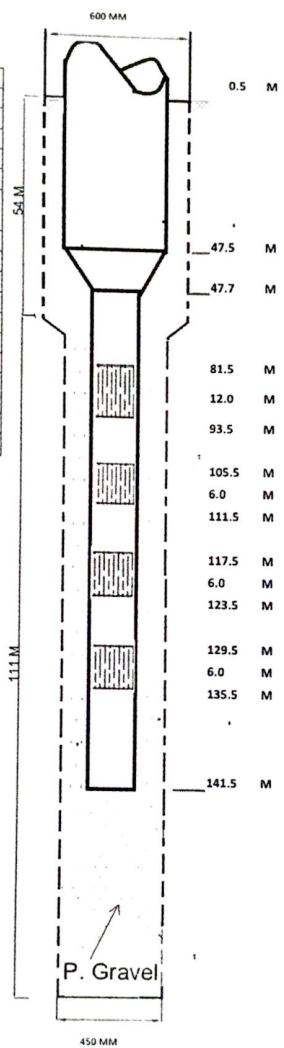


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Krishna Nagar Colony, Block- Palla, 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 :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 245/ED/2021-22/IV Dt. 20 January, 2022

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

Strata		
0	-	5 M, Surface Soil
5	-	10 M, Clay Kankar
10	-	15 M, fine sand
15	-	25 M, Clay Kankar
25	-	46 M, Fine To Medium Sand
46	-	53 M, Clay Kankar
53	-	73 M, Medium Sand & Kankar
73	-	81 M, Clay Kankar
81	-	95 M, Medium Sand
95	-	100 M, Clay Kankar
100	-	113 M, Medium Sand
113	-	116 M, Clay Kankar
116	-	124 M, Medium Sand
124	-	129 M, Clay Kankar
129	-	150 M, Medium Sand & Kankar
150	-	160 M, Clay Kankar
160	-	165 M, Fine To Medium Sand



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 970 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 13-12-2023
7	Drilling Completion Date	:- 17-12-2023
8	Total Depth of Drilling	:- 165 M
9	Logging Date	:- 18-12-2023
10	Logging Depth	:- 165 M

Logging Report				
Sl No	Depth (mbgl)	Thickness (m)	Remarks	
1	53	73	20	All Good
2	81	95	14	
3	100	113	13	
4	116	124	8	
5	129	150	21	
6	160	165	5	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 30.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 63.8 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total :-	142.00 Meter
		AGL :-	0.50 Meter
		BGL :-	141.50 Meter
12	Date of Lowering		:- 19.12.2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R)
Lucknow

A.E
13th Division UP Jal Nigam (R) Lucknow

13th Division U.P. Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KRISHNA NAGAR COLONY, BLOCK- PALIA,
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 18.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 = 20.53 Ohms.

Drilling Water Resistivity = 21.74 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 25	10	Clay kankar	
5.	25 - 46	21	Fine to Medium sand	Good
6.	46 - 53	7	Clay kankar	
7.	53 - 73*	20	Medium sand & kankar	Good
8.	73 - 81	8	Clay kankar	
9.	81 - 95*	14	Medium sand	Good
10.	95 - 100	5	Clay kankar	
11.	100 - 113*	13	Medium sand	Good
12.	113 - 116	3	Clay kankar	
13.	116 - 124*	8	Medium sand	Good
14.	124 - 129	5	Clay kankar	
15.	129 - 150*	21	Medium sand & kankar	Good
16.	150 - 160	10	Clay kankar	
17.	160 - 165*	5	Fine to Medium sand	Good

Ground Water Survey Consultancy
Agra

