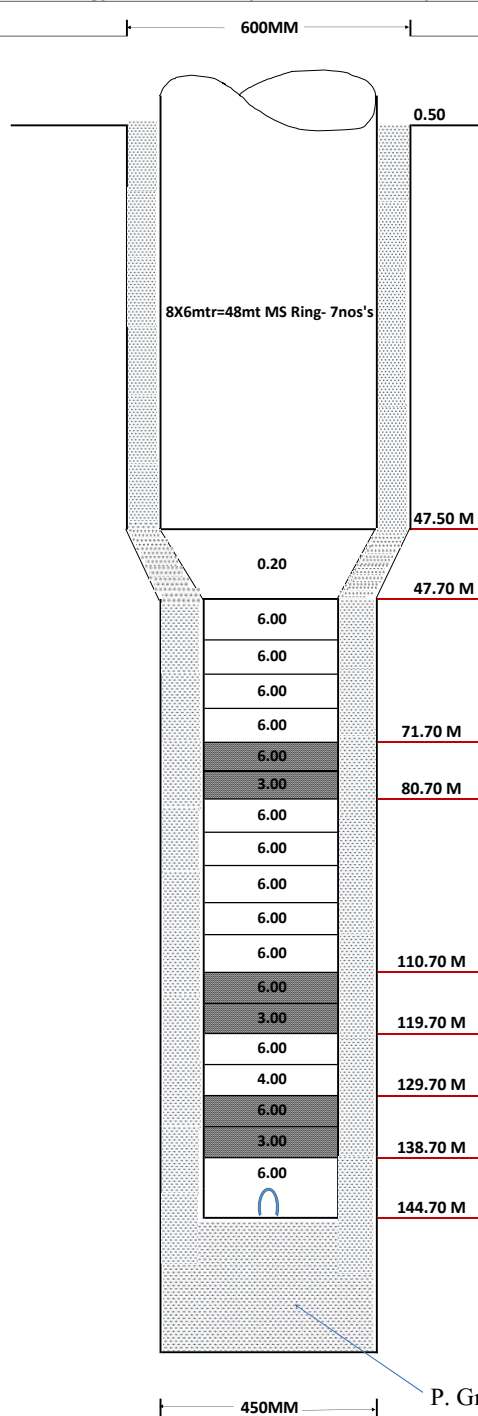


## COMPLETION PLAN OF TUBEWELL

**NAME OF WORK** :- Construction of T.W- of G.P- khargpur, Block- Behjam, Distt. Lakhimpur,  
**NAME OF PROGRAMME** :- JJM-2,  
**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** :- 64/ED/Phase-2/2020-21 Dated on 12.03.2021  
**COVER AGREEMENT** :- 465/ED/Phase 2/2022-23/XII,

### Lowered Assembly Chart of T.W. of G.P- khargpur, Block- Behjam, Distt. Lakhimpur,

Strata	
0-5	Surface Clay
5-12	Clay kankar
12-37	Medium Sand & kankar
37-55	Clay Kankar
55-60	Medium sand
60-71	Kankar
71-81	Medium sand
81-96	Clay Kankar
96-105	Sand & Kankar
105-110	Clay Kankar
110-120	Medium sand
120-129	Clay Kankar
129-140	Medium Sand
140-150	Clay Kankar
150-161	Kankar
161-155	Kankar



### ABSTRACT

1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	940 LPM
3-	Bore Size (MM)	600x450
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	04-07-2023
6-	Drilling Completion Date	13/04/2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	14/04/2023
9-	Logging Depth	155.00 mtr

### Logging Report By Water Investigation Ceter

S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	55-60	5	Mediun Sand	Good
2	71-81	10	Mediun Sand	Good
3	110-120	10	Mediun Sand	Good
4	129-140	11	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.

11 Details of Lowered Assembly		
(i)	300 mm Dia Housing Pipe	48.00 Meter
(ii)	150 mm Dia M.S Slotted Pipe	27.00 Meter
(iii)	150 mm Dia M.S Plain Pipe	70.00 Meter
(iv)	300 X 150 mm Dia M.S Reducer	0.20 Meter
Total		145.20
AGL		0.50
BGL		144.70
Date Of Lowering		16/04/2023

Recommended & Prepared by

M/s NCC LTD.

Verified & Checked By

TPI  
M/s Ceinsys Tech Ltd

Recommended By

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

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHARGPUR, BLOCK- BEHJAM,  
DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 150 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 14.April.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 = 24.62 Ohms.

Drilling Water Resistivity = 25.83 Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	14 - 37	23	Medium sand & kankar	Good
4.	37 - 55	18	Clay kankar	
5.	55 - 60*	5	Medium sand	Good
6.	60 - 71	11	Kankar	
7.	71 - 81*	10	Medium sand	Good
8.	81 - 96	15	Clay kankar	
9.	96 - 105	9	Sand & kankar	Good
10.	105 - 110	5	Clay kankar	
11.	110 - 120*	10	Medium sand	Good
12.	120 - 129	9	Clay kankar	
13.	129 - 140*	11	Medium sand	Good
14.	140 - 150	10	Clay kankar	

Ground Water Survey Consultancy

Agra