

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. Barhaiya, Block- Pasgwan, District, Lakhimpur Kheri.

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

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

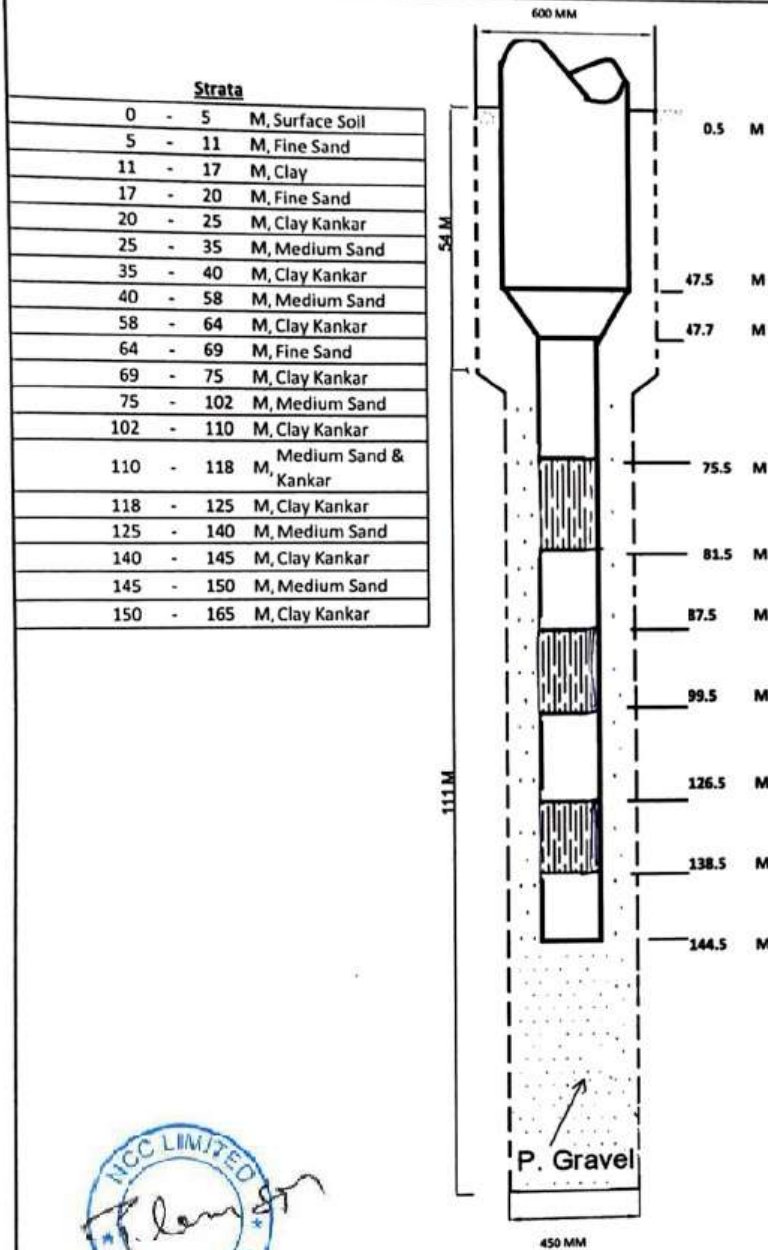
Name Of Contractor :- M/S NCC Limited

Name Of TPI :- Ceinsys Tech Limited

Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021

Cover Agreement :- 245/ED/Phase-2/2022-23/VIII Dt. 19 Dec 2022

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



ABSTRACT		
1	Type of Rig Machine	:- DC/RC
2	Static Water level	:-
3	Required Discharge	:- 710 LPM
4	Bore Size (MM)	:- 600 X 450
5	Assembly Size (MM)	:- 300 X 150
6	Drilling Starting Date	:- 16-05-2023
7	Drilling Completion Date	:- 20-05-2023
8	Total Depth Of Drilling	:- 165 M
9	Logging Date	:- 21-05-2023
10	Logging Depth	:- 165 M

Logging Report			
Sl No	Depth (mbgl)	Thickness (m)	Remarks
1	40 - 44	4	(Good All)
2	51 - 58	7	
3	75 - 82	7	
4	86 - 102	16	
5	125 - 140	15	
6	140 - 145	5	

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	:- 66.8 M
iv)	300 X 150	MM Dia M S Reducer	0.2 M
Total :-			145.00 Meter
AGL :-			0.50 Meter
BGL :-			144.50 Meter
12	Date of Lowering	:-	22-05-2023



Recommended & Prepared by
M/S. NCC Ltd.

Verified by
M/S. Ceinsys Tech Ltd.

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARHAIYA, BLOCK- PASGAWAN, 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.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 = 22.80 Ohms.

Drilling Water Resistivity = 23.72 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 11	6	Fine sand	
3.	11 - 17	6	Clay	
4.	17 - 20	3	Fine sand	
5.	20 - 25	5	Clay kankar	
6.	25 - 35	10	Medium sand	Good
7.	35 - 40	5	Clay kankar	
8.	40 - 58*	18	Medium sand	Good
9.	58 - 64	6	Clay kankar	
10.	64 - 69	5	Fine sand	Good
11.	69 - 75	6	Clay kankar	
12.	75 - 102*	27	Medium sand	Good
13.	102 - 110	8	Clay kankar	
14.	110 - 118*	8	Medium sand + Kankar	Good
15.	118 - 125	7	Clay kankar	
16.	125 - 140*	15	Medium sand	Good
17.	140 - 145	5	Clay kankar	
18.	145 - 150*	5	Medium sand	Good
19.	150 - 165	15	Clay kankar	

Sr No 8 - 40-44 (4m)
51-58 (7m)
Sr No 12 - 75-82 (7m)
86-102 (16)

G.Sh
22/05/23

Ground Water Survey Consultancy



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