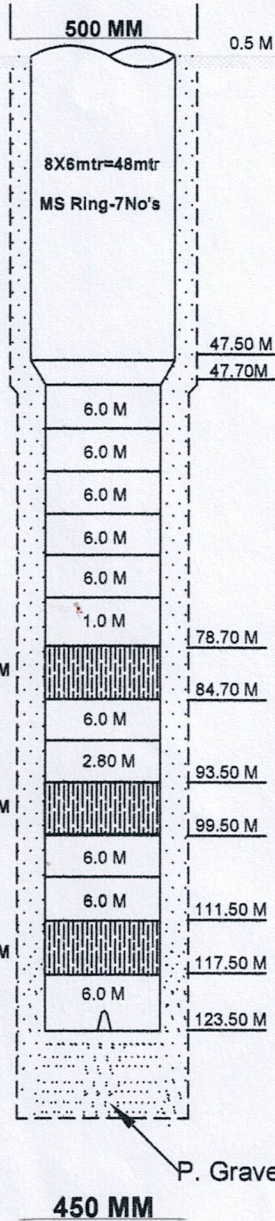


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Khurram nagar, 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 :- 322/ED/Phase-3/2022-23/XIII, Dated 18.01. 2023
Lowered Assembly Chart of T. W of G.P. Khurram nagar, Block- Mitauli,

Strata

0-5 mtr Surface Clay
5-18 mtr Fine to medium Sand
18-25 mtr Clay Kankar
36 mtr Medium Sand
36-48 mtr Clay Kankar
48-60 mtr Medium Sand
60-65 mtr Clay Kankar
65-74 mtr Medium Sand
74-78 mtr Clay Kankar
78-86 mtr Medium Sand
86-93 mtr Clay Kankar
93-105 mtr Medium Sand
105-111 mtr Clay Kankar
111-125 mtr Caving Clay
125-130 mtr Clay Kankar
130-136 mtr Medium Sand
136-147 mtr Clay Kankar
147-150 mtr Medium Sand
150-155 mtr Clay Kankar
155-160 mtr Sandy Clay
160-165 mtr Lose Clay



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 380 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 :- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	48-60	12	Medium Sand	Medium
2	65-74	9	Medium Sand	Medium
3	78-86	8	Medium Sand	Medium
4	93-105	12	Medium Sand	Medium
5	111-125	14	Medium Sand	Medium
6	130-136	6	Medium Sand	Medium
7	147-150	3	Fine 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 :- 18.00Meter	
iii) 150 mm Dia M. S. Plain pipe :- 54.00Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 120.20 Meter	
AGI :- 00.50 Meter	
BGL :- 119.70 Meter	
12. Date of Lowering :- 7.03.2023	

Recommended
&
Prepared by



Verified by

M/s Ceinsys Tech Ltd

Recommended by

J.E.
 13th Division UP al
 Nigam (R) Lucknow

Approved by

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KURRAM NAGAR, 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 06.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 = 17.87 Ohms.

Drilling Water Resistivity = 18.29 Ohms.

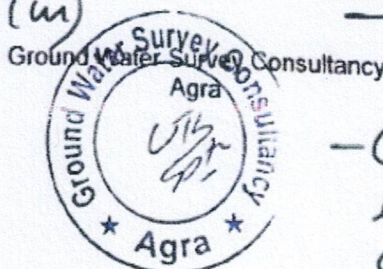
Approx Water Level = 8 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Fine to Medium sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 36	11	Medium sand	Medium
5.	36 - 48	12	Clay kankar	
6.	48 - 60*	12	Medium sand	Medium
7.	60 - 65	5	Clay kankar	
8.	65 - 74*	9	Medium sand	Medium
9.	74 - 78	4	Clay kankar	
10.	78 - 86*	8	Medium sand	Medium
11.	86 - 93	6	Clay kankar	
12.	93 - 105*	12	Medium sand	Medium
13.	105 - 111	6	Clay kankar	
14.	111 - 125*	14	Medium sand	Medium
15.	125 - 130	5	Clay kankar	
16.	130 - 136*	6	Medium sand	Medium
17.	136 - 147	11	Clay kankar	
18.	147 - 150	3	Fine sand	
19.	150 - 155	5	Clay kankar	Medium

SrNO6-49-60 (11m)

SrNO10-79-86 (7m)

GSH



- logging performed as per SWSM guidelines.
- Groundwater quality interpreted by firm as per their logger calibration.