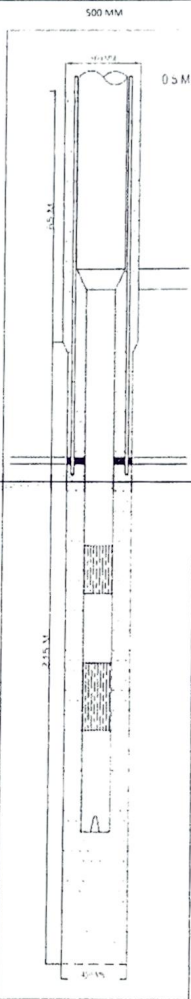


**Completion Plan Of Tubewell**

Name Of Work :- Construction of T. W. of G.P. Mazhara, 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 :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023

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

SI No	Strata			
1	0	-	5	M, Surface Soil
2	5	-	20	M, Clay Kankar
3	20	-	38	M, Fine to Med Sand
4	38	-	46	M, Clay Kankar
5	46	-	51	M, Medium Sand
6	51	-	58	M, Clay Kankar
7	58	-	68	M, Medium Sand
8	68	-	74	M, Clay Kankar
9	74	-	84	M, Medium Sand
10	84	-	94	M, Clay Kankar
11	94	-	102	M, Medium Sand
12	102	-	136	M, Clay Kankar
13	136	-	150	M, Med. Sand, Kankar
14	150	-	160	M, kankar
15	160	-	190	M, Med. Sand, Kankar
16	190	-	198	M, Clay Kankar
17	198	-	206	M, Medium Sand
18	206	-	212	M, Clay Kankar
19	212	-	220	M, Medium Sand
20	220	-	232	M, Clay Kankar
22	246	-	260	M, Clay Kankar
23	260	-	266	M, Fine to Med Sand
24	266	-	280	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	-	DC/RC
2	Static Water level	-	
3	Required Discharge	-	450 LPM
4	Bore Size (MM)	-	500 X 450
5	Assembly Size (MM)	-	200 X 150
6	Drilling Starting Date	-	21-01-2024
7	Drilling Completion Date	-	25-01-2024
8	Total Depth of Drilling	-	280 M
9	Logging Date	-	26-01-2024
10	Logging Depth	-	270 M

Logging Report				
SI No	Depth (mbgl)		Thickness (m)	Remarks
1	58	-	68	10
2	74	-	84	10
3	94	-	102	8
4	136	-	150	14
5	160	-	190	30
6	198	-	206	8
7	212	-	220	8
8	232	-	246	14

All Good

Description	Zone-1	Zone-2	Zone-3
	(232-246 M)	(212-220 M)	(198-206 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.732	1.00/0.792	1.00/0.855
Iron (As Fe)*	1.00/0.750	1.00/0.840	1.00/1.190
Total Arsenic (As As)*	0.01/0.006	0.01/0.008	0.01/0.012

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M S Slotted pipe	18.0 M
iii)	150	MM Dia M S Plain pipe	179.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total			252.00 Meter
AGL			0.50 Meter
BGL			251.50 Meter
12	90 MM Dia UPVC	154.50	309.00 Meter
13	Date of Lowering	-	09.03.2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

13th Division UP Jal Nigam (R)  
Lucknow

13th Division UP Jal Nigam (R)  
Lucknow

13th Division U P Jal Nigam (R)  
Lucknow

**VIKAS KR. YADAV**  
 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- MAZHARA, BLOCK- NAKAHA,**  
**DISTT-LAKHIMPUR KHIRI**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 270 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 26.Jan.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:-

Location = Mazhara

Mud Resistivity = 20.96 Ohms.

Latitude = 27.92714999999997°

Drilling Water Resistivity = 39.49 Ohms.

Longitude = 80.9412783333333°

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	Clay kankar	
3.	20 - 38	18	Fine to Medium sand	Good
4.	38 - 46	8	Clay kankar	
5.	46 - 51	5	Medium sand	Good
6.	51 - 58	7	Clay kankar	
7.	58 - 68*	10	Medium sand	Good
8.	68 - 74	6	Clay kankar	
9.	74 - 84*	10	Medium sand	Good
10.	84 - 94	10	Clay kankar	
11.	94 - 102*	8	Medium sand	Good
12.	102 - 136	34	Clay kankar	
13.	136 - 150*	14	Medium sand & kankar	Good
14.	150 - 160	10	Kankar	
15.	160 - 190*	30	Medium sand & kankar	Good
16.	190 - 198	8	Clay kankar	
17.	198 - 206*	8	Medium sand	Good
18.	206 - 212	6	Clay kankar	
19.	212 - 220*	8	Medium sand	Good
20.	220 - 232	12	Clay kankar	
21.	232 - 246*	14	Medium sand & kankar	Good
22.	246 - 260	14	Clay kankar	
23.	260 - 266	6	Fine to Medium sand	Good
24.	266 - 270	4	Clay kankar	

Ground Water Survey Consultancy

Agra

