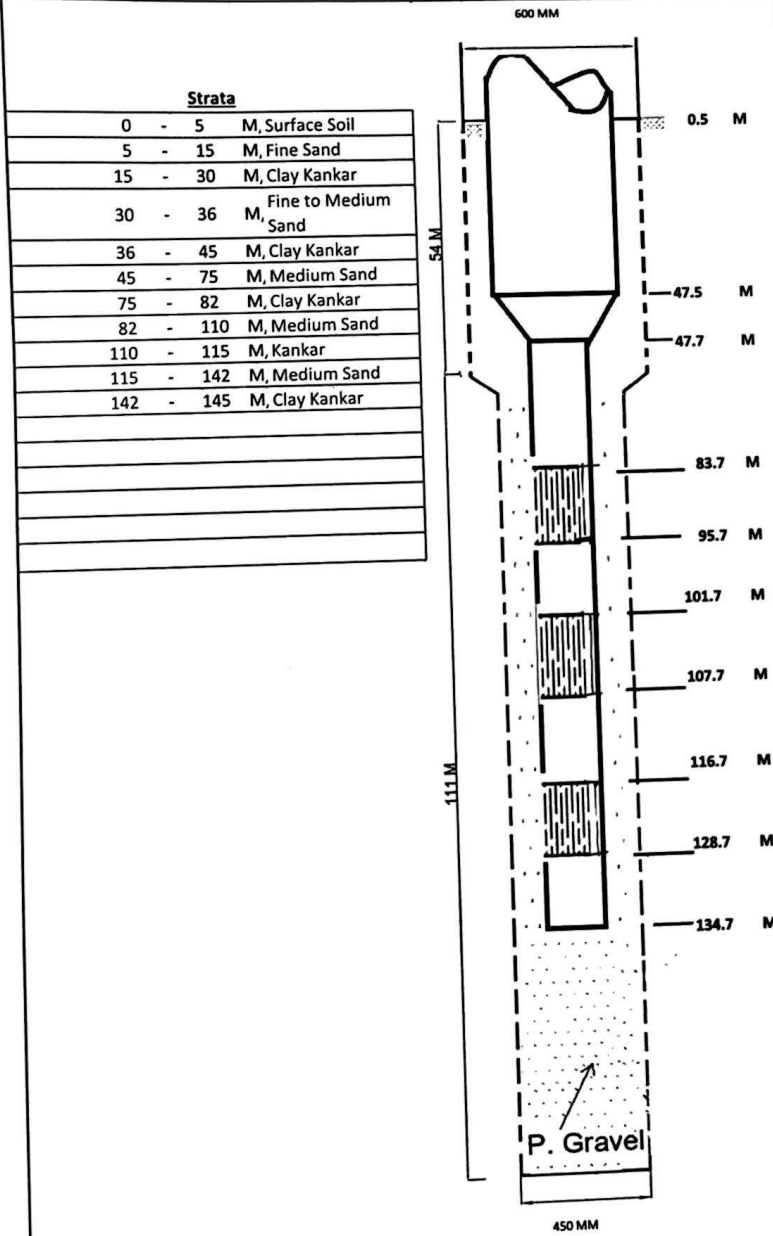


ZONE-I

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Abhayapur, Block- Ramiabehar, 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 :- 492/ED/Phase-2/2022-23/XIII, Dt. 03.03.2023

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



ABSTRACT			
1	Type of Rig Machine	:-	DC/RC
2	Static Water level	:-	
3	Required Discharge	:-	850 LPM
4	Bore Size (MM)	:-	600 X 450
5	Assembly Size (MM)	:-	300 X 150
6	Drilling Starting Date	:-	14-05-2023
7	Drilling Completion Date	:-	18-05-2023
8	Total Depth Of Drilling	:-	165 M
9	Logging Date	:-	19-05-2023
10	Logging Depth	:-	145 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	45 - 75	30	(Good All)
2	82 - 110	28	
3	115 - 142	27	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	48.0 M
ii)	150	MM Dia M. S. Slotted pipe	30.0 M
iii)	150	MM Dia M. S. Plain pipe	57.0 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
		Total :-	135.20 Meter
		AGL :-	0.50 Meter
		BGL :-	134.70 Meter
12	Date of Lowering	:-	20-05-2023

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

VIKAS KR YADAV
J.E
13th Division U.P. Jal Nigam (R) Lucknow
JUNIOR ENGINEER
DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

Recommended by

Vinod Kumar
A.E
13th Division U.P. Jal Nigam (R) Lucknow
Assistant Engineer
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- ABHAYPUR ZONE IST, BLOCK- RAMIYABEHAD,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~145~~ 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 19.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 = ~~20.36~~ Ohms.

Drilling Water Resistivity = ~~22.64~~ 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	Fine sand	Good
3.	15 - 30	15	Clay kankar	
4.	30 - 36	6	Fine to medium sand	Good
5.	36 - 44	8	Clay kankar	
6.	44 - 75*	31 30	Medium sand	Good
7.	75 - 82	7	Clay kankar	
8.	82 - 110*	28	Medium sand	Good
9.	110 - 114	4	Kankar	
10.	114 - 142*	28 27	Medium sand	Good
11.	142 - 145	3	Clay kankar	

- All zones seems highly kankar and mixed as lateral log indicates.



G.Su
20/05/23

- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by ferm as per ferric logger calibration.