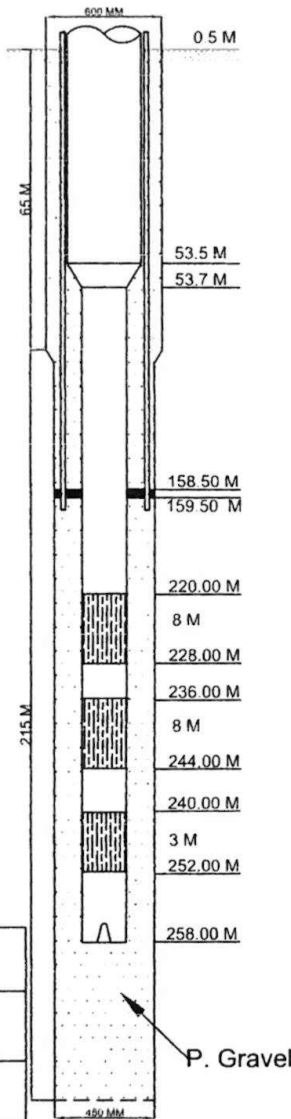


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Kotheya 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 :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023
Lowered Assembly Chart of T. W of Kotheya G.P W/S Scheme District :- Lakhimpur Kheri.

Strata

0-5 M, Surface Clay
5-8 M, Clay Kankar
8-27 M, Fine to Med. Sand
27-32 M, Clay Kankar
32-48M, Fine to Medium Sand
48-52 M, Clay Kankar
52-88 M, Medium Sand
88-94 M, Clay Kankar
94-100 M, Medium Sand
100-107 M, Clay Kankar
107-111 M, Medium Sand
111-117 M, Clay Kankar
117-121 M, Medium Sand
121-129 M, Clay Kankar
129-142 M, Medium Sand
142-151 M, Clay Kankar
151-153 M, Medium Sand
153-172 M, Clay Kankar
172-188 M, Medium Sand
188-191 M, Clay Kankar
191-199 M, Medium Sand
199-210 M, Clay Kankar
210-215 M, Medium Sand
215-220 M, Clay Kankar
220-228 M, Medium Sand
228-236 M, Clay Kankar
236-244 M, Medium Sand
244-249 M, Clay Kankar
249-252 M, Medium Sand
252-263 M, Clay Kankar
263-265 M, Fine Clay
265-280 M, Clay Kankar



ABSTRACT

1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 540 LPM
4	Bore Size (MM)	:- 600x450
5	Assembly Size (MM)	:- 300 x 150
6	Drilling Starting Date	:- 22.11.2023
7	Drilling Completion Date	:- 26.11.2023
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 27.11.2023
10	Logging Depth	:- 263 M

Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	52-88	36	Fine to Medium Sand (Good All)
2	94-100	06	
3	107-111	04	
4	117-121	04	
5	129-142	13	
6	172-188	16	
7	191-199	08	
8	210-215	05	
9	220-228	08	
10	236-244	08	
11	249-252	03	

11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe	:- 54.00 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 19.00 Meter
iii) 150 mm Dia M. S. Plain pipe	:- 185.30 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total	:- 258.50 Meter
AGI	:- 00.50 Meter
BGL	:- 258.00 Meter
12. 90mm dia uPVC	:- 160.5x2=321 Meter
13. Date of Lowering	:- 16.12.2023

Sr. No	Description	Zone-1 (236-244 M) Analytical Limit Test result	Zone-2 (220-228 M) Analytical Limit Test result	Zone-3 (191-199 M) Analytical Limit Test result
1	Fluoride (as F) ⁻	1.00 / 0.332	1.00 / 0.355	1.00 / 0.395
2	Iron (As Fe) ⁺	1.00 / 0.670	1.00 / 0.630	1.00 / 1.260
3	Total Arsenic (As As)	0.01 / 0.003	0.01 / 0.009	0.01 / 0.011

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

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UP Jal Nigam (R)
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KOTHIYA, BLOCK- NAKAHA, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 290 mtrs. depth. and Logged depth 268 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 17.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 = 22.59 Ohms.

Drilling Water Resistivity = 23.81 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 - 42	32	Medium sand	Good
4.	42 - 50	8	Clay kankar	
5.	50 - 74*	24	Medium sand	Good
6.	74 - 80	6	Clay kankar	
7.	80 - 110*	30	Medium sand & kankar	Good
8.	110 - 120	10	Clay kankar	
9.	120 - 130*	10	Medium sand	Good
10.	130 - 138	8	Clay kankar	
11.	138 - 155*	17	Medium sand	Good
12.	155 - 164	9	Clay kankar	
13.	164 - 170	6	Fine sand	Good
14.	170 - 177	7	Clay kankar	
15.	177 - 198*	21	Medium sand	Good
16.	198 - 201	3	Clay kankar	
17.	201 - 220*	19	Fine to Medium sand	Good
18.	220 - 225	5	Clay kankar	
19.	225 - 251*	26	Medium sand	Good
20.	251 - 260	9	Clay kankar	
21.	260 - 268*	8	Fine to medium sand	Good

Ground Water Survey Consultancy

