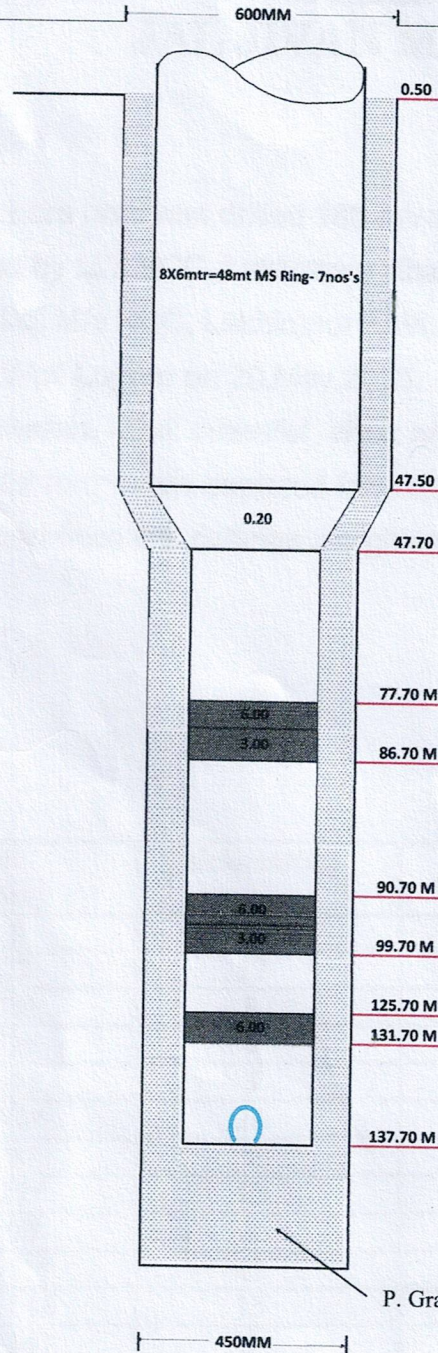


# COMPLETION PLAN OF TUBEWELL

**NAME OF WORK** :- Construction of T.W- of G.P - Gulchaura, 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** :- 313/ED/2022-23/V Dt.

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

Strata	
0-5	Surface soft
5-22	Medium Sand
22-30	Clay kankar
30-39	Medium Sand
39-44	Clay kankar
44-70	Medium Sand
70-77	Clay kankar
77-87	Medium Sand
87-90	kankar
90-100	Medium Sand
100-125	Clay kankar
125-132	Medium Sand
132-144	Clay kankar
144-147	Fine Sand
147-152	Clay kankar
152-162	Medium Sand
162-165	Clay kankar



ABSTRACT		
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	900 LPM
3-	Bore Size (MM)	600x500
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	13/5/2023
6-	Drilling Completion Date	19/5/2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	20/5/2023
9-	Logging Depth	165.00 Mtr

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	44-70	26	Mediun Sand	Good
2	77-87	10	Mediun Sand	Good
3	90-100	10	Mediun Sand	Good
4	125-132	7	Mediun Sand	Good
5	152-162	10	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)	200 mm Dia Housing Pipe	48.00 Meter
(ii)	150 mm Dia M.S Slotted Pipe	24.00 Meter
(iii)	150 mm Dia M.S Plain Pipe	66.00 Meter
(iv)	200 X 150 mm Dia M.S Reducer	0.20 Meter
Total		138.20
AGL		0.50
BGL		137.70
Date Of Lowering		22/5/2023

Recommended & Prepared by

Verified & Checked By

Recommended By

Approved By

*RCC For*

M/s NCC LTD.

TPI  
M/s Ceinsys Tech Ltd

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



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GULCHAURA, BLOCK- BEHJAM, 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 20.May.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 = 23.59 Ohms.

Drilling Water Resistivity = 24.67 Ohms.

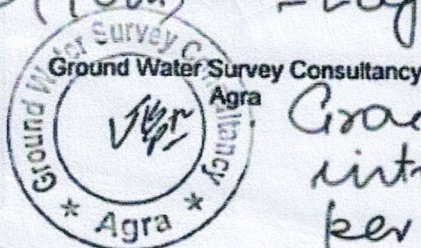
Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 22	17	Medium sand	
3.	22 - 30	8	Clay kankar	
4.	30 - 39	9	Medium sand	Good
5.	39 - 44	5	Clay kankar	
6.	44 - 70*	26	Medium sand	Good
7.	70 - 77	7	Clay kankar	
8.	77 - 87*	10	Medium sand	Good
9.	87 - 90	3	Kankar	
10.	90 - 131*	41	Medium sand	Good
11.	131 - 144	13	Clay kankar	
12.	144 - 147	3	Fine sand	Good
13.	147 - 152	5	Clay kankar	
14.	152 - 162*	10	Medium sand	Good
15.	162 - 165	3	Clay kankar	

SrNO10-90-100 (10m)

125-132 (7m)

DCS  
22/05/23



- Logging performed as per SWSM guid. line  
Groundwater quality interpreted by firm as per their logger calibration.