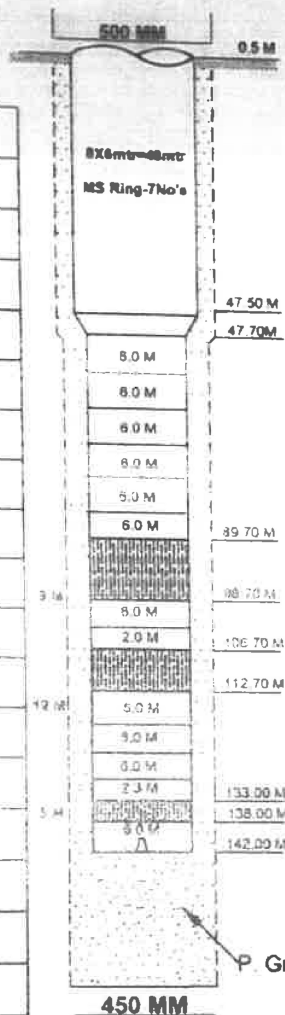
## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Mura Dhamu, Block-Lakhimpur, 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** :- 358/ED/Phase-3/2022-23/XIV Dt. 03.02.2023

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

### Strata

0-5 mtr Surface Soil
5-21 mtr medium sand & kankar
21-25 mtr clay
25-30mtr fine sand
30-32 mtr clay
32-38 mtr medium sand
38-41 mtr clay kankar
41- 53* mtr medium sand
53-58 mtr clay kankar
58-70* mtr medium sand
70-72 mtr kankar
72-102** mtr medium sand
102-106 mtr kankar
106-115* mtr medium sand
115-133 mtr clay kankar
133-136* mtr fine to medium sand
136-145 mtr clay kankar
145-155* mtr medium sand
155-165 mtr clay kankar



### ABSTRACT

1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 440 LPM
3	Bore Size (MM)	:- 500x450
4	Assembly Size (MM)	:- 200 x 150
5	Drilling Starting Date	:- 15.12.2022
6	Drilling Completion Date	:- 18.12.2022
7	Total Depth Of Drilling	:- 170 M
8	Logging Date	:- 19.12.2022
9	Logging Depth	:- 165 M

### Logging Report By Ground Water Investigation Center

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	41-53	12	good
2	58-70	12	good
3	72-102	30	good
4	106-115	9	good
5	133-136	3	good
6	145-153	10	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) 200 mm Dia Housing Pipe	:- 48.0 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 24.00Meter
iii) 150 mm Dia M. S. Plain pipe	:- 70.30Meter
iv) 200 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total :- 142.50 Meter	
AGI :- 00.50 Meter	
BGL :- 142.00 Meter	
12. Date of Lowering	:- 22-12-2022



Verified by

M/s Ceinsys Tech Ltd

Recommended by

J.E  
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 RANJITPUR MI - MIRA DIHAMU, BLOCK - LAKHIMPUR KHIRI  
DISTT - LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 170 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 19 Dec. 2022.

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 = 26.82 Ohms.

Drilling Water Resistivity = 29.33 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Medium sand & kankar	
3.	21 - 25	4	Clay	
4.	25 - 30	5	Fine sand	
5.	30 - 32	2	Clay	
6.	32 - 38	6	Medium sand	
7.	38 - 41	3	Clay kankar	
8.	41 - 53*	12	Medium sand	Good
9.	53 - 58	5	Clay kankar	
10.	58 - 70*	12	Medium sand	Good
11.	70 - 72	2	Kankar	
12.	72 - 102*	30	Medium sand	Good
13.	102 - 106	4	Kankar	
14.	106 - 115*	9	Medium sand	Good
15.	115 - 133	18	Clay kankar	
16.	133 - 136*	3	Fine to Medium sand	Good
17.	136 - 145	9	Clay kankar	
18.	145 - 155*	10	Medium sand	Good
19.	155 - 165	10	Clay kankar	

Sr No 8 - 45 - (8m)

Sr No 10 - 60 - 70 (10m) Ground Water Survey Consultancy  
Agra

Sr No 12 - 80 - 102 (22m)  
Kankar intermixed

VJL  
/

Logging performed as per  
SWSM guidelines  
Gw quality interpreted  
as per as per their logs

44  
142  
150

Pluto ~~50~~ Dharma, Ekka-Lakshmi, 1988

49 dm - 490 Ldm.

Rise - 200  $\frac{200}{18}$

L. depn - 165 ml

Area - 10  $\frac{10}{2}$

41 - 53 = 12 ( $\frac{45-53}{-8}$ )

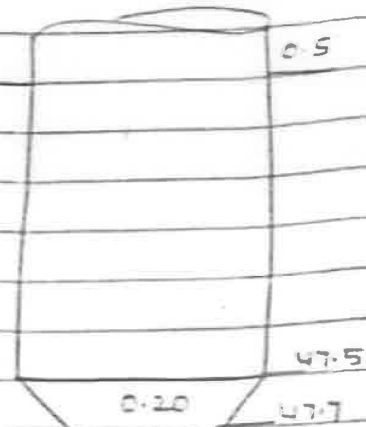
59 - 70 = 12 ( $\frac{60-70}{-10}$ )

72 - 102 = 30 ( $\frac{80-102}{-22}$ )  $\div 9$

106 - 115 = 9  $\div 6$

133 - 136 = 3  $\div 3$

145 - 155 = 10



	0.20	47.5
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	
	6.0	89.7
6.0		
2.0		98.7
	6.0	
	2.0	
6.0		106.7
	6.0	112.7
	6.0	
	6.0	
	3.3	133.0
3.0		136.0
	6.0	139.0