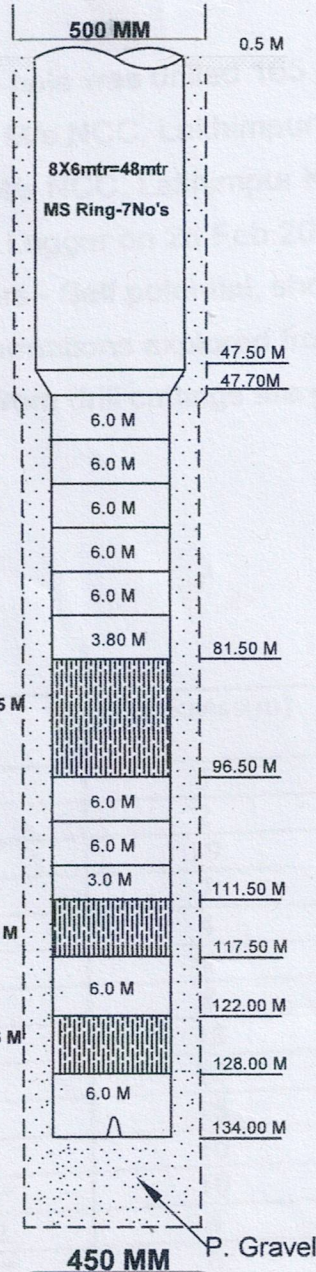


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Sahupur, 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 :- 358/ED/Phase-3/2022-23/XIV, Dated 03.02. 2023
Lowered Assembly Chart of T. W of G.P. Sahupur, Block-mitauli,

Strata

0-5 mtr Surface Soil
5-7 mtr Dry Sand
7-26 mtr Clay Kankar
26-33 mtr Fine to Medium Sand
33-37 mtr Clay Kankar
37-44 mtr Fine to Medium Sand
44-52 mtr Clay Kankar
52-70 mtr Medium Sand
70-80 mtr Clay Kankar
80-98 mtr Medium Sand & Kankar
98-110 mtr Clay Kankar
110-118 mtr Medium Sand
118-122 mtr Caving Clay
122-128 mtr Medium Sand
128-150 mtr Clay Kankar
150-165 mtr Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 860 LPM
3	Bore Size (MM) :- 600x450
4	Assembly Size (MM) :- 300 x 150
5	Drilling Starting Date :- 17.02.2023
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	52-70	18	Medium Sand	Good
2	80-98	18	M.S. & kankar	Good
3	110-118	8	Medium Sand	Good
4	122-128	6	Medium Sand	Good
5	150-165	15	M.S. & kankar	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 :- 27.00Meter	
iii) 150 mm Dia M. S. Plain pipe :- 59.30Meter	
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 134.50 Meter	
AGI :- 00.50 Meter	
BGL :- 134.00 Meter	
12. Date of Lowering :- 28.02.2023	

Recommended & Prepared by

 M/s NCC Ltd

Verified by

 J.E
 13th Division UP al Nigam (R) Lucknow
 M/s Ceinsys Tech Ltd

Recommended by

 A.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- SAHUPUR, BLOCK- MITAULI, 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 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 = 20.86 ~~Ohms~~.

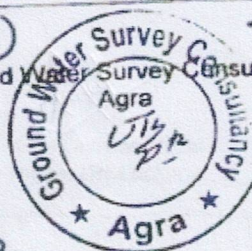
Drilling Water Resistivity = 21.65 ~~Ohms~~.

Approx Water Level = 11 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Dry sand	
3.	7 - 26	19	Clay kankar	
4.	26 - 33	7	Fine to Medium sand	Good
5.	33 - 37	4	Clay kankar	
6.	37 - 44	4	Fine to Medium sand	Good
7.	44 - 52	8	Clay kankar	
8.	52 - 70*	18	Medium sand	Good
9.	70 - 80	10	Clay kankar	
10.	80 - 98*	18	Medium sand & kankar	Good
11.	98 - 108	10	Clay kankar	
12.	108 - 118*	10	Medium sand	Good
13.	118 - 122	4	Clay kankar	
14.	122 - 128*	6	Medium sand	Good
15.	128 - 150	12	Clay kankar	
16.	150 - 165*	15	Medium sand	Good

Sr No 12-110-118 (8m)
Sr No 16- Kankar
intermixed

GSh
28/02/23



- Logging performed as per SWM guidelines
- Groundwater quality interpreted by femas per their logger calibration.

JAL IVAN MISSION

UNDER

300X150

Logging at 26/02/2022

Introduction:

1m BU =

18 = 22.50 - 4.50

A Deep bore hole was drilled 165 mtrs. depth and logged depth in the meter.

On the request of Mrs NCC, Taklimpur Khir, a Geophysicist well logging in the above

Logging Parameters - Self potential, earth normal (N-16), Long Normal (N-16), General

Details of major Aquifer formations explored from logging of bore hole combined with the study

and prepared from drill cuttings are given in the following table:

Mud Resistivity = 20.88 Ohms

Drilling Water Resistivity = 21.65 Ohms

Approx Water Level = 11 Mtr

Expected Water Quality	Lithology	Thickness (m)	Depth (m)
Good	Clay	3.80	15.20
Good	Fine to Medium sand	6.0	21.20
Good	Clay	6.0	27.20
Good	Fine to Medium sand	3.0	33.20
Good	Clay	6.0	39.20
Good	Medium sand	6.0	45.20
Good	Clay	3.0	51.20
Good	Medium sand	6.0	57.20
Good	Clay	6.0	63.20
Good	Medium sand	4.50	69.20
Good	Clay	6.0	75.20

517.00 = 48 + 2.0 + 33.80 + 19.5

110.50 = 2 + 5.0 + 11

134.50 = 0.5 + 134

134.00

28/02/23

