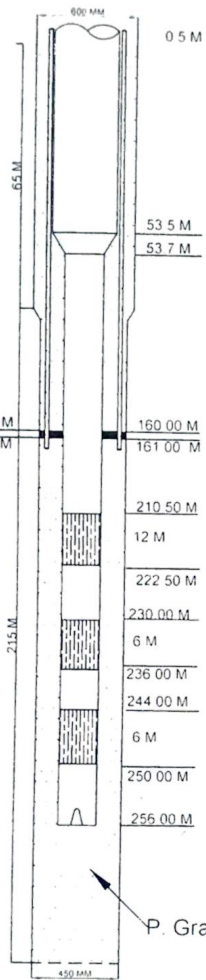


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Babaura Zone-2 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 :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023
Lowered Assembly Chart of T. W of G.P. of Babaura Zone-2 W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M Surface Clay
5-10 M Clay Kankar
10-20 M Fine Sand
20-30 M Clay Kankar
30-38 M Medium Sand
38-42 M Clay Kankar
42-61 M Medium Sand
61-68 M Clay Kankar
68-81 M Medium Sand
81-90 M Clay Kankar
90-96 M Medium Sand
96-102 M Clay Kankar
102-105 M Fine to Med Sand
105-110 M Clay Kankar
110-115 M Medium Sand
115-120 M Clay Kankar
120-130 M Medium Sand
130-135 M Clay Kankar
135-158 M Medium Sand
156-166 M Clay Kankar
166-188 M Medium Sand
188-210 M Clay Kankar
210-223 M Medium Sand
223-233 M Clay Kankar
233-239 M Medium Sand
239-244 M Clay Kankar
244-250 M Medium Sand
250-257 M Clay Kankar
257-265 M Medium Sand
265-280 M Clay Kankar



ABSTRACT

1	Type of Rig Machine	- DC/RC
2	Static Water level	-
3	Required Discharge	- 550 LPM
4	Bore Size (MM)	- 500x 450
5	Assembly Size (MM)	- 200 x 150
6	Drilling Starting Date	- 01 01 2024
7	Drilling Completion Date	- 04 01 2024
8	Total Depth Of Drilling	- 285 M
9	Logging Date	- 05 01 2024
10	Logging Depth	- 270 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	42-61	19	Fine to Medium Sand (Good All)
2	68-81	13	
3	90-96	06	
4	110-115	05	
5	120-130	10	
6	135-158	23	
7	166-188	22	
8	210-223	13	
9	233-239	06	
10	244-250	06	
11	257-265	08	

Sr No	Description	Zone-1 (233-236 M)	Zone-2 (120-223 M)	Zone-3 (166-188 M)
1	Fluoride (as F ⁻)	1.00 / 0.532	1.00 / 0.598	1.00 / 0.982
2	Iron (As Fe ⁺)	1.00 / 0.320	1.00 / 0.650	1.00 / 0.890
3	Total Arsenic (As As)	0.01 / 0.005	0.01 / 0.009	0.01 / 0.014

11. Details of Lowered Assembly

i) 200 mm Dia Housing Pipe	- 54.00 Meter
ii) 150 mm Dia M S Slotted pipe	- 24.00 Meter
iii) 150 mm Dia M S Plain pipe	- 178.30 Meter
iv) 200 x 150 mm Dia M S Reducer	- 0.20 Meter
Total - 256.50 Meter	
AGI - 00.50 Meter	
BGL - 256.00 Meter	
12 90mm dia uPVC	- 162.5x2=325 Meter
13 Date of Lowering	- 06 03 2024

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S NCC Ltd

M/S Ceinsys Tech Ltd

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

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

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

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- BABAURA, BLOCK- PALIA, DISTT-LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 285 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 05.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 = 18.43 Ohms.
Drilling Water Resistivity = 19.69 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 - 10	5	Clay kankar	
3.	10 - 20	10	Fine sand	
4.	20 - 30	5	Clay kankar	
5.	30 - 38	8	Medium sand	Good
6.	38 - 42	4	Clay kankar	
7.	42 - 61*	19	Medium sand	Good
8.	61 - 68	7	Clay kankar	
9.	68 - 81*	13	Medium sand	Good
10.	81 - 90	9	Clay kankar	
11.	90 - 96*	6	Medium sand	Good
12.	96 - 102	6	Clay kankar	
13.	102 - 105	3	Fine to medium sand	Good
14.	105 - 110	5	Clay kankar	
15.	110 - 115*	5	Medium sand	Good
16.	115 - 120	5	Clay kankar	
17.	120 - 130*	10	Medium sand	Good
18.	130 - 135	5	Clay kankar	
19.	135 - 158*	23	Medium sand	Good
20.	158 - 166	8	Clay kankar	
21.	166 - 188*	22	Medium sand	Good
22.	188 - 210	22	Clay kankar	
23.	210 - 223*	13	Medium sand	Good
24.	223 - 233	10	Clay kankar	
25.	233 - 239*	6	Medium sand	Good
26.	239 - 244	5	Clay kankar	
27.	244 - 250*	6	Medium sand	Good
28.	250 - 257	7	Clay kankar	
29.	257 - 265*	8	Medium sand	Good
30.	265 - 270	5	Clay kankar	

Ground Water Survey Consultancy

