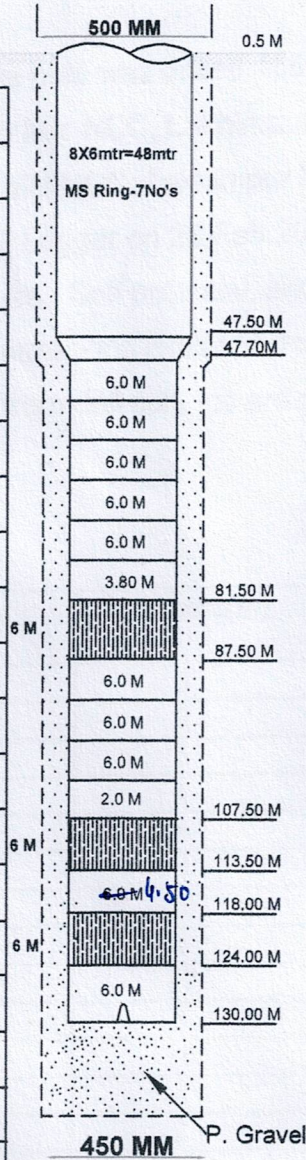


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Pershera & sirsa, 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 :- 425/ED/Phase-3/2022-23/XVI, Dated 17.02. 2023
Lowered Assembly Chart of T. W of G.P. Pershera & Sirsa, Block-Mitauli,

Strata

0-5 mtr Surface Clay
5-7 mtr Clay Kankar
7-13 mtr Fine Sand
13-17 mtr Clay Kankar
17-23 mtr Fine to Medium Sand
23-27 mtr Clay Kankar
27-41 mtr Medium Sand & kankar
41-45 mtr Clay Kankar
45-62 mtr Medium Sand & Kankar
62-67 mtr Clay Kankar
67-77 mtr Medium Sand
77-81 mtr Clay Kankar
81-88 mtr Medium Sand
88-91 mtr Clay Kankar
91-94 mtr Fine Sand
94-106 mtr Clay Sand
106-115 mtr Medium Sand
115-118 mtr Clay Kankar
118-124 mtr Fine to Medium Sand
124-129 mtr Clay Karkar
129-136 mtr Medium Sand
136-140 mtr Clay Kankar
140-148 mtr Fine to Medium Sand
148-155 mtr Clay Karkar
155-165 mtr Sandy Clay



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 360 LPM
3	Bore Size (MM) :- 500x450
4	Assembly Size (MM) :- 200 x 150
5	Drilling Starting Date :- 18.02.2023
6	Drilling Completion Date :- 25.02.2023
7	Total Depth Of Drilling :- 165M
8	Logging Date :- 26.02.2023
9	Logging Depth :- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	45--62	17	M.S. & kankar	Good
2	67--77	10	Medium Sand	Good
3	81--88	7	Medium Sand	Good
4	106--115	9	Medium Sand	Good
5	118--124	6	F. to M. Sand	Good
6	130--136	6	Medium Sand	Good
7	140--148	8	Medium Sand	Good

(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 :- 18.00 Meter	
iii) 150 mm Dia M. S. Plain pipe :- 64.30 Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 130.50 Meter	
AGI :- 00.50 Meter	
BGL :- 130.00 Meter	
12. Date of Lowering :- 27/02/23	

Recommended

Verified by

Recommended by

Approved by



M/s Ceinsys Tech Ltd

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

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

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PERSEHARA & SIRSA, BLOCK- MITAULI, DISTT- LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~155~~ ^{150 mtrs} 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 26.Feb.2022.

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 = 24.68 Ohms.

Drilling Water Resistivity = 26.31 Ohms.

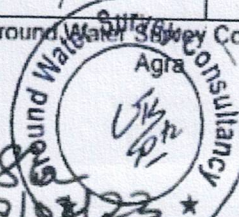
Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 13	6	Fine sand	
4.	13 - 17	4	Clay kankar	
5.	17 - 23	6	Fine to Medium sand	Good
6.	23 - 27	4	Clay kankar	
7.	27 - 41	14	Medium sand & kankar	Good
8.	41 - 45	4	Clay kankar	
9.	45 - 62*	17	Medium sand & kankar	Good
10.	62 - 67	5	Clay kankar	
11.	67 - 77*	10	Medium sand	Good
12.	77 - 81	4	Clay kankar	
13.	81 - 88*	7	Medium sand	Good
14.	88 - 91	3	Clay kankar	
15.	91 - 94	3	Fine sand	Good
16.	94 - 106	12	Clay kankar	
17.	106 - 115*	9	Medium sand	Good
18.	115 - 118	3	Clay kankar	
19.	118 - 124*	6	Fine to Medium sand	Good
20.	124 - 129	5	Clay kankar	
21.	129 - 136*	7	Medium sand	Good
22.	136 - 140	4	Clay kankar	
23.	140 - 148*	8	Medium sand	Good
24.	148 - 155	7	Clay kankar	

Sr NO 21-130-136
(6m)

Sr NO 23-141-148
(7m)

Ground Water Survey Consultancy



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