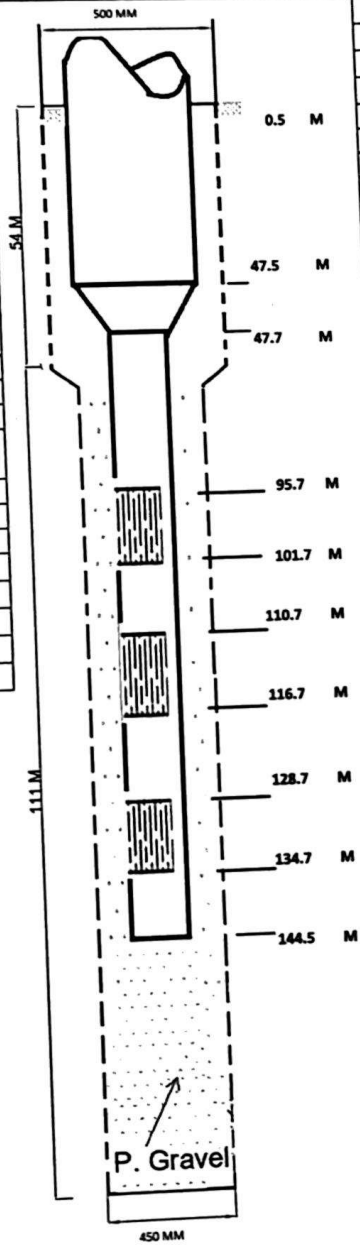


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. KHADWAMEETMAU, Block- Ishanagar, 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 :- 648/ED/Phase-2/2022-23/XVI, Dt. 23.03.2023

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

Strata		
0 - 5	M, Surface Soil	
5 - 8	M, Clay Kankar	
8 - 15	M, Fine Sand	
15 - 20	M, Clay Kankar	
20 - 43	M, Medium Sand	
43 - 48	M, Kankar	
48 - 60	M, Medium sand	
60 - 65	M, Clay Kankar	
65 - 70	M, Fine to medium sand	
70 - 75	M, Clay Kankar	
75 - 81	M, Medium Sand	
81 - 87	M, Clay Kankar	
87 - 105	M, Medium Sand & Kankar	
105 - 108	M, Kankar	
108 - 120	M, Medium sand	
120 - 126	M, Clay Kankar	
126 - 144	M, Medium Sand	
144 - 148	M, Kankar	
148 - 157	M, Medium Sand	
157 - 161	M, Clay Kankar	
161 - 165	M, Medium Sand	



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 470 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 X 150
6	Drilling Starting Date	:- 23-05-2023
7	Drilling Completion Date	:- 27-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 28-05-2023
10	Logging Depth	:- 165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	48 - 60	12	(Good All)
2	65 - 70	5	
3	75 - 81	6	
4	87 - 105	18	
5	108 - 120	12	
6	126 - 144	18	
7	148 - 157	9	

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	:- 78.8 M
iv)	200 X 150	MM Dia M S Reducer	0.2 M
Total :-			145.00 Meter
AGL :-			0.50 Meter
BGL :-			144.50 Meter
Date of Lowering :-			29-05-2023

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

Ashish Kumar
ASHISH KUMAR
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (E&M)
 U.P. JAL NIGAM (R)
 LUCKNOW

Recommended by
Vinod Kumar
VINOD KUMAR
 ASSISTANT ENGINEER
 DIVISIONAL OFFICER (E&M)
 U.P. Jal Nigam (R)
 Lucknow

Approved by
A.E.E.
A.E.E.
 13th Division U.P Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHADA WAMITMAU, BLOCK- ISHANAGAR, DISTT-LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 165 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 28.May.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 = 23.70 Ohms.

Drilling Water Resistivity = 24.63 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 15	7	Fine sand	
4.	15 - 20	5	Clay Kankar	
5.	20 - 43	23	Medium sand	Good
6.	43 - 48	5	Kankar	
7.	48 - 60*	12	Medium sand	Good
8.	60 - 65	5	Clay kankar	
9.	65 - 70*	5	Fine to Medium sand	Good
10.	70 - 75	5	Clay kankar	
11.	75 - 81*	6	Medium sand	Good
12.	81 - 87	6	Clay kankar	
13.	87 - 105*	18	Medium sand & kankar	Good
14.	105 - 108	3	Kankar	
15.	108 - 120*	12	Medium sand	Good
16.	120 - 126	6	Clay kankar	
17.	126 - 144*	18	Medium sand	Good
18.	144 - 148	4	Kankar	
19.	148 - 157*	9	Medium sand	Good
20.	157 - 161	4	Clay kankar	
21.	161 - 165*	4	Medium sand	Good

G.Sa
29/05/23



- Logging performed as per SWSM guidelines
- Ground water quality interpreted by firm as per their logger calibration.