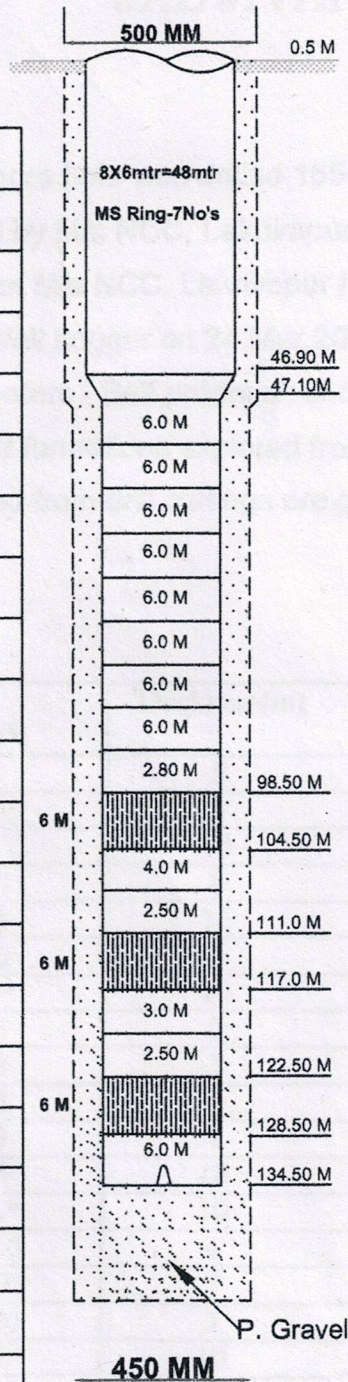


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Gauhania alam, Block-Pasagaon, 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 :- 497/ED/Phase-3/2022-23/XIX, Dated 03.03.2023
Lowered Assembly Chart of T. W of G.P. Gauhania alam, Block-Pasagaon,

Strata

0-5 mtr Surface Soil
5-8 mtr Clay
8-21 mtr Fine to Medium Sand
21-29 mtr Clay Kankar
29-45 mtr Medium Sand
45-50 mtr Clay Kankar
50-60 mtr Medium Sand
60-65 mtr Clay Kankar
65-68 mtr Fine Sand
68-74 mtr Clay Kankar
74-78 mtr Fine Sand
78-96 mtr Clay Kankar
96-108 mtr Medium Sand
108-111 mtr Clay Kankar
111-117 mtr Medium Sand
117-122 mtr Clay Kankar
122-129 mtr Medium Sand
129-134 mtr Clay Kankar
134-145 mtr Medium Sand
145-153 mtr Clay Kankar
153-165 mtr Fine to Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Required Discharge :- 420 LPM
3	Bore Size (MM) :- 500x450
4	Assembly Size (MM) :- 200 x 150
5	Drilling Starting Date :- 15.03.2023
6	Drilling Completion Date :- 23.03.2023
7	Total Depth Of Drilling :- 165M
8	Logging Date :- 24.03.2023
9	Logging Depth :- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	50-60	10	Medium Sand	Good
2	96-108	12	Medium Sand	Good
3	111-117	6	Medium Sand	Good
4	122-129	7	Medium Sand	Good
5	134-145	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) 200 mm Dia Housing Pipe :- 48.00 Meter	
ii) 150 mm Dia M. S. Slotted pipe :- 18.00Meter	
iii) 150 mm Dia M. S. Plain pipe :- 68.80 Meter	
iv) 200 x 150 mm Dia M S Reducer :- 0.20 Meter	
Total :- 135.00 Meter	
AGI :- 00.50 Meter	
BGL :- 134.50 Meter	
12. Date of Lowering :- 26/03/23	

Recommended

Verified by

Recommended by

Approved by



Prepared by

M/s NCC Ltd

M/s Ceinsys Tech Ltd

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

DIVISIONAL OFFICER
U.P. JAL 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- GAUHANIA ALAM, BLOCK- PASAGAWAN,
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 24.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 = 25.78 Ohms.

Drilling Water Resistivity = 26.53 Ohms.

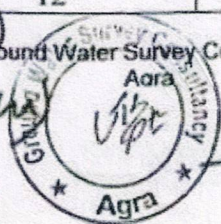
Approx Water Level = 4.5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay	
3.	8 - 21	13	Fine to Medium sand	Good
4.	21 - 29	8	Clay kankar	
5.	29 - 45	16	Medium sand	Good
6.	45 - 50	5	Clay kankar	
7.	50 - 60*	10	Medium sand	Good
8.	60 - 65	5	Clay kankar	
9.	65 - 68	3	Fine sand	Good
10.	68 - 74	6	Clay kankar	
11.	74 - 78	4	Fine sand	Good
12.	78 - 96	18	Clay kankar	
13.	96 - 106*	10	Medium sand	Good
14.	106 - 110	4	Clay kankar	
15.	110 - 117*	7	Medium sand	Good
16.	117 - 120	3	Clay kankar	
17.	120 - 130*	10	Medium sand	Good
18.	130 - 134	4	Clay kankar	
19.	134 - 145*	11	Medium sand	
20.	145 - 153	8	Clay kankar	
21.	153 - 165*	12	Fine to Medium sand + Kankar	Good

SrNO15-111-117 (6m)

SrNO17-122-129 (7m)

G.Shr 25/03/23



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