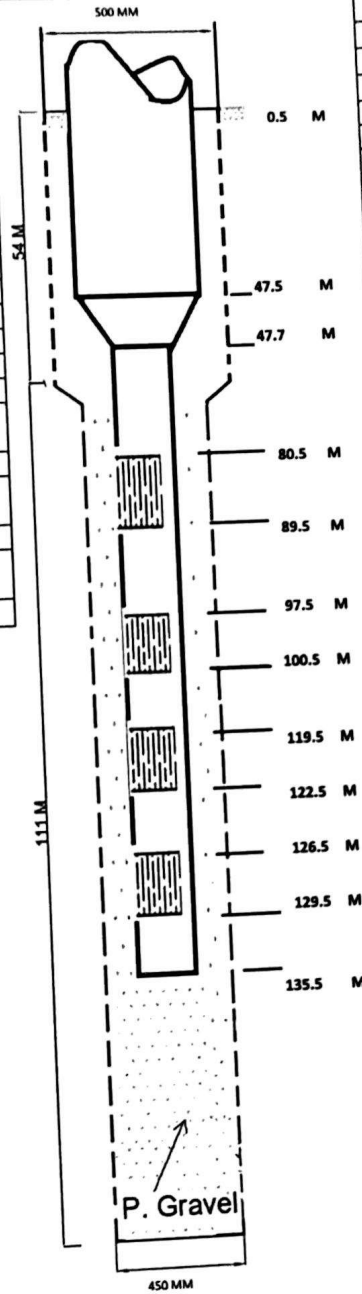


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. BHEDAURI, Block- Nighasan, 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 BHEDAURI G.P W/S Scheme District :- Lakhimpur Kheri.

Strata		
0 - 5	M, Surface Soil	
5 - 15	M, Fine Sand	
15 - 20	M, Clay Kankar	
20 - 30	M, Fine to Medium Sand	
30 - 40	M, Clay Kankar	
40 - 72	M, Medium Sand	
72 - 80	M, Clay Kankar	
80 - 90	M, Medium Sand	
90 - 96	M, Clay Kankar	
96 - 101	M, Medium Sand	
101 - 109	M, Clay Kankar	
109 - 131	M, Medium Sand & Kankar	
131 - 138	M, Clay Kankar	
138 - 143	M, Fine to Medium Sand	
143 - 148	M, Clay Kankar	
148 - 165	M, Medium Sand & Kankar	
165 - 167	M, Clay Kankar	



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 370 LPM
4	Bore Size (MM)	:- 500 X 450
5	Assembly Size (MM)	:- 200 X 150
6	Drilling Starting Date	:- 26-05-2023
7	Drilling Completion Date	:- 30-05-2023
8	Total Depth Of Drilling	:- 185 M
9	Logging Date	:- 31-05-2023
10	Logging Depth	:- 167 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	40 - 72	32	(Good All)
2	80 - 90	10	
3	96 - 101	5	
4	109 - 112	3	
5	119 - 123	4	
6	126 - 132	6	
7	138 - 143	5	
8	148 - 165	17	

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	:-	01-06-2023

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

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

Recommended by

Vinod Kumar
 ASSISTANT ENGINEER
 13th Division U.P. Jal Nigam (R) Lucknow
 Divisional officer (E&M)
 U.P. Jal Nigam (R)
 Lucknow

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

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

Introduction :

A Deep bore hole was drilled 185 mtrs. depth. and Logged depth 167 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 31.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 = 21.42 Ohms.

Drilling Water Resistivity = 23.16 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand	Good
3.	15 - 20	5	Clay kankar	
4.	20 - 30	10	Fine to Medium sand	Good
5.	30 - 40	10	Clay kankar	
6.	40 - 72*	32	Medium sand	Good
7.	72 - 80	8	Clay kankar	
8.	80 - 90*	10	Medium sand	Good
9.	90 - 96	6	Clay kankar	
10.	96 - 101*	5	Medium sand	Good
11.	101 - 109	8	Clay kankar	
12.	109 - 131*	22	Medium sand & kankar	Good
13.	131 - 138	7	Clay kankar	
14.	138 - 143*	5	Fine to Medium sand	Good
15.	143 - 148	5	Clay kankar	
16.	148 - 165*	17	Medium sand + Kankar	Good
17.	165 - 167	2	Clay kankar	

Sr No 12-109-112 (3m)

119-123 (4m)

126-132 (6m)

GSh
01/05/23



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