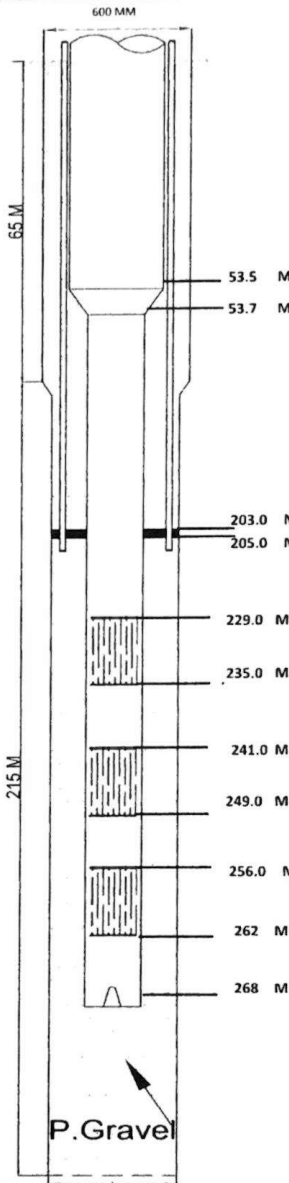


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. KHAMBOUL, Block- Lakhimpur, 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 :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

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

Strata		
0 - 5	M. Surface Soil	
5 - 18	M. Clay Kankar	
18 - 24	M. Fine to Medium Sand	
24 - 30	M. Clay Kankar	
30 - 40	M. Medium sand and kankar	
40 - 47	M. Clay Kankar	
47 - 60	M. Medium Sand	
60 - 79	M. Clay Kankar	
79 - 92	M. Medium Sand	
92 - 100	M. Clay Kankar	
100 - 112	M. Medium Sand	
112 - 119	M. Clay Kankar	
119 - 138	M. Medium Sand & Kankar	
138 - 143	M. Clay Kankar	
143 - 147	M. Fine to Medium Sand	
147 - 151	M. Clay Kankar	
151 - 155	M. Fine to Medium Sand	
155 - 167	M. Clay Kankar	
167 - 177	M. Medium Sand	
177 - 180	M. Clay Kankar	
180 - 184	M. Medium Sand	
184 - 199	M. Clay Kankar	
199 - 202	M. Fine to Medium Sand	
202 - 214	M. Clay Kankar	
214 - 220	M. Medium Sand	
220 - 229	M. Clay Kankar	
229 - 235	M. Medium Sand	
235 - 241	M. Clay Kankar	
241 - 249	M. Medium Sand	
249 - 256	M. Clay Kankar	
256 - 262	M. Medium Sand	
262 - 267	M. Clay Kankar	



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	650 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	28-10-23
7	Drilling Completion Date	:-	01-11-23
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	02-11-23
10	Logging Depth	:-	267 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	151 - 155	4	(Good All)
2	167 - 177	10	
3	180 - 184	4	
4	214 - 220	6	
5	229 - 235	6	
6	241 - 249	8	
7	256 - 262	6	

Sl No	Description	Zone-1 (241m to 249m) Acceptable Limit / Test result	Zone-2 (214m to 220m) Acceptable Limit / Test result	Zone-3 ((167m to 177m)) Acceptable Limit / Test result	Zone-4 (229m to 235 m) Acceptable Limit / Test result
1	Fluoride (as F) ⁻²	1/0.530	1/0.585	1/0.648	1/0.548
2	Iron (As Fe) ⁺³	1/0.429	1/0.732	1/1.280	1/0.538
3	Total Arsenic (As As)	0.01/0.008	0.01/0.012	0.01/0.022	0.01/0.009

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 54.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 20.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 194.3 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
			Total :- 268.50 m
			AGL :- 0.50 m
			BGL :- 268.00 m
12	90mm dia uPVC	:-	414.00
13	Date of Lowering	:-	11-11-23

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

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

Recommended by
J.E.
J.E.
Division Office (E/M) UP Jal Nigam (R) Lucknow

Approved by
J.E.
J.E.
Division Office (E/M) UP Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 267 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 02.Nov.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 = 21.16 Ohms.

Drilling Water Resistivity = 22.40 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 - 18	13	Clay kankar	
3.	18 - 24	6	Fine to Medium sand	
4.	24 - 30	6	Clay kankar	
5.	30 - 40	10	Medium sand & kankar	Good
6.	40 - 47	7	Clay kankar	
7.	47 - 60*	13	Medium sand	Good
8.	60 - 79	19	Clay kankar	
9.	79 - 92*	13	Medium sand	Good
10.	92 - 100	8	Clay kankar	
11.	100 - 112*	12	Medium sand	Good
12.	112 - 119	7	Clay kankar	
13.	119 - 138*	19	Medium sand & kankar	Good
14.	138 - 143	5	Clay kankar	
15.	143 - 147*	4	Fine to Medium sand	Good
16.	147 - 151	4	Clay kankar	
17.	151 - 155*	4	Fine to Medium sand	Good
18.	155 - 167	12	Clay kankar	
19.	167 - 177*	10	Medium sand	Good
20.	177 - 180	3	Clay kankar	
21.	180 - 184*	4	Medium sand	Good
22.	184 - 199	15	Clay kankar	
23.	199 - 202	3	Fine to Medium sand	Good
24.	202 - 214	12	Clay kankar	
25.	214 - 220	6	Medium sand	Good
26.	220 - 229	9	Clay kankar	
27.	229 - 235*	6	Medium sand	Good
28.	235 - 241	6	Clay kankar	
29.	241 - 249*	8	Medium sand	Good
30.	249 - 256	7	Clay kankar	
31.	256 - 262*	6	Medium sand	Good
32.	262 - 267	5	Clay kankar	

Ground Water Survey Consultancy
Agra

