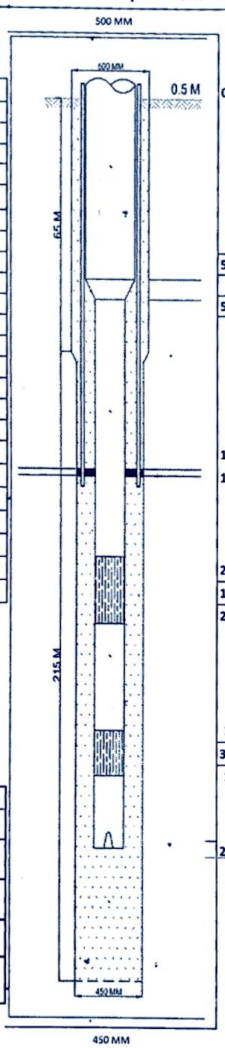
Completion Plan Of Tubewell

Name Of Work	:-	Construction of T. W. of G.P. BASAIGAPUR, Block- Phool Behar, 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	:-	648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

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

Sl No	Strata				
1	0	-	5	M,	Surface Soil
2	5	-	30	M,	Clay Kankar
3	30	-	35	M,	Fine to Med. Sand
4	35	-	41	M,	Clay Kankar
5	41	-	52	M,	Medium Sand
6	52	-	60	M,	Clay Kankar
7	60	-	70	M,	Medium Sand
8	70	-	76	M,	Clay Kankar
9	76	-	90	M,	Medium Sand
10	90	-	94	M,	Clay Kankar
11	94	-	104	M,	Medium Sand
12	104	-	120	M,	Clay Kankar
13	120	-	153	M,	Medium Sand
14	153	-	180	M,	Clay Kankar
15	180	-	189	M,	Medium Sand
16	189	-	200	M,	Clay Kankar
17	200	-	222	M,	Medium Sand
18	222	-	288	M,	Clay Kankar
19	235	-	239	M,	Fine to Med. Sand
20	239	-	258	M,	Clay Kankar
21	258	-	260	M,	Medium Sand
22	260	-	265	M,	Clay Kankar



0.5 M
53.5 M
53.7 M
155.0 M
156.0 M
203.7 M
12.0 M
215.7 M
235.5 M
3 M
238.5 M
241.5 M

ABSTRACT

1	Type of Rig Machine	:-	DC/RC		
2	Static Water level	:-			
3	Required Discharge	:-	400	LPM	
4	Bore Size (MM)	:-	500 X	450	
5	Assembly Size (MM)	:-	200 X	150	
6	Drilling Starting Date	:-	05-01-2024		
7	Drilling Completion Date	:-	09-01-2024		
8	Total Depth Of Drilling	:-	280	M	
9	Logging Date	:-	10-01-2024		
10	Logging Depth	:-	265	M	

Logging Report

Sl No	Depth (mbgl)			Thickness (m)	Remarks
1	60	-	70	10	All Good
2	76	-	90	14	
3	94	-	104	10	
4	120	-	153	33	
5	180	-	189	9	
6	200	-	222	22	
7	235	-	239	4	
8	258	-	260	2	

Description	Zone-1 (200-222 M) Acceptable Limit/Test Result	Zone-2 (180-189 M) Acceptable Limit/Test Result	
Flouride (As F)*	1.00/0.956	1.00/1.142	
Iron (As Fe)*	1.00/0.520	1.00/0.850	
Total Arsenic (As As)*	0.01/007	0.01/0.009	

11	Details of Lowered Assembly				
i)	200	MM Dia Housing Pipe	:-	54.0	M
ii)	150	MM Dia M. S. Slotted pipe	:-	15.0	M
iii)	150	MM Dia M. S. Plain pipe	:-	172.8	M
iv)	200 X 150	MM Dia M S Reducer		0.2	M
		Total	:-	242.00	Meter
		AGL	:-	0.50	Meter
		BGL	:-	241.50	Meter
12	90 MM Dia UPVC		:- 157.50	315.00	Meter
13	Date of Lowering		:-	13.02.2024	

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

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

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

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 265 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 10.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 = 16.14 Ohms.

Drilling Water Resistivity = 23.09 Ohms.

Approx Water Level = 4 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 30	25	Clay kankar	
3.	30 - 35	5	Fine to Medium sand	
4.	35 - 41	6	Clay kankar	
5.	41 - 52	11	Medium sand	
6.	52 - 60	8	Clay kankar	
7.	60 - 70*	10	Medium sand	Good
8.	70 - 76	6	Clay kankar	
9.	76 - 90*	14	Medium sand	Good
10.	90 - 94	4	Clay kankar	
11.	94 - 104*	10	Medium sand	Good
12.	104 - 120	16	Clay kankar	
13.	120 - 153*	33	Medium sand	Good
14.	153 - 180	27	Clay kankar	
15.	180 - 189*	9	Medium sand	Good
16.	189 - 200	11	Clay kankar	
17.	200 - 222*	22	Medium sand	Good
18.	222 - 235	13	Clay kankar	
19.	235 - 239	4	Fine to Medium sand	Good
20.	239 - 258	19	Clay kankar	
21.	258 - 260	2	Medium sand	Good
22.	260 - 265	5	Clay kankar	

Ground Water Survey Consultancy
Agra