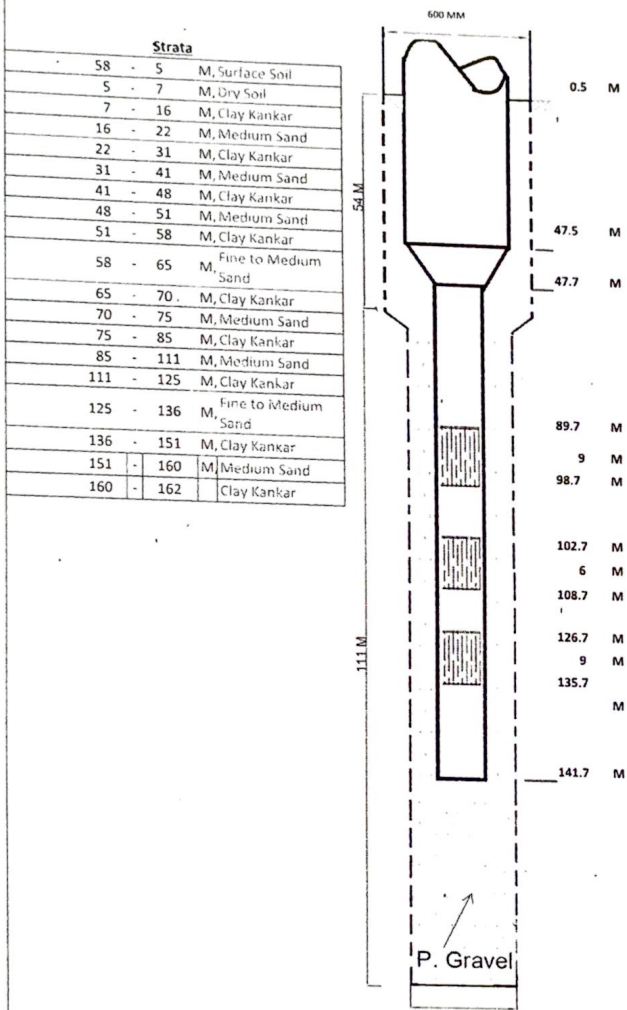


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. TIKHARA, Block- Bijua, 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 :- 711/ED/Phase-2/2023-24/XVII, Dt. 05.04.2023

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



Strata	
58 - 5	M, Surface Soil
5 - 7	M, Dry Soil
7 - 16	M, Clay Kankar
16 - 22	M, Medium Sand
22 - 31	M, Clay Kankar
31 - 41	M, Medium Sand
41 - 48	M, Clay Kankar
48 - 51	M, Medium Sand
51 - 58	M, Clay Kankar
58 - 65	M, Fine to Medium Sand
65 - 70	M, Clay Kankar
70 - 75	M, Medium Sand
75 - 85	M, Clay Kankar
85 - 111	M, Medium Sand
111 - 125	M, Clay Kankar
125 - 136	M, Fine to Medium Sand
136 - 151	M, Clay Kankar
151 - 160	M, Medium Sand
160 - 162	Clay Kankar

ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	440 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	200 X 150
6	Drilling Starting Date	:-	30-10-2023
7	Drilling Completion Date	:-	03-11-2023
8	Total Depth Of Drilling	:-	162 M
9	Logging Date	:-	04-11-2023
10	Logging Depth	:-	162 M

Logging Report				
Sl No	Depth (mbgl)		Thickness (m)	Remarks
1	58	65	7	All Good
2	70	75	5	
	85	111	26	
	125	136	11	
	151	160	9	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	24.0 M
iii)	150	MM Dia M. S. Plain pipe	70.0 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total :-			142.20 Meter
AGL :-			0.50 Meter
BGL :-			141.70 Meter
12	Date of Lowering	:-	05-11-2023

Recommended & Prepared by: M/S. NCC Ltd.
 Verified by: J.E. (Signature), M/S Ceinsys Tech Ltd.
 Recommended by: A.E. (Signature), 13th Division UP Jal Nigam (R) Lucknow
 Approved by: E.E. (Signature), 13th Division U.P. Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 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 04.Nov.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 = 20.20 Ohms.

Drilling Water Resistivity = 21.22 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 - 7	2	Dry sand	
3.	7 - 16	9	Clay kankar	
4.	16 - 22	6	Medium sand	Good
5.	22 - 31	9	Clay kankar	
6.	31 - 41	10	Medium sand	Good
7.	41 - 48	7	Clay kankar	
8.	48 - 51*	3	Medium sand	Good
9.	51 - 58	7	Clay kankar	
10.	58 - 65*	7	Medium sand	Good
11.	65 - 70	5	Clay kankar	
12.	70 - 75*	5	Medium sand	Good
13.	75 - 85	10	Clay kankar	
14.	85 - 111*	26	Medium sand	Good
15.	111 - 125	14	Clay kankar	
16.	125 - 136*	11	Fine to medium sand	Good
17.	136 - 151	17	Clay kankar	
18.	151 - 160*	9	Medium sand	Good
19.	160 - 162	2	Clay kankar	

Ground Water Survey Consultancy

