

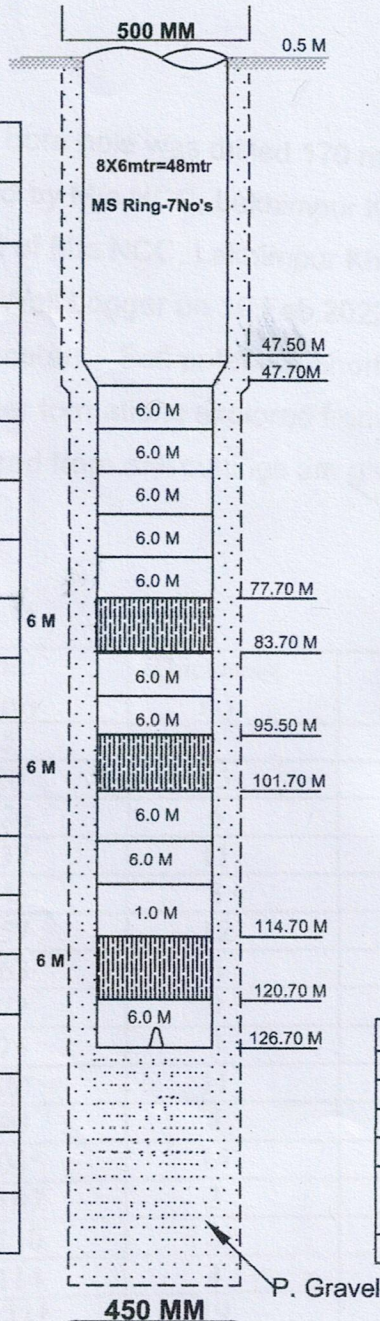
COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Sohak, Block-Pasagaon, District, LakhimpurKheri.

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. Sohak, Block-Pasagaon,

Strata

0-5 mtr Surface soil
5-20 mtr medium Sand
20- 26 mtr Clay Kankar
26-37 mtr Medium Sand
37-45 mtr Clay Kankar
45-57 mtr Medium Sand
57-63 mtr Clay
63-72 mtr Kankar
72- 75 mtr Clay Kankar
75-86 mtr Medium Sand
86-90 mtr Clay Kankar
90-104 mtr Medium Sand
104- 107 mtr Clay Kankar
107-110 mtr Fine Sand
110- 114 mtr Caving Clay
114-133 mtr Medium Sand & Kankar
133- 140 mtr Clay Kankar
140-151 mtr Medium Sand
151- 165 mtr Clay Kankar



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 290 LPM
3	Bore Size (MM)	:- 500x450
4	Assembly Size (MM)	:- 200 x 150
5	Drilling Starting Date	:- 11.02.2023
6	Drilling Completion Date	:- 18.02.2023
7	Total Depth Of Drilling	:- 170 M
8	Logging Date	:- 19.02.2023
9	Logging Depth	:- 165 M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	75-86	11	Medium Sand	Good
2	94-104	10	Medium Sand	Good
3	114-133	19	M.S. & Kankar	Good
4	140-151	11	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) 300 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	:- 61.00Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total :- 127.20 Meter	
AGI :- 00.50 Meter	
BGL :- 126.70 Meter	
12. Date of Lowering	:- 21-02-2023

Recommended & Prepared by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

13th Division UP al Nigam (R) Lucknow

Approved by

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

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SOHAK, BLOCK- PASAGAON, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 170 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 19.Feb.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 = 24.72 Ohms.

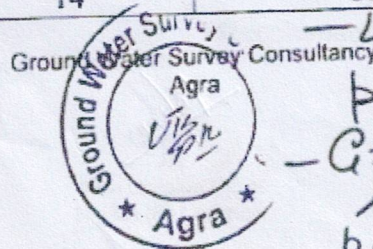
Drilling Water Resistivity = 25.48 Ohms.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Medium sand	Good
3.	20 - 26	6	Clay kankar	
4.	26 - 37	11	Medium sand	Good
5.	37 - 45	8	Clay kankar	
6.	45 - 57	12	Medium sand	Good
7.	57 - 63	6	Clay	
8.	63 - 72	9	Kankar	
9.	72 - 75	3	Clay kankar	
10.	75 - 86*	11	Medium sand	Good
11.	86 - 90	4	Clay kankar	
12.	90 - 104*	14	Medium sand	Good
13.	104 - 107	3	Clay kankar	
14.	107 - 110	3	Fine sand	Good
15.	110 - 114	4	Clay kankar	
16.	114 - 133*	19	Medium sand & kankar	Good
17.	133 - 140	7	Clay kankar	
18.	140 - 151*	11	Medium sand	Good
19.	151 - 165	14	Clay kankar	

Str No 12-94-104
(10m)

G.Sh
20/02/23



- Logging performed as per SWSM guidelines.
- Groundwater quality interpreted by fermas per their logger calibration.