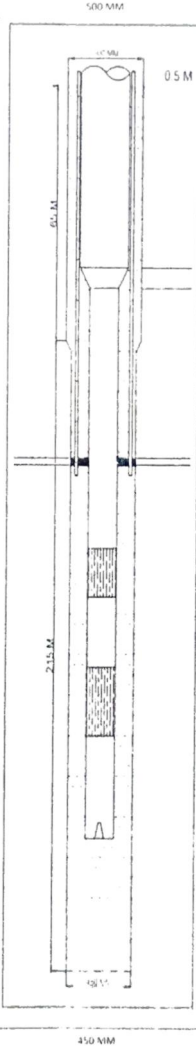


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Nizampur Nakti, 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 :- 491/ED/Phase-2/2022-23/IVX, Dt. 03.03.2023

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

SI No	Strata		
1	0	5	M, Surface Soil
2	5	15	M, Clay Kankar
3	15	30	M, Medium Sand
4	30	37	M, Clay Kankar
5	37	42	M, Fine to Med. Sand
6	42	46	M, Clay Kankar
7	46	50	M, Medium Sand
8	50	60	M, Clay Kankar
9	60	73	M, Medium Sand
10	73	85	M, Clay Kankar
11	85	90	M, Medium Sand
12	90	93	M, Clay Kankar
13	93	100	M, Medium Sand
14	100	105	M, Clay Kankar
15	105	118	M, Fine to Med Sand
16	118	122	M, Clay Kankar
17	122	140	M, Medium Sand
18	140	147	M, Clay Kankar
19	147	157	M, Medium Sand
20	157	183	M, Clay Kankar
21	183	194	M, Medium Sand
22	194	200	M, Clay Kankar
23	200	207	M, Medium Sand
24	207	210	M, Clay Kankar
25	210	247	M, Medium Sand
26	247	252	M, Clay Kankar
27	252	255	M, Fine Sand
28	255	280	M, Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	550 LPM
4	Bore Size (MM)	:-	500 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	07-01-2024
7	Drilling Completion Date	:-	11-01-2024
8	Total Depth Of Drilling	:-	280 M
9	Logging Date	:-	12-01-2024
10	Logging Depth	:-	262 M

Logging Report			
SI No	Depth (mbgl)	Thickness (m)	Remarks
1	60 - 73	13	All Good
2	85 - 90	5	
3	93 - 100	7	
4	105 - 118	13	
5	122 - 140	18	
6	147 - 157	10	
7	183 - 194	11	
8	200 - 207	7	
9	210 - 247	37	
10	252 - 255	3	

Description	Zone-1	Zone-2	Zone-3
	(210-247 M)	200-207 M)	(183-194 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.965	1.00/1.10	1.00/1.120
Iron (As Fe)*	1.00/0.5600	1.00/0.860	1.00/1.180
Total Arsenic (As As)*	0.01/0.007	0.01/0.010	0.01/0.017

11 Details of Lowered Assembly			
i)	200	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	174.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total			253.00 Meter
AGL			0.50 Meter
BGL			252.50 Meter
12	90 MM Dia UPVC	160.50	321.00 Meter
13	Date of Lowering	:-	11.05.2024

Recommended & Prepared by: M/S NCC Ltd
 Verified by: J.E. 13th Division UP Jal Nigam (R) Lucknow
 Recommended by: A.E. 13th Division UP Jal Nigam (R) Lucknow
 Approved by: E.E. 13th Division UP Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- NIZAMPUR, BLOCK- NAKAHA, DISTT-LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 262 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 12.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:-

Mud Resistivity = 15.34 Ohms.

Drilling Water Resistivity = 21.20 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 30	15	Medium sand	Good
4.	30 - 37	7	Clay kankar	
5.	37 - 42	5	Fine to Medium sand	Good
6.	42 - 46	4	Clay kankar	
7.	46 - 50	4	Medium sand	Good
8.	50 - 60	10	Clay kankar	
9.	60 - 73*	13	Medium sand	Good
10.	73 - 85	12	Clay kankar	
11.	85 - 90*	5	Medium sand	Good
12.	90 - 93	3	Clay kankar	
13.	93 - 100*	7	Medium sand	Good
14.	100 - 105	5	Clay kankar	
15.	105 - 118*	13	Fine to Medium sand	Good
16.	118 - 122	4	Clay kankar	
17.	122 - 140*	18	Medium sand	Good
18.	140 - 147	7	Clay kankar	
19.	147 - 157*	10	Medium sand	Good
20.	157 - 183	26	Clay kankar	
21.	183 - 194*	11	Medium sand	Good
22.	194 - 200	6	Clay kankar	
23.	200 - 207*	7	Medium sand	Good
24.	207 - 210	3	Clay kankar	
25.	210 - 247*	37	Medium sand	Good
26.	247 - 252	5	Clay kankar	
27.	252 - 255	3	Fine sand	Good
28.	255 - 262	7	Clay kankar	

Ground Water Survey Consultancy
Agra

