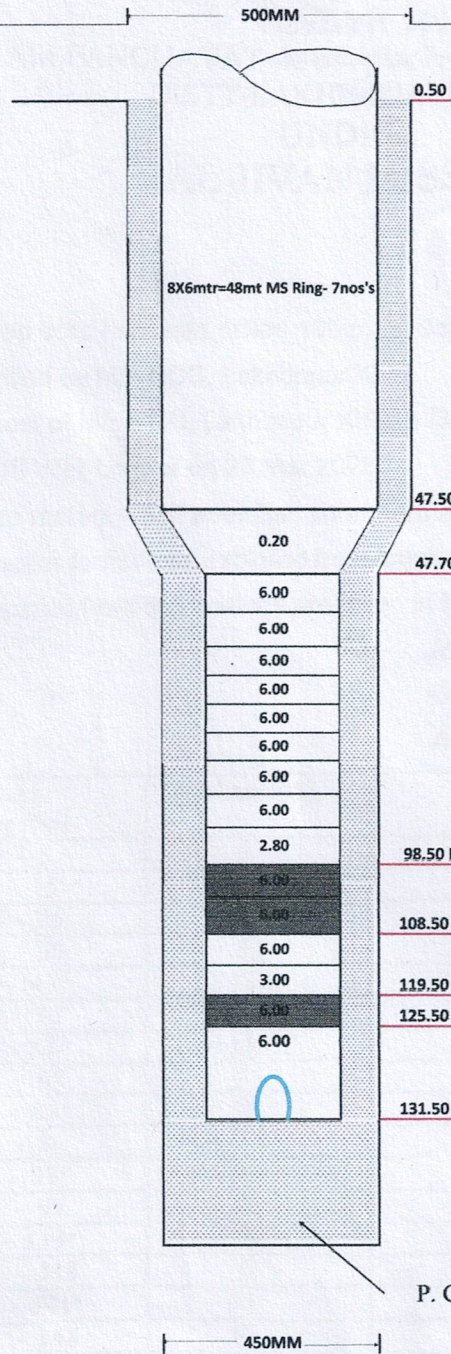


# COMPLETION PLAN OF TUBEWELL

NAME OF WORK	:- Construction of T.W- of G.P - koraiya Mufarat, Block- Behjam, Distt. Lakhimpur,
NAME OF PROGRAMME	:- JJM-3,
NAME OF CLIENT	:- SW.S.M. & U.P.JAL NIGAM
NAME OF CONTRACTOR	:- M/S NCC Limited
NAME OF TPI	:- Ceinsys Tech Limited
CONTRACT AGREEMENT	:- 12/ED/Phase-3/2021-22 Dated on 07.01.2022
COVER AGREEMENT	:- 256/ED/Phase 3/2022-23/IX,

**Lowered Assembly Chart of T.W. of G.P- koraiya Mufarat, Block- Behjam, Distt. Lakhimpur,**

Strata	
0-5	Surface Clay
5-15	Clay
15-25	Medium sand
25-30	Clay Kankar
30-43	Medium sand
43-47	Kankar
47-62	Medium sand
62-67	Clay Kankar
67-83	Medium sand
83-86	Clay Kankar
86-93	Medium sand
93-97	Clay Kankar
97-113	Medium Sand
113-118	Clay Kankar
118-131	Medium sand
131-148	Clay Kankar
148-155	Medium sand



ABSTRACT		
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	480LPM
3-	Bore Size (MM)	500x450
4-	Assembly size (MM)	200x150
5-	Drilling Starting Date	21/03/2023
6-	Drilling Completion Date	27/03/2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	28/03/2023
9-	Logging Depth	<del>155.00 Mtr</del> 148.0

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	47-62	15	Mediun Sand	Good
2	67-83	16	Mediun Sand	Good
3	86-93	7	Mediun Sand	Good
4	97-113	16	F. to M Sand	Good
5	118-131	13	Mediun Sand	Good

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

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

Details of Lowered Assembly		
	11	
	(i)	200 mm Dia Housing Pipe 48.00 Meter
	(ii)	150 mm Dia M.S Slotted Pipe 18.00 Meter
	(iii)	150 mm Dia M.S Plain Pipe 65.80 Meter
	(iv)	200 X 150 mm Dia M.S Reducer 0.20 Meter
	Total	132.00
	AGL	0.50
	BGL	131.50
	Date Of Lowering	30/03/2023

Recommended & Prepared by

Verified & Checked By

Recommended By

Approved By



TPI  
M/s Ceinsys Tech Ltd

J.E.  
Divisional Office (E&M)  
U.P. Jal Nigam(Rural)  
Lucknow

A.E.  
Divisional Office (E&M)  
U.P. Jal Nigam(Rural)  
Lucknow

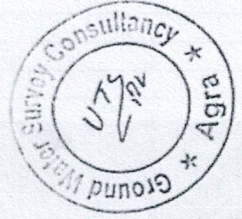
E.E.  
Divisional Office (E&M)  
U.P. Jal Nigam(Rural)  
Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING

AT  
KORIYA MUFARAT

GRAM PANCHAYAT - ~~MUFARAT~~, BLOCK - BEHJAM  
DISTT-LAKHIMPUR KHIRI

UNDER  
JAL JIVAN MISSION



## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~148~~ 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 28.Mar.2023.

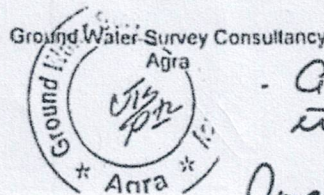
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 25.96 Ohms.

Drilling Water Resistivity = 26.89 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay	
3.	15 - 25	10	Medium sand	Good
4.	25 - 30	5	Clay kankar	
5.	30 - 43*	13	Medium sand	Good
6.	43 - 47	4	Kankar	
7.	47 - 62*	15	Medium sand	Good
8.	62 - 67	5	Clay kankar	
9.	67 - 83*	16	Medium sand	Good
10.	83 - 86	3	Clay kankar	
11.	86 - 93*	7	Medium sand	Good
12.	93 - 97	4	Clay kankar	
13.	97 - 113*	16	Medium sand	Good
14.	113 - 118	5	Clay kankar	
15.	118 - 131*	13	Medium sand	Good
16.	131 - 148	17	Clay kankar	



- Logging performed as per SIWSM guidelines.  
- Ground water quality interpreted by Ferrn as per their logger calibration G.Sr  
29/03/23