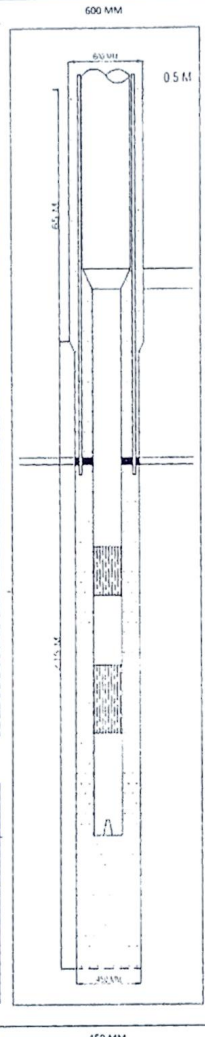


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Sundarwal, Block- Phoolbehar, 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 :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

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

Sl No	Strata			
1	0	-	5	M, Surface Soil
2	5	-	18	M, Fine to Med Sand
3	18	-	30	M, Clay Kankar
4	30	-	37	M, Fine to Med. Sand
5	37	-	43	M, Clay Kankar
6	43	-	51	M, Medium Sand
7	51	-	60	M, Clay Kankar
8	60	-	66	M, Medium Sand
9	66	-	70	M, Clay Kankar
10	70	-	90	M, Medium Sand
11	90	-	109	M, Clay Kankar
12	109	-	111	M, Fine Sand
13	111	-	116	M, Clay Kankar
14	116	-	120	M, Fine to Med. Sand
15	120	-	125	M, Clay Kankar
16	125	-	130	M, Med Sand, Kankar
17	130	-	140	M, Clay Kankar
18	140	-	151	M, Medium Sand
19	151	-	176	M, Clay Kankar
20	176	-	187	M, Medium Sand
21	187	-	197	M, Clay Kankar
22	197	-	210	M, Med. Sand, Kankar
23	210	-	217	M, Clay Kankar
24	217	-	230	M, Medium Sand
25	230	-	238	M, Clay Kankar
26	238	-	244	M, Fine to Med Sand
27	244	-	254	M, Clay Kankar
28	254	-	290	M, Med Sand, Kankar
29	290	-	295	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	600 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	25-02-2024
7	Drilling Completion Date	:-	29-02-2024
8	Total Depth Of Drilling	:-	300 M
9	Logging Date	:-	01-03-2024
10	Logging Depth	:-	295 M

Logging Report				
Sl No	Depth (mbgl)	Thickness (m)	Remarks	
1	60	6	All Good	
2	70	20		
3	116	4		
4	125	5		
5	140	11		
6	176	11		
7	197	13		
8	217	13		
9	254	36		

Description	Zone-1	Zone-2	Zone-3
	(217-230 M)	(197-210 M)	(176-187 M)
Flouride (As F)*	1.00/0.592	1.00/0.672	1.00/0.782
Iron (As Fe)*	1.00/0.220	1.00/0.320	1.00/0.480
Total Arsenic (As As)*	0.01/005	0.01/0.010	0.01/0.014

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M. S. Slotted pipe	74.0 M
iii)	150	MM Dia M. S. Plain pipe	158.0 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
Total			236.20 Meter
AGL			0.50 Meter
BGL			235.70 Meter
12	90 MM Dia UPVC	154.50	309.00 Meter
13	Date of Lowering		14.03.2024

Recommended & Prepared by: M/S. NCC Ltd.
 Verified by: M/S. Ceinsys Tech Ltd.
 Recommended by: A.E. (Signature)
 Approved by: E.E. (Signature)

ASHISH KUMAR
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (E&M)
 U.P. JAL NIGAM (R)
 LUCKNOW

ASHOK KUMAR
 Assistant Engineer
 Divisional Office (E&M)
 UP Jal Nigam (R)
 Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SUNDARWAL, BLOCK- PALIA, DISTT- LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 300 mtrs. depth. and Logged depth 295 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 01.Mar.2024.

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 = 19.62 Ohms.

Drilling Water Resistivity = 20.69 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	Fine to Medium sand	Good
3.	18 - 30	12	Clay kankar	
4.	30 - 37	7	Fine to Medium sand	Good
5.	37 - 43	6	Clay kankar	
6.	43 - 51	8	Medium sand	Good
7.	51 - 60	9	Clay kankar	
8.	60 - 66*	6	Medium sand	Good
9.	66 - 70	4	Clay kankar	
10.	70 - 90*	20	Medium sand	Good
11.	90 - 109	19	Clay kankar	
12.	109 - 111	2	Fine sand	Good
13.	111 - 116	5	Clay kankar	
14.	116 - 120*	4	Fine to Medium sand	Good
15.	120 - 125	5	Clay kankar	
16.	125 - 130*	5	Medium sand & kankar	Good
17.	130 - 140	10	Clay kankar	
18.	140 - 151*	11	Medium sand	Good
19.	151 - 176	25	Clay kankar	
20.	176 - 187*	11	Medium sand	Good
21.	187 - 197	10	Clay kankar	
22.	197 - 210*	13	Medium sand & kankar	Good
23.	210 - 217	7	Clay kankar	
24.	217 - 230*	13	Medium sand	Good
25.	230 - 238	8	Clay kankar	
26.	238 - 244	6	Fine to Medium sand	Good
27.	244 - 254	10	Clay kankar	
28.	254 - 290*	36	Medium sand & kankar	Good
29.	290 - 295	5	Clay kankar	

Ground Water Survey Consultancy

