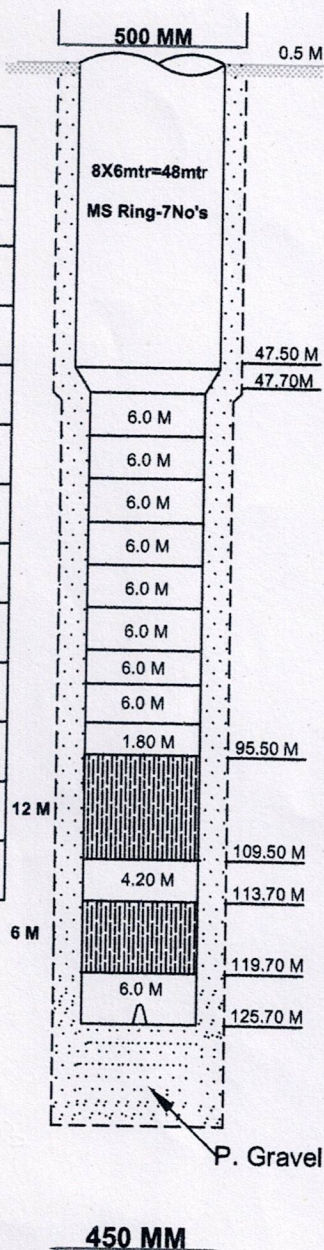


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Raipur, Block-Behjam, 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 :- 496/ED/Phase 3/2022-23/XX
Lowered Assembly Chart of T. W of G.P. Raipur, Block-Behjam,

Strata

0-5 mtr Surface Soil
5-12 mtr Caly Kankar
12-21 mtr Medium Sand
22-33 mtr Clay Kankar
33-37 mtr Fine Sand
37-45 mtr Clay Kankar
45-60 mtr Medium Sand
60-71 mtr Clay Kankar
71-86 mtr Medium Sand
86-96 mtr Clay Kankar
96-130 mtr Medium Sand
130-150 mtr Clay Kankar
150-160 mtr Medium Sand



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 340 LPM
3	Bore Size (MM)	:- 500x450
4	Assembly Size (MM)	:- 200 x 150
5	Drilling Starting Date	:- 25.04.2023
6	Drilling Completion Date	:- 21.04.2023
7	Total Depth Of Drilling	:- 165M
8	Logging Date	:- 22.04.2023
9	Logging Depth	:- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	45-60	15	Medium Sand	Good
2	71-86	15	Medium Sand	Good
3	96-130	34	Medium Sand	Good
4	150-160	10	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	:- 18.00Meter
iii) 150 mm Dia M. S. Plain pipe	:- 60.00Meter
iv) 200 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total :-126.20 Meter	
AGI :- 00.50 Meter	
BGL :- 125.70 Meter	
12. Date of Lowering	:- 25/04/23

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

Divisional office (E&M) UP
Jal Nigam (R) Lucknow

Approved by

Divisional office (E&M) UP
Jal Nigam (R) Lucknow

Divisional office (E&M) UP
Jal Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RAIPUR, BLOCK- BEHJAM, DISTT-LAKHIMPUR KHIRI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~160~~ 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 22.April.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:-

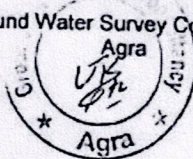
Mud Resistivity = 20.59 Ohms.

Drilling Water Resistivity = 22.61 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 21	9	Medium sand	Good
4.	21 - 33	12	Clay kankar	
5.	33 - 37	4	Fine sand	Good
6.	37 - 45	8	Clay kankar	
7.	45 - 60*	15	Medium sand	Good
8.	60 - 71	1	Clay kankar	
9.	71 - 86*	15	Medium sand	Good
10.	86 - 96	10	Clay kankar	
11.	96 - 130*	34	Medium sand	Good
12.	130 - 150	20	Clay kankar	
13.	150 - 160*	10	Fine to Medium sand	Good

Ground Water Survey Consultancy



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

G. Sh