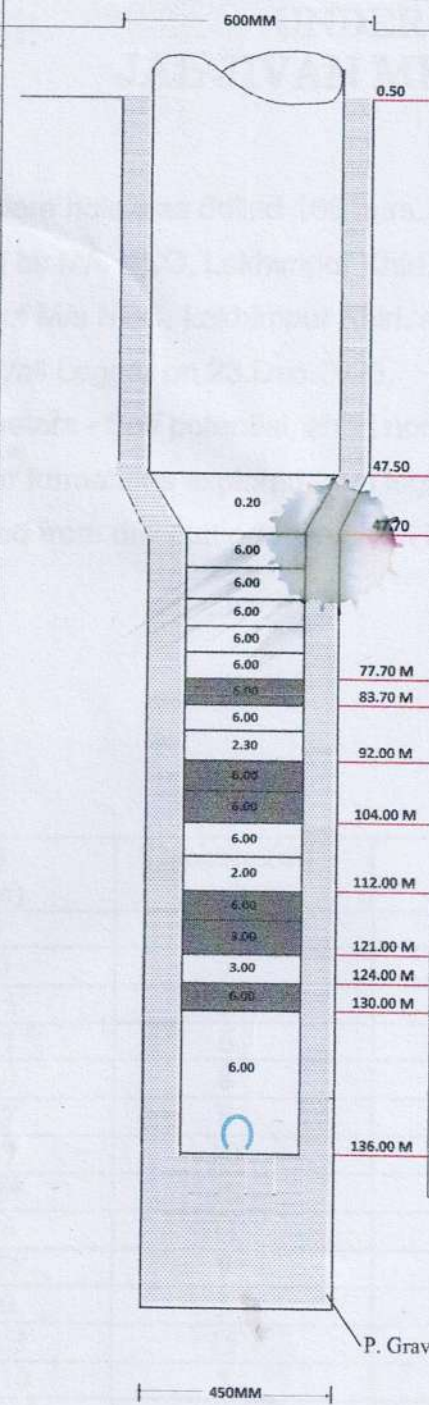


COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P - Gauria, 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-3/2022-23 Dated on 24.12.2022
COVER AGREEMENT :- 358/ED/Phase3/2022-23/XIV, Dated 03.02.2023

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

Strata	
0-5	Surface soli
5-10	Fine to Medium
10-15	Clay kankar
15-21	Medium Sand
21-29	Clay kankar
29-37	Medium Sand
37-47	Clay kankar
47-65	Medium Sand
65-76	Clay kankar
76-85	Medium Sand
85-90	Clay kankar
90-105	Medium Sand
105-110	Clay kankar
110-133	Medium Sand & Kankar
133-151	Clay kankar
151-161	Medium Sand
161-165	Clay kankar



ABSTRACT		
1-	Type of Rig Machine	R.C. CUM D.C.
2-	Required Discharge	1040 LPM
3-	Bore Size (MM)	600x450
4-	Assembly size (MM)	300x150
5-	Drilling Starting Date	16-12-2023
6-	Drilling Completion Date	22-12-2023
7-	Total Depth of Drilling	165 Mtr
8-	Logging Date	23-12-2023
9-	Logging Depth	165 Mtr

Logging Report By Water Investigation Ceter				
S. No.	Depth Range (mbgl)	Thickness (M.)	Lithology	Remarks
1	47-65	18	Medium Sand	Good
2	76-85	9	Medium Sand	Good
3	90-105	15	Medium Sand	Good
4	110-133	23	M.S & kankar	Good
5	151-161	10	Medium 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)	300 mm Dia Housing Pipe 48.00 Meter
	(ii)	150 mm Dia M.S Slotted Pipe 33.00 Meter
	(iii)	150 mm Dia M.S Plain Pipe 55.30 Meter
	(iv)	300 X 150 mm Dia M.S Reducer 0.20 Meter
Total		136.50
AGL		0.50
BGL		136.00
Date Of Lowering		25-12-2023

Recommended & Prepared by Verified & Checked By Recommended By Approved By



TPI
 M/s Ceinsys Tech Ltd

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

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GAURIYA SECOND LAND, 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 23.Dec.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 = 21.52 Ohms.

Drilling Water Resistivity = 21.19 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 21	6	Medium sand	Good
5.	21 - 29	8	Clay kankar	
6.	29 - 37	8	Medium sand	Good
7.	37 - 47	10	Clay kankar	
8.	47 - 65*	18	Medium sand	Good
9.	65 - 76	11	Clay kankar	
10.	76 - 85*	9	Medium sand	Good
11.	85 - 90	5	Clay kankar	
12.	90 - 105*	15	Medium sand	Good
13.	105 - 110	5	Clay kankar	
14.	110 - 133*	23	Medium sand & kankar	Good
15.	133 - 151	18	Clay kankar	
16.	151 - 161*	10	Medium sand	Good
17.	161 - 165	4	Clay kankar	

Ground Water Survey Consultancy

