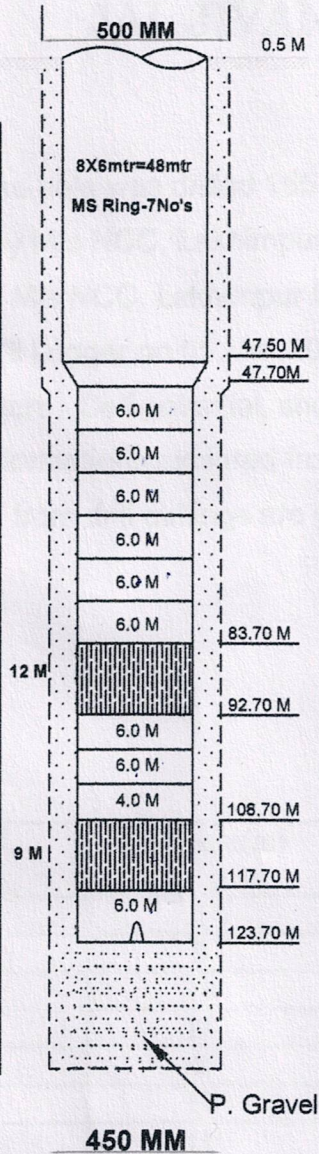


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Chapardha, Block- Mitauli, District, Lakhimpur Kheri.
Name of Program :- J.J.M-3
Name of client :- S.W.S.M. & U.P. AL NIGAM (R)
Name of Contractor :- M/S NCC Limited
Name of TPI :- Ceinsys Tech Limited
Cover Agreement :- 496/ED/Phase-3/2022-23/XX, Dated 03.03. 2023
Lowered Assembly Chart of T. W of G.P. Chapardha, Block- Mitauli,

Strata

0-5 mtr Surface Clay
5-10 mtr Fine Sand
10-20 mtr Clay Kankar
20-38 mtr Medium Sand
38-45 mtr Clay Kankar
45-55 mtr Medium Sand
55-66 mtr Clay Kankar
66-78 mtr Medium Sand
78-81 mtr Kankar
81-95 mtr Medium Sand
95-107 mtr Clay Kankar
107-120 mtr Medium Sand
120-130 mtr Clay Kankar
130-140 mtr Medium Sand
140-150 mtr Clay Kankar
150-165 mtr Sandy Clay



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 390 LPM
3	Bore Size (MM) :- 500x450
4	Assembly Size (MM) :- 200 x 150
5	Drilling Starting Date :- 26.02.2023
6	Drilling Completion Date :- 4.03.2023
7	Total Depth Of Drilling :- 165M
8	Logging Date :- 5.03.2023
9	Logging Depth :- 155 M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	45-55	10	Medium Sand	Medium
2	66-78	12	Medium Sand	Medium
3	81-95	14	Medium Sand	Medium
4	107-120	13	Medium Sand	Medium
5	130-140	10	Medium Sand	Medium

(G.Shukla)
 Verified by Asst. Hydrologist
 Circle Office(E&M) U.P al
 Nigam (Rural)

(A.K Singh)
 Verified by Geophysicist
 GIC Lucknow.

11. Details of Lowered Assembly	
i) 200 mm Dia Housing Pipe :- 48.0 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 21.00Meter	
iii) 150 mm Dia M. S. Plain pipe :- 55.00Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 124.20 Meter	
AGI :- 00.50 Meter	
BGL :- 123.70 Meter	
12. Date of Lowering :- 7.03.2023	

Recommended

Verified by

Recommended by

Approved by

Prepared by



M/s Ceinsys Tech Ltd

J.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

A.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

E.E
 Divisional office (E&M) UP
 Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHAPARDHA, BLOCK- MITAULI,
DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~155~~ 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 05.Mar.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 = 17.53 ~~Ohms~~.

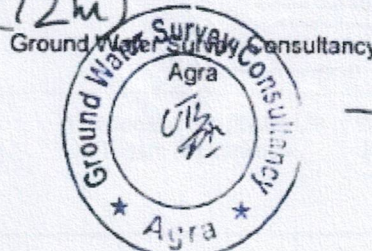
Drilling Water Resistivity = 18.79 ~~Ohms~~.

Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 20	10	Clay kankar	
4.	20 - 38	18	Medium sand	Medium
5.	38 - 45	7	Clay kankar	
6.	45 - 55*	10	Medium sand	Medium
7.	55 - 66	11	Clay kankar	
8.	66 - 78*	12	Medium sand	Medium
9.	78 - 81	3	Kankar	
10.	81 - 95*	14	Medium sand	Medium
11.	95 - 107	12	Clay kankar	
12.	107 - 120*	13	Medium sand	Medium
13.	120 - 130	10	Clay kankar	
14.	130 - 140*	10	Medium sand	Medium
15.	140 - 155	15	Clay kankar	

Sr No 10-83.95 (12m)

1
GSh



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