

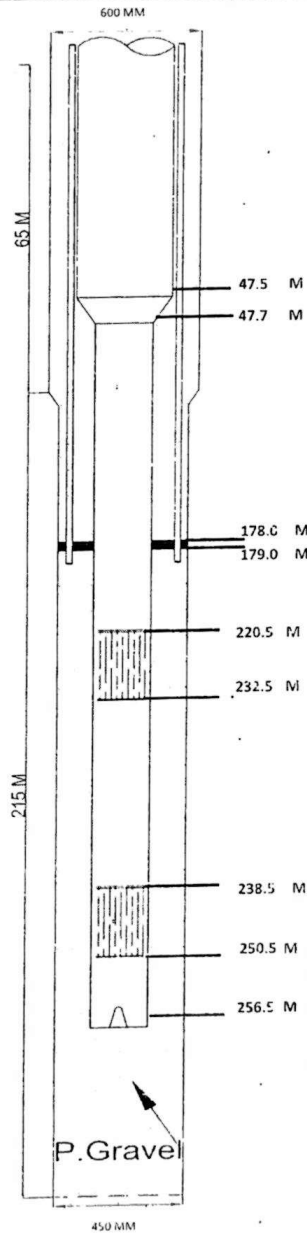
Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Ambersot, Block- Nakaha, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023

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

Strata		
0 - 5	M Surface Soil	
5 - 11	M Clay Kankar	
11 - 33	M Medium Sand	
33 - 41	M Clay Kankar	
41 - 60	M Medium Sand	
60 - 71	M Clay Kankar	
71 - 88	M Medium Sand & Kankar	
88 - 110	M Clay Kankar	
110 - 122	M Medium Sand	
122 - 130	M Clay Kankar	
130 - 177	M Medium Sand	
177 - 188	M Clay Kankar	
188 - 200	M Medium Sand	
200 - 207	M Clay Kankar	
207 - 212	M Fine to Medium Sand	
212 - 220	M Kankar	
220 - 251	M Medium Sand	
251 - 260	M Clay Kankar	

Sl No	Description	Zone-1 (2220m to 251m) Acceptable Limit / Test result	Zone-2 (188m to 200m) Acceptable Limit / Test result	Zone-3 (130m to 177m) Acceptable Limit / Test result
1	Fluoride (as F ⁻)	1/0.395	1/0.475	1/0.480
2	Iron (As Fe ⁺⁺)	1/0.550	1/0.650	1/0.980
3	Total Arsenic (As ⁺⁺⁺)	0.01/0.008	0.01/0.011	0.01/0.015



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 830 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 29-11-23
7	Drilling Completion Date	:- 03-12-23
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 04-12-23
10	Logging Depth	:- 260 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	41 - 60	19	(Good All)
2	71 - 88	17	
3	110 - 122	12	
4	130 - 177	47	
5	188 - 200	12	
6	220 - 251	31	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	24.0 M
iii)	150	MM Dia M. S. Plain pipe	184.8 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
Total			257.00 m
AGL			0.50 m
BGL			256.50 m
12	50mm dia uPVC		36.1 m
13	Date of Lowering		10-10-23

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

Division Office (E/M) UP Jal Nigam (R) Lucknow

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AMBARSOT, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 260 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 04.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 = 23.40 Ohms.

Drilling Water Resistivity = 24.78 Ohms.

Approx Water Level = 2 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 - 33	22	Medium sand	Good
4.	33 - 41	8	Clay kankar	
5.	41 - 60*	19	Medium sand	Good
6.	60 - 71	11	Clay kankar	
7.	71 - 88*	17	Medium sand & kankar	Good
8.	88 - 110	22	Clay kankar	
9.	110 - 122*	12	Medium sand	Good
10.	122 - 130	8	Clay kankar	
11.	130 - 177*	47	Medium sand	Good
12.	177 - 188	11	Clay kankar	
13.	188 - 200*	12	Medium sand	Good
14.	200 - 207	7	Clay kankar	
15.	207 - 212	5	Fine to Medium sand	Good
16.	212 - 220	8	Kankar	
17.	220 - 251*	31	Medium sand	Good
18.	251 - 260	9	Clay kankar	

Ground Water Survey Consultancy

