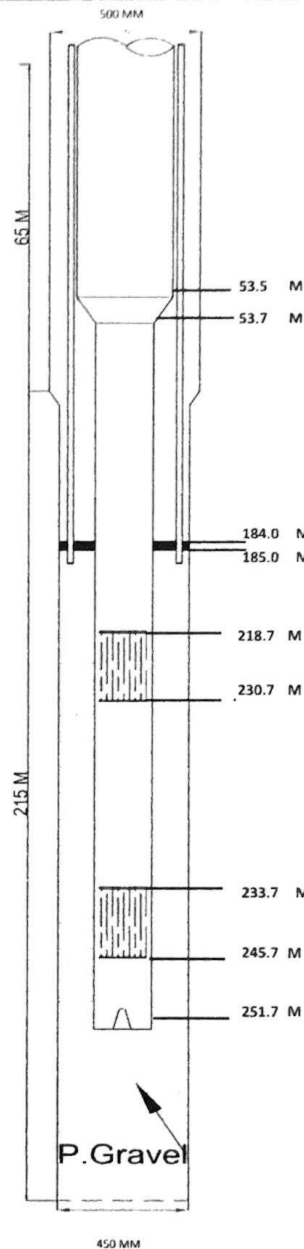


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Manikpur, 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 :- 816/ED/Phase-2/2023-24/XIX, Dt. 11.05.2023

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

Strata	
0 - 5	M, Surface Soil
5 - 14	M, Clay Kankar
14 - 38	M, Medium Sand
38 - 51	M, Clay Kankar
51 - 70	M, Medium Sand
70 - 78	M, Clay Kankar
78 - 84	M, Medium Sand
84 - 100	M, Clay Kankar
100 - 127	M, Medium Sand & Kankar
127 - 145	M, Clay Kankar
145 - 162	M, Medium Sand
162 - 175	M, Clay Kankar
175 - 182	M, Medium Sand
182 - 188	M, Clay Kankar
188 - 202	M, Medium Sand
202 - 215	M, Clay Kankar
215 - 250	M, Medium Sand & Kankar
250 - 258	M, Clay Kankar
258 - 262	M, Medium Sand
262 - 270	M, Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 550 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 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	:- 270 M

Logging Report			
Sl No	Depth (m bgl)	Thickness (m)	Remarks
1	100 - 127	27	(Good All)
2	145 - 162	17	
3	175 - 182	7	
4	188 - 202	14	
5	215 - 250	35	
6	258 - 262	4	

Sl No	Description	Zone-1 (215-250 M) Acceptable Limit / Test result	Zone-2 (188-202 M) Acceptable Limit / Test result	Zone-3 (175-182 M) Acceptable Limit / Test result
1	Fluoride (as F ⁻)	1/ 560	1/ 560	1/ 594
2	Iron (As Fe ²⁺)	1/ 860	1/ 530	1/ 1330
3	Total Arsenic (As As)	0 01/ 009	0 01/ 014	0 01/ 020

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	:- 54 0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 24 0 M
iii)	150	MM Dia M. S. Plain pipe	:- 174 0 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	:- 252.20 m
		AGL	:- 0.50 m
		BGL	:- 251.70 m
12	90mm dia UPVC	:-	374 00
13	Date of Lowering	:-	22-10-23

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd

[Signature]
J E
Division Office (E/M) UP Jal Nigam (R) Lucknow

Recommended by
[Signature]
A. E.
Division Office (E/M) UP Jal Nigam (R) Lucknow

Approved by
[Signature]
T. C.
Division Office (E/M) UP Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 280 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 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 = 16.50 Ohms.

Drilling Water Resistivity = 17.50 Ohms.

Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Clay kankar	
3.	14 - 38	24	Medium sand	Good
4.	38 - 51	13	Clay kankar	
5.	51 - 70*	19	Medium sand	Good
6.	70 - 78	8	Clay kankar	
7.	78 - 84*	6	Medium sand	Good
8.	84 - 100	16	Clay kankar	
9.	100 - 27*	27	Medium sand & kankar	Good
10.	127 - 145	18	Clay kankar	
11.	145 - 162*	17	Medium sand	Good
12.	162 - 175	13	Clay kankar	
13.	175 - 182*	7	Medium sand	Good
14.	182 - 188	6	Clay kankar	
15.	188 - 202*	14	Medium sand	Good
16.	202 - 215	13	Clay kankar	
17.	215 - 250*	35	Medium sand & kankar	Good
18.	250 - 258	8	Clay kankar	
19.	258 - 262	4	Fine sand	Good
20.	262 - 270	8	Clay kankar	

