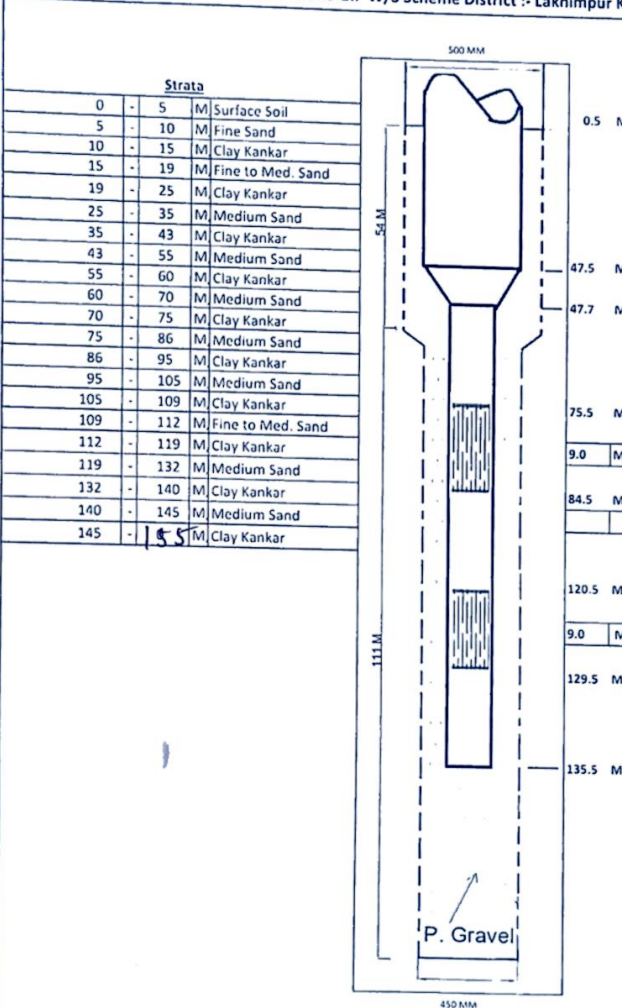


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Saunaha, 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 Dt. 12.03.2021
 Cover Agreement :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023

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



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 430 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 X 150
6	Drilling Starting Date	:- 05-02-2024
7	Drilling Completion Date	:- 09-02-2024
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 10-02-2024
10	Logging Depth	:- 155 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	43 - 55	12	All Good
2	60 - 70	10	
3	75 - 86	11	
4	109 - 112	3	
5	119 - 132	13	
6	140 - 145	5	

11 Details of Lowered Assembly			
i)	200	MM Dia Housing Pipe	:- 48.0 M
ii)	150	MM Dia M. S. Slotted pipe	:- 18.0 M
iii)	150	MM Dia M. S. Plain pipe	:- 69.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
		Total	136.00 Meter
		AGL	0.50 Meter
		BGL	135.50 Meter
12	Date of Lowering	:-	13.02.2024

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

REPORT ON GEOPHYSICAL WELL LOGGING

AT

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

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 155 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.Feb.2024.

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:-

Location = Saunaha

Latitude = 28.560856°

Longitude = 80.725362°

Mud Resistivity = 21.26 Ohms.

Drilling Water Resistivity = 21.05 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 19	4	Fine to Medium sand	Good
5.	19 - 25	6	Clay kankar	
6.	25 - 35	10	Medium sand	Good
7.	35 - 43	8	Clay kankar	
8.	43 - 55*	12	Medium sand	Good
9.	55 - 60	5	Clay kankar	
10.	60 - 70*	10	Medium sand	Good
11.	70 - 75	5	Clay kankar	
12.	75 - 86*	11	Medium sand	Good
13.	86 - 95	9	Clay kankar	
14.	95 - 105	10	Sand & kankar	Good
15.	105 - 109	4	Clay kankar	
16.	109 - 112*	3	Fine to Medium sand	Good
17.	112 - 119	7	Clay kankar	
18.	119 - 132*	13	Medium sand	Good
19.	132 - 140	8	Clay kankar	
20.	140 - 145*	5	Medium sand	Good
21.	145 - 155	10	Clay kankar	

Ground Water Survey Consultancy

Agra

