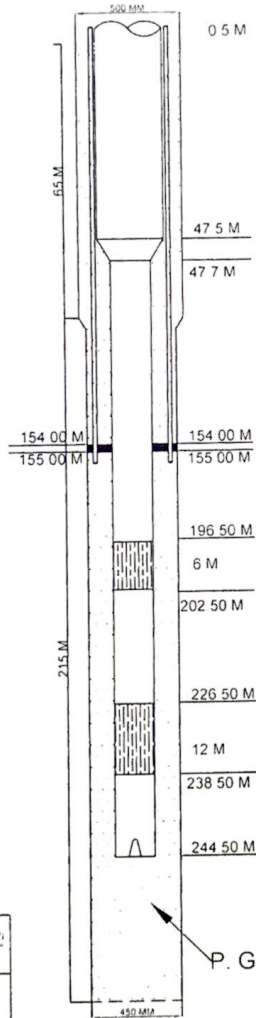


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Makanpur Block-Palia, 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 Dated on 12.03.2021
Cover Agreement :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023
Lowered Assembly Chart of T. W. of G.P. of Makanpur W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M	Surface soil
5-30 M	Medium Sand
30-39 M	Clay kankar
39-42 M	Fine to Med Sand
42-49 M	Clay Kankar
49-51 M	Fine Sand
51-64 M	Clay kankar
64-90 M	Med Sand Kankar
90-101 M	Clay Kankar
101-118 M	Med Sand, Kankar
118-136 M	Clay Kankar
136-140 M	Fine to Med sand
140-145 M	Clay Kankar
145-152 M	Med Sand
152-168 M	Clay Kankar
168-171 M	Fine Sand
171-186 M	Clay Kankar
186-203 M	Med Sand
203-223 M	Clay Kankar
223-240 M	Med Sand
240-263 M	Clay Kankar
263-272 M	Med Sand
272-280 M	Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 500 LPM
4	Bore Size (MM)	- 500x450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 23 01 2024
7	Drilling Completion Date	- 27 01 2024
8	Total Depth Of Drilling	- 280 M
9	Logging Date	- 28 01 2024
10	Logging Depth	- 280 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	64-90	26	Fine to Medium Sand (Good All)
2	101-118	17	
3	145-152	07	
4	186-203	17	
5	223-240	17	
6	263-272	09	

11. Details of Lowered Assembly

i)	200 mm Dia Housing Pipe	- 48 00 Meter
ii)	150 mm Dia M. S Slotted pipe	- 18 00 Meter
iii)	150 mm Dia M. S Plain pipe	- 178 80 Meter
iv)	200 x 150 mm Dia M S Reducer	- 0 20 Meter
		Total - 245 00 Meter
		AGI - 00 50 Meter
		BGL - 244 50 Meter
12	90mm dia uPVC	- 150 5x2=313 Meter
13.	Date of Lowering	- 06 03 2024


Recommended by

Approved by

Sr No	Description	Zone 1 (223-240 M)	Zone 2 (186-203 M)	Zone 3 (145-152 M)
1	Fluoride (as F)	1 00 / 0 552	1 00 / 0 654	1 00 / 0 752
2	Iron (As Fe)	1 00 / 0 350	1 00 / 0 620	1 00 / 0 850
3	Total Arsenic (As As)	0 01 / 0 009	0 01 / 0 009	0 01 / 0 016

Recommended & Prepared by

Verified by


 JE
 Division Office (E/M)
 UP Jal Nigam (R)
 Lucknow

A.E.
 Division Office (E/M)
 UP Jal Nigam (R)
 Lucknow

E.E.
 Division Office (E/M) UP Jal
 Nigam (R) Lucknow

M/S NCC Ltd.

M/S. Ceinsys Tech Ltd.

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

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 280 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 28.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 = Mankapur

Mud Resistivity = 31.19 Ohms.

Latitude = 28.4769°

Drilling Water Resistivity = 37.72 Ohms.

Longitude = 80.6007183333333°

Approx Water Level = 2 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 30	25	Medium sand	Good
3.	30 - 39	9	Clay kankar	
4.	39 - 42	3	Fine to Medium sand	Good
5.	42 - 49	7	Clay kankar	
6.	49 - 51	2	Fine sand	Good
7.	51 - 64	13	Clay kankar	
8.	64 - 90*	26	Medium sand & kankar	Good
9.	90 - 101	11	Clay kankar	
10.	101 - 118*	17	Medium sand & kankar	Good
11.	118 - 136	18	Clay kankar	
12.	136 - 140	4	Fine to Medium sand	Good
13.	140 - 145	5	Clay kankar	
14.	145 - 152*	7	Medium sand	Good
15.	152 - 168	16	Clay kankar	
16.	168 - 171	3	Fine sand	Good
17.	171 - 186	15	Clay kankar	
18.	186 - 203*	17	Medium sand	Good
19.	203 - 223	20	Clay kankar	
20.	223 - 240*	17	Medium sand	Good
21.	240 - 263	23	Clay kankar	
22.	263 - 272*	9	Medium sand	Good
23.	272 - 280	8	Clay kankar	

Ground Water Survey Consultancy

