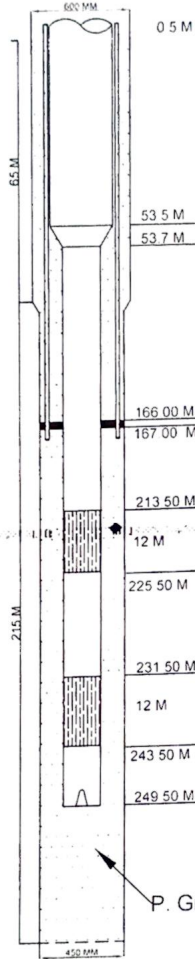


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Shuhela 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 Dated on 12.03.2021
Cover Agreement :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023
Lowered Assembly Chart of T. W of G.P. of Shuhela W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M. Surface soil
5-20 M. Medium sand
20-28 M. Clay kankar
28-43 M. Medium Sand
43-50 M. Clay Kankar
50-70 M. Medium Sand
70-77 M. Clay Kankar
77-93 M. Med. Sand kankar
93-102 M. Clay kankar
102-117 M. Medium Sand
117-121 M. Clay kankar
121-132 M. Medium Sand
132-150 M. Clay Kankar
150-164 M. Fine to Med. Sand
164-186 M. Clay Kankar
186-206 M. Med. Sand kankar
206-210 M. Clay Kankar
210-244 M. Med. Sand Kankar
244-250 M. Clay Kankar
250-262 M. Med. Sand
262-271 M. Clay Kankar



ABSTRACT	
1	Type of Rig Machine - DC/RC
2	Static Water level -
3	Required Discharge - 700 LPM
4	Bore Size (MM) - 600x450
5	Assembly Size (MM) - 300 x 150
6	Drilling Starting Date - 20 12 2023
7	Drilling Completion Date - 24 12 2023
8	Total Depth Of Drilling - 280 M
9	Logging Date - 25 12 2023
10	Logging Depth - 271 M

Logging Report			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-70	20	Fine to Medium Sand (Good All)
2	77-93	16	
3	102-117	15	
4	121-132	11	
5	150-164	14	
6	186-206	20	
7	210-244	34	
8	250-262	12	

Sl No	Description	Zone 1 (210-244 M) No. of test No. of test	Zone 2 (186-206 M) No. of test No. of test	Zone 3 (150-164 M) No. of test No. of test
1	Fluoride (as F ⁻)	1.00 / 0.578	1.00 / 0.892	1.00 / 1.230
2	Iron (As Fe ²⁺)	1.00 / 0.520	1.00 / 0.840	1.00 / 1.180
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.008	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 - 24.00 Meter
iii)	150 mm Dia M S Plain pipe - 171.80 Meter
iv)	300 x 150 mm Dia M S Reducer - 0.20 Meter
Total - 250.00 Meter	
AGI - 00.50 Meter	
BGL - 249.50 Meter	
12.	90mm dia uPVC - 168.5x2=337 Meter
13.	Date of Lowering - 04 01 2024


Recommended & Prepared by

M/S NCC Ltd.


Verified by


M/S Ceinsys Tech Ltd

Recommended by


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

Approved by


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


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

Vinod Kumar
 Assistant Engineer
 Divisional Officer (E/M)
 U.P. Jal Nigam (R)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- SUHELA, BLOCK- NAKAHA, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 271 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 25.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 = 23.62 Ohms.

Drilling Water Resistivity = 24.70 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 - 20	15	Medium sand	
3.	20 - 28	8	Clay kankar	
4.	28 - 43	15	Medium sand	Good
5.	43 - 50	7	Clay kankar	
6.	50 - 70*	20	Medium sand	Good
7.	70 - 77	7	Clay kankar	
8.	77 - 93*	16	Medium sand & kankar	Good
9.	93 - 102	9	Clay kankar	
10.	102 - 117*	15	Medium sand	Good
11.	117 - 121	4	Clay kankar	
12.	121 - 132*	11	Medium sand	Good
13.	132 - 150	18	Clay kankar	
14.	150 - 164*	14	Fine to Med sand & kan	Good
15.	164 - 186	22	Clay kankar	
16.	186 - 206*	20	Medium sand & kankar	Good
17.	206 - 210	4	Clay kankar	
18.	210 - 244*	34	Medium sand & kankar	Good
19.	244 - 250	6	Clay kankar	
20.	250 - 262*	12	Medium sand	Good
21.	262 - 271	9	Clay kankar	

Ground Water Survey Consultancy

