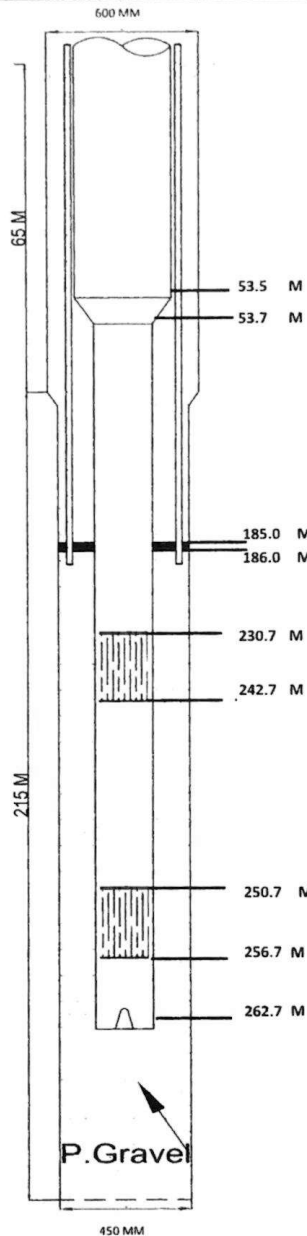


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Lakesear, Block- Lakhimpur, 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 :- 803/ED/Phase-2/2023-24/XVIII, Dt. 08.05.2023

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

Strata		
0 - 5	M Surface Soil	
5 - 8	M Medium Sand	
8 - 26	M Clay Kankar	
26 - 40	M Medium Sand	
40 - 54	M. Clay Kankar	
54 - 63	M Medium Sand	
63 - 70	M Clay Kankar	
70 - 75	M. Medium Sand	
75 - 85	M Clay Kankar	
85 - 110	M Medium Sand	
110 - 115	M Clay Kankar	
115 - 119	M. Medium Sand	
119 - 130	M Clay Kankar	
130 - 132	M Medium Sand	
132 - 160	M. Clay Kankar	
160 - 167	M. Medium Sand	
167 - 175	M. Clay Kankar	
175 - 184	M. Clay Kankar	
184 - 191	M. Clay Kankar	
191 - 223	M. Clay Kankar	
223 - 230	M. Clay Kankar	
230 - 244	M. Clay Kankar	
244 - 250	M. Clay Kankar	
250 - 260	M. Clay Kankar	
260 - 280	M. Clay Kankar	



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 450 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 05-10-23
7	Drilling Completion Date	:- 09-10-23
8	Total Depth Of Drilling	:- 280 M
9	Logging Date	:- 10-10-23
10	Logging Depth	:- 280 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	85 - 110	25	(Good All)
2	115 - 119	4	
3	160 - 167	7	
4	175 - 184	9	
5	119 - 223	104	
6	230 - 244	14	
7	250 - 260	10	

Sl No	Description	Zone-1 (230-244 M) Acceptable Limit / Test result	Zone-2 (191 M-223 M) Acceptable Limit / Test result	Zone-3 (175-184 M) Acceptable Limit / Test result
1	Fluoride (as F ⁻)	1/549	1/636	1/820
2	Iron (As Fe ⁺)	1/740	1/430	1/430
3	Total Arsenic (As As ⁺)	0.01/006	0.01/012	0.01/012

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 54.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 18.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 191.0 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total	:- 263.20 m
		AGL	:- 0.50 m
		BGL	:- 262.70 m
12	90mm dia uPVC	:-	376.00
13	Date of Lowering	:-	22-10-23

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- LAKESAR, BLOCK- LAKHIMPUR, 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 10.Oct.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 = 18.45 Ohms.

Drilling Water Resistivity = 19.20 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 - 8	3	Fine sand	
3.	8 - 26	18	Clay kankar	
4.	26 - 40	14	Medium sand	Good
5.	40 - 54	14	Clay kankar	
6.	54 - 63*	9	Medium sand	Good
7.	63 - 70	7	Clay kankar	
8.	70 - 75*	5	Fine to medium sand	Good
9.	75 - 85	10	Clay kankar	
10.	85 - 110*	25	Medium sand	Good
11.	110 - 115	5	Clay kankar	
12.	115 - 119*	4	Fine to medium sand	Good
13.	119 - 130	11	Clay kankar	
14.	130 - 132	2	Fine sand	Good
15.	132 - 160	28	Clay kankar	
16.	160 - 167*	7	Fine to medium sand	Good
17.	167 - 175	8	Clay kankar	
18.	175 - 184*	9	Medium sand	Good
19.	184 - 191	7	Clay kankar	
20.	191 - 223*	32	Medium sand & kankar	Good
21.	223 - 230	7	Clay kankar	
22.	230 - 244*	14	Medium sand	Good
23.	244 - 250	6	Clay kankar	
24.	250 - 260*	10	Medium sand	Good
25.	260 - 280	20	Clay kankar	

Ground Water Survey Consultancy

