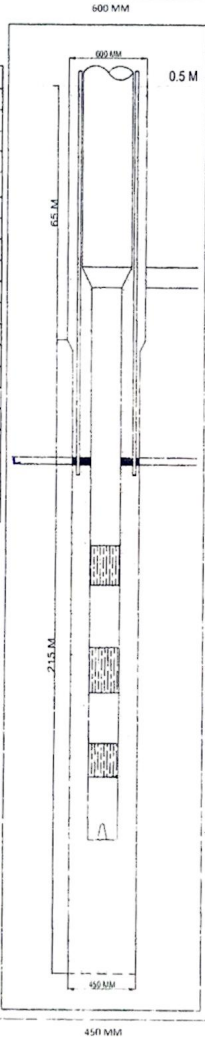


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Belhaura, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023

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

SI No	Strata			
1	0	5	M	Surface Soil
2	5	10	M	Clay Kankar
3	10	40	M	Fine to Med Sand
4	40	45	M	Clay Kankar
5	45	64	M	Medium Sand
6	64	70	M	Clay Kankar
7	70	100	M	Med Sand, Kankar
8	100	116	M	Clay Kankar
9	116	130	M	Med Sand, Kankar
10	130	142	M	Clay Kankar
11	142	174	M	Medium Sand
12	174	183	M	Clay Kankar
13	183	194	M	Medium Sand
14	194	200	M	Clay Kankar
15	200	223	M	Medium Sand
16	223	230	M	Clay Kankar
17	230	240	M	Fine to Med Sand
18	240	251	M	Clay Kankar
19	251	262	M	Med Sand, Kankar
20	262	290	M	Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	650 LPM
4	Bore Size (MM)	:-	600 X 450
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	:-	278 M

Logging Report				
SI No	Depth (mbgl)	Thickness (m)	Remarks	
1	45 - 64	19	All Good	
2	70 - 100	30		
3	116 - 130	14		
4	142 - 174	32		
5	183 - 194	11		
6	200 - 223	23		
7	230 - 240	10		
8	251 - 262	11		

Description	Zone-1	Zone-2	Zone-3
	(230-240 M)	(200-223 M)	(183-194 M)
	Acceptable Limit/Test Result	Acceptable Limit/Test Result	Acceptable Limit/Test Result
Flouride (As F)*	1.00/0.436	1.00/0.394	1.00/0.506
Iron (As Fe)*	1.00/0.470	1.00/0.700	1.00/1.330
Total Arsenic (As As)*	0.01/0.010	0.01/0.010	0.01/0.014

53.5 M			
53.7 M			
176.0 M			
177.0 M			
216.5 M			
6.0 M			
222.5 M			
230.5			
9 M			
239.5			
251.5 M			
9 M			
260.5 M			
266.5 M			
11	Details of Lowered Assembly		
i)	300	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M S Slotted pipe	24.0 M
iii)	150	MM Dia M S Plain pipe	18.6 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total	267.00 Meter
		AGL	0.50 Meter
		BGL	266.50 Meter
12	90 MM Dia UPVC	178.50	157.00 Meter
13	Date of Lowering		29.01.2024

Recommended & Prepared by: M/S NCC Ltd
 Verified by: M/S Ceinsys Tech Ltd
 Recommended by: 13th Division UP Jal Nigam (R) Lucknow
 Approved by: 13th Division UP Jal Nigam (R) Lucknow

VIKAS KUMAR
 JUNIOR ENGINEER
 DIVISIONAL OFFICER (TAM)
 U.P. JAL NIGAM (R)
 LUCKNOW

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

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 278 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 = 22.73 Ohms.

Drilling Water Resistivity = 23.86 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 - 10	5	Clay kankar	
3.	10 - 40	16	Fine to Medium sand	
4.	40 - 45	24	Clay kankar	
5.	45 - 64*	34	Medium sand	Good
6.	64 - 70	6	Clay kankar	
7.	70 - 100*	17	Medium sand & kankar	Good
8.	100 - 116	8	Clay kankar	
9.	116 - 130*	26	Medium sand & kankar	Good
10.	130 - 142	9	Clay kankar	
11.	142 - 174*	13	Medium sand	Good
12.	174 - 183	7	Clay kankar	
13.	183 - 194*	10	Medium sand	Good
14.	194 - 200	28	Clay kankar	
15.	200 - 223*	23	Medium sand	Good
16.	223 - 230	5	Clay kankar	
17.	230 - 240*	15	Medium sand	Good
18.	240 - 251	9	Clay kankar	
19.	251 - 262*	7	Medium sand & kankar	Good
20.	262 - 278	10	Clay kankar	

Ground Water Survey Consultancy

