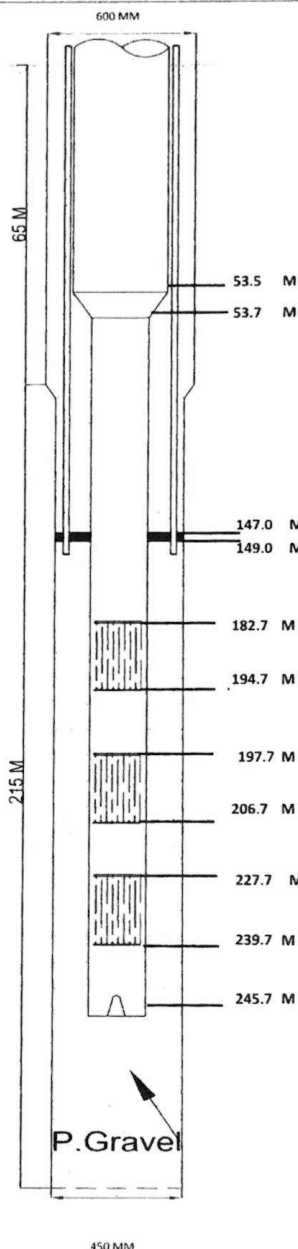


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. KORJA CHAMRU, PIPRA KARAMCHAND, 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 TP1 :- Ceinsys Tech Limited
Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
Cover Agreement :- 585/ED/Phase-2/2022-23/XV, Dt. 20.03.2023

Lowered Assembly Chart of T. W of KORJA CHAMRU, PIPRA KARAMCHAND G.P W/S Scheme District :- Lakhimpur Kheri.

Strata		
0 - 5	M, Surface Soil	
5 - 28	M, Clay Kankar	
28 - 40	M, Medium Sand	
40 - 52	M, Clay Kankar	
52 - 59	M, Medium Sand	
59 - 68	M, Clay Kankar	
68 - 90	M, Medium Sand	
90 - 102	M, Clay Kankar	
102 - 108	M, Medium Sand	
108 - 117	M, Clay Kankar	
117 - 130	M, Medium Sand	
130 - 150	M, Clay Kankar	
150 - 169	M, Medium Sand	
169 - 180	M, Clay Kankar	
180 - 208	M, Medium Sand	
208 - 226	M, Clay Kankar	
226 - 245	M, Medium Sand	
245 - 253	M, Clay Kankar	
253 - 262	M, Fine to medium sand	
262 - 269	M, Clay Kankar	



ABSTRACT		
1	Type of Rig Machine :-	DC/RC
2	Static Water level :-	
3	Required Discharge :-	950 LPM
4	Bore Size (MM) :-	600 X 450
5	Assembly Size (MM) :-	300 X 150
6	Drilling Starting Date :-	24-09-23
7	Drilling Completion Date :-	28-09-23
8	Total Depth Of Drilling :-	280 M
9	Logging Date :-	29-09-23
10	Logging Depth :-	269 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	52 - 59	7	(Good All)
2	68 - 90	22	
3	102 - 108	6	
4	117 - 130	13	
5	150 - 169	19	
6	180 - 208	28	
6	226 - 245	19	
6	253 - 262	9	

Sl No	Description	Zone-1 (185m to 208m) Acceptable Limit / Test result	Zone-2 (150m to 169m) Acceptable Limit / Test result
1	Fluoride (as F ⁻)	1/0.242	1/0.249
2	Iron (As Fe)*	1/0.524	1/0.489
3	Total Arsenic (As As)	0.01/0.001	0.01/0.014

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	54.0 M
ii)	150	MM Dia M. S. Slotted pipe	33.0 M
iii)	150	MM Dia M. S. Plain pipe	159.0 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total :-	246.20 m
		AGL :-	0.50 m
		BGL :-	245.70 m
12	90mm dia uPVC	:-	165.5 x 2 = 331.0 Meter
13	Date of Lowering	:-	10-10-23

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- KORIA CHAMRU, BLOCK- LAKHIMPUR,
DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 269 mtrs. at above site. Was drilled by M/s NCC Ltd., Lakhimpur Khiri.

On the request of M/s NCC Ltd., Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Sep.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 = 21.46 Ohms.

Drilling Water Resistivity = 22.57 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 - 28	23	Clay kankar	
3.	28 - 40	12	Medium sand	
4.	40 - 52	12	Clay kankar	
5.	52 - 59*	7	Medium sand	Good
6.	59 - 68	9	Clay kankar	
7.	68 - 90*	22	Medium sand	Good
8.	90 - 102	12	Clay kankar	
9.	102 - 108*	6	Medium sand	Good
10.	108 - 117	9	Clay kankar	
11.	117 - 130*	13	Medium sand	Good
12.	130 - 150	20	Clay kankar	
13.	150 - 169*	19	Medium sand	Good
14.	169 - 180	11	Clay kankar	
15.	180 - 208*	28	Medium sand	Good
16.	208 - 226	18	Clay kankar	
17.	226 - 245*	19	Medium sand	Good
18.	245 - 253	8	Clay kankar	
19.	253 - 262*	9	Fine to Medium sand	Good
20.	262 - 269	7	Clay kankar	

Ground Water Survey Consultancy

