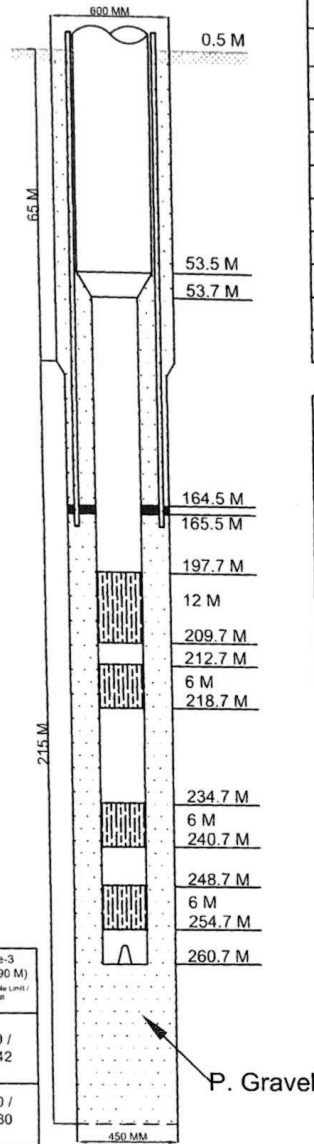


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Jamhura, Block-Ramia Behar,
 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 Dated on 12.03.2021
 Cover Agreement :- 245/ED/2021-22/IV Dt. 20 January, 2022
 Lowered Assembly Chart of T. W of Jamhura G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-36 M, Clay Kankar
36-76 M, Medium Sand & Kankar
76-83 M, Clay Kankar
83-97 M, Medium Sand
97-102 M, Clay Kankar
102-120 M, Medium Sand
120-127 M, Clay Kankar
127-148 M, Medium Sand & Kankar
148-158 M, Clay Kankar
158-162 M, Fine to Medium Sand
162-174 M, Clay Kankar
174-190 M, Medium Sand
190-195 M, Clay Kankar
195-219 M, Medium Sand
219-225 M, Clay Kankar
225-230 M, Fine to Medium Sand
230-234 M, Clay Kankar
234-242 M, Medium Sand
242-248 M, Clay Kankar
248-260 M, Medium Sand
260-264 M, Clay Kankar
264-280 M, Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 850 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 26.11.2023
7	Drilling Completion Date :- 29.11.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 30.11.2023
10	Logging Depth :- 272 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	83-97	14	Fine to Medium Sand (Good All)
2	102-120	18	
3	127-148	21	
4	174-190	16	
5	195-219	24	
6	225-230	5	
7	234-242	8	
8	248-260	12	
9	264-272	8	

Sr. No	Description	Zone-1 (248-260 M) Acceptable Limit / Test result	Zone-2 (195-219 M) Acceptable Limit / Test result	Zone-3 (174-190 M) Acceptable Limit / Test result
1	Fluoride (as F)*	1.00 / 0.452	1.00 / 0.581	1.00 / 0.642
2	Iron (As Fe)*	1.00 / 0.680	1.00 / 0.720	1.00 / 1.180
3	Total Arsenic (As As)	0.01 / 0.004	0.01 / 0.08	0.01 / 0.012

11. Details of Lowered Assembly	
i) 300 mm Dia Housing Pipe :- 54.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :-30.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 176.5 Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 261.20Meter	
AGI :- 00.50 Meter	
BGL :- 260.70 Meter	
12. 90mm dia uPVC :- 167 x 2 = 334.0 Meter	
13. Date of Lowering :- 05.12.2023	

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 272 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 30.Nov.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-84), 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 = 19.43 Ohms.

Drilling Water Resistivity = 20.37 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 - 36	31	Clay kankar	
3.	36 - 76	40	Medium sand & kankar	Good
4.	76 - 83	7	Clay kankar	
5.	83 - 97*	14	Medium sand	Good
6.	97 - 102	5	Clay kankar	
7.	102 - 120*	18	Medium sand	Good
8.	120 - 127	7	Clay kankar	
9.	127 - 148*	21	Medium sand & kankar	Good
10.	148 - 158	10	Clay kankar	
11.	158 - 162	4	Fine to Medium sand	Good
12.	162 - 174	12	Clay kankar	
13.	174 - 190*	16	Medium sand	Good
14.	190 - 195	5	Clay kankar	
15.	195 - 219*	24	Medium sand	Good
16.	219 - 225	6	Clay kankar	
17.	225 - 230*	5	Fine to Medium sand	Good
18.	230 - 234	4	Clay kankar	
19.	234 - 242*	8	Medium sand	Good
20.	242 - 248	6	Clay kankar	
21.	248 - 260*	12	Medium sand	Good
22.	260 - 264	4	Clay kankar	
23.	264 - 272*	8	Medium sand	Good

Ground Water Survey Consultancy

