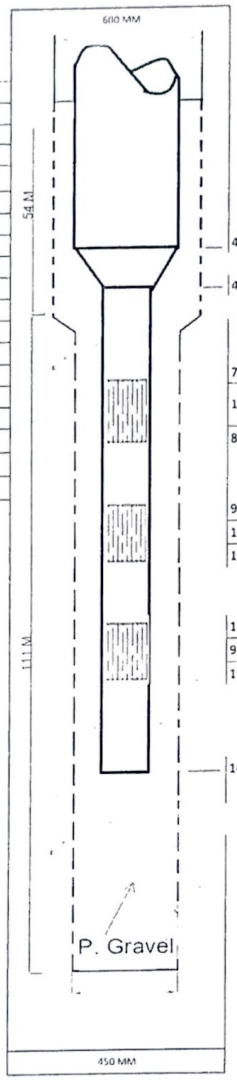
Completion Plan Of Tubewell

Name Of Work	:-	Construction of T. W. of G P. Nagla, Block Palia, District, Lakhimpur Kheri
Name Of Program	:-	J. J. M-2
Name of client	:-	S.W.S.M. & U.P. JAL NIGAM (R)
Name Of Contractor	:-	M/S NCC Limited
Name Of TPI	:-	Celnsys Tech Limited
Contract Agreement	:-	64/ED/2020-21 Dt. 12.03.2021
Cover Agreement	:-	200/ED/2021-22/III Dt. 30 November, 2021

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

Strata

0	-	5	M	Surface Soil
5	-	11	M	Clay Kankar
11	-	26	M	Medium Sand
26	-	34	M	Clay Kankar
34	-	37	M	Fine Sand
37	-	40	M	Clay Kankar
40	-	45	M	Fine to Med. Sand
45	-	49	M	Clay Kankar
49	-	56	M	Medium Sand, Kankar
56	-	71	M	Kankar
71	-	85	M	Medium Sand
85	-	91	M	Clay Kankar
91	-	109	M	Med. Sand & Kankar
109	-	120	M	Clay Kankar
120	-	140	M	medium Sand
140	-	147	M	Clay Kankar
147	-	156	M	medium Sand
156	-	165	M	Clay Kankar
165	-	168	M	Sandy Clay



ABSTRACT

1	Type of Rig Machine	:-	DC/PC
2	Static Water level	:-	
3	Required Discharge	:-	950 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	16-06-2024
7	Drilling Completion Date	:-	20-06-2024
8	Total Depth Of Drilling	:-	170 M
9	Logging Date	:-	21-06-2024
10	Logging Depth	:-	168 M

Logging Report

Sl No	Depth (mbgl)			Thickness (m)	Remarks
1	49	-	56	7	All Good
2	71	-	85	14	
3	91	-	109	18	
4	120	-	140	20	
5	147	-	156	9	

11	Details of Lowered Assembly					
i)	300	MM Dia Housing Pipe	:-	48.0	M	
ii)	150	MM Dia M.S. Slotted pipe	:-	33.0	M	
iii)	150	MM Dia M.S. Plain pipe	:-	60.0	M	
iv)	300 X 150	MM Dia M.S Reducer		0.2	M	
		Total	:-	141.20	Meter	
		AGL	:-	0.50	Meter	
		BGL	:-	140.70	Meter	
12	Date of Lowering		:-	20.06.2024		

Recommended & Prepared by	Verified by		Recommended by		Approved by	
M/S. NCC Ltd.	M/S. Celnsys Tech Ltd.	J.E. 13th Division UP Jal Nigam (R) Lucknow		A.E 13th Division UP Jal Nigam (R) Lucknow	E.E 13th Division UP Jal Nigam (R) Lucknow	

REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- NAGLA, BLOCK- PALIA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 168 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 21.June.2024.

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 = 24.18 Ohms.

Drilling Water Resistivity = 25.39 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 - 11	6	Clay kankar	
3.	11 - 26	15	Medium sand	
4.	26 - 34	8	Clay kankar	
5.	34 - 37	3	Fine sand	Good
6.	37 - 40	3	Clay kankar	
7.	40 - 45	5	Fine to Medium sand	Good
8.	45 - 49	4	Clay kankar	
9.	49 - 56*	7	Medium sand & kankar	Good
10.	56 - 71	15	Kankar	
11.	71 - 85*	14	Medium sand	Good
12.	85 - 91	6	Clay kankar	
13.	91 - 109*	18	Medium sand & kankar	Good
14.	109 - 120	11	Clay kankar	
15.	120 - 140*	20	Medium sand	Good
16.	140 - 147	7	Clay kankar	
17.	147 - 156*	9	Medium sand	Good
18.	156 - 165	9	Clay kankar	
19.	165 - 168	3	Sandy clay	

Ground Water Survey Consultancy
Agra