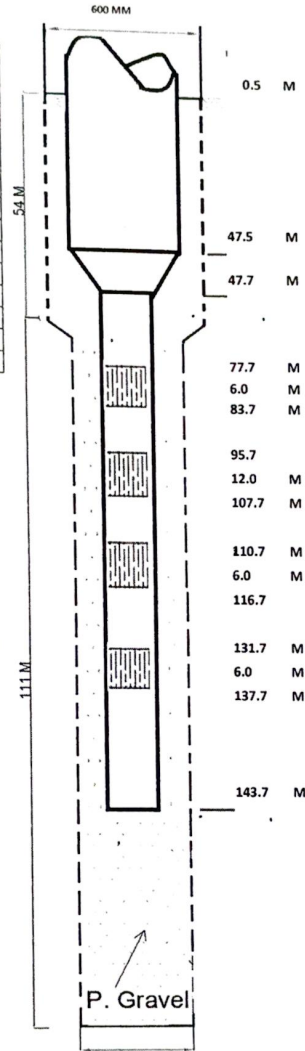


Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Dihua Kala, Block- Dhaurahara, District, Lakhimpur Kheri.
 Name Of Program :- J. I. 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 :- 102/ED/Phase-2/2022-23/VI

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

Strata		
0	5	Surface Soil
5	15	Clay Kankar
15	40	Medium Sand
40	45	Clay Kankar
45	70	Medium Sand
70	75	Clay Kankar
75	85	Fine To Medium Sand
85	95	Clay Kankar
95	118	Medium Sand
118	130	Clay Kankar
130	145	Medium Sand
145	149	Clay Kankar
149	160	Medium Sand
160	165	Clay Kankar



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	950 LPM
4	Bore Size (MM)	:-	600 X 500
5	Assembly Size (MM)	:-	300 X 200
6	Drilling Starting Date	:-	16-12-2023
7	Drilling Completion Date	:-	20-12-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	21-12-2023
10	Logging Depth	:-	165 M

Logging Report				
Sl No	Depth (mbgl)		Thickness (m)	Remarks
1	45	70	25	All Good
2	75	85	10	
3	95	118	23	
4	130	145	15	
5	149	160	11	

11 Details of Lowered Assembly				
i)	300	MM Dia Housing Pipe	:-	48.0 M
ii)	200	MM Dia M. S. Slotted pipe	:-	30.0 M
iii)	200	MM Dia M. S. Plain pipe	:-	66.0 M
iv)	300 X	MM Dia M S Reducer		0.2 M
			Total :-	144.20 Meter
			AGL :-	0.50 Meter
			BGL :-	143.70 Meter
12	Date of Lowering			:- 22-12-2023

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DEHAWAKALA, BLOCK- DHAUREHRA,
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 21.Dec.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 = 21.33 Ohms.

Drilling Water Resistivity = 22.65 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 40	25	Medium sand	Good
4.	40 - 45	5	Kankar	
5.	45 - 70*	25	Medium sand	Good
6.	70 - 75	5	Clay kankar	
7.	75 - 85*	10	Fine to Medium sand	Good
8.	85 - 95	10	Clay kankar	
9.	95 - 118*	23	Medium sand	Good
10.	118 - 130	12	Clay kankar	
11.	130 - 145*	15	Medium sand	Good
12.	145 - 149	4	Clay kankar	
13.	149 - 160*	11	Medium sand	Good
14.	160 - 165	5	Clay kankar	

Ground Water Survey Consultancy

