

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Majhara Purab, Block- Ramia Behar, District, Lakhimpur Kheri.

Name Of Program :- J. J. M-2

Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)

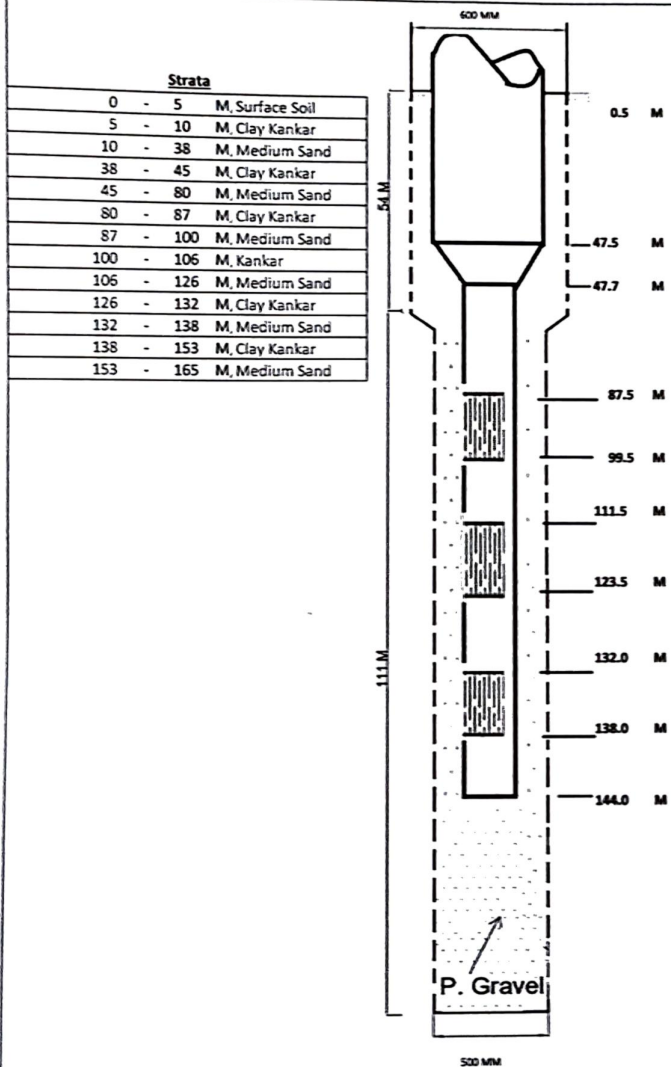
Name Of Contractor :- M/S NCC Limited

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 Majhara Purab G.P W/S Scheme District :- Lakhimpur Kheri.



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 1580 LPM
4	Bore Size (MM)	:- 600 X 500
5	Assembly Size (MM)	:- 300 X 200
6	Drilling Starting Date	:- 07-05-2023
7	Drilling Completion Date	:- 11-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 12-05-2023
10	Logging Depth	:- 165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	45 - 80	35	(Good All)
2	87 - 100	13	
3	106 - 126	20	
4	132 - 138	6	

11 Details of Lowered Assembly			
i)	300	MM Dia Housing Pipe	:- 48.0 M
ii)	200	MM Dia M. S. Sotted pipe	:- 30.0 M
iii)	200	MM Dia M. S. Plain pipe	:- 66.3 M
iv)	300 X 200	MM Dia M S Reducer	0.2 M
Total :-			144.50 Meter
AGL :-			0.50 Meter
BGL :-			144.00 Meter
12 Date of Lowering :- 14-05-2023			

Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

VIKAS K. YADAV
13th Division U.P. Jal Nigam (R)
JUNIOR ENGINEER

Recommended by
Vinod Kumar
Assistant Engineer
13th Division U.P. Jal Nigam (R) Lucknow
Divisional Officer (E&M)

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

DIVISIONAL OFFICE (E&M)
U.P. JAL NIGAM (R)
LUCKNOW

U.P. Jal Nigam (R)
Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MARJA PURAB, BLOCK- RAMIYA BEHAD,
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 12.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 = 23.30 Ohms.

Drilling Water Resistivity = 24.42 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 - 10	5	Clay kankar	
3.	10 - 38	28	Medium sand	Good
4.	38 - 45	7	Clay kankar	
5.	45 - 80*	35	Medium sand	Good
6.	80 - 87	7	Clay kankar	
7.	87 - 100*	13	Medium sand	Good
8.	100 - 106	6	Kankar	
9.	106 - 126*	20	Medium sand	Good
10.	126 - 132	6	Clay kankar	
11.	132 - 138*	6	Medium sand	Good
12.	138 - 153	15	Clay kankar	
13.	153 - 165*	12	Medium sand	Good

- All zones are intermixed with kankar.

13/05/23



- Logging performed as per SWSI guidelines.
- Groundwater quality interpreted by firm as per their logger calibration log.