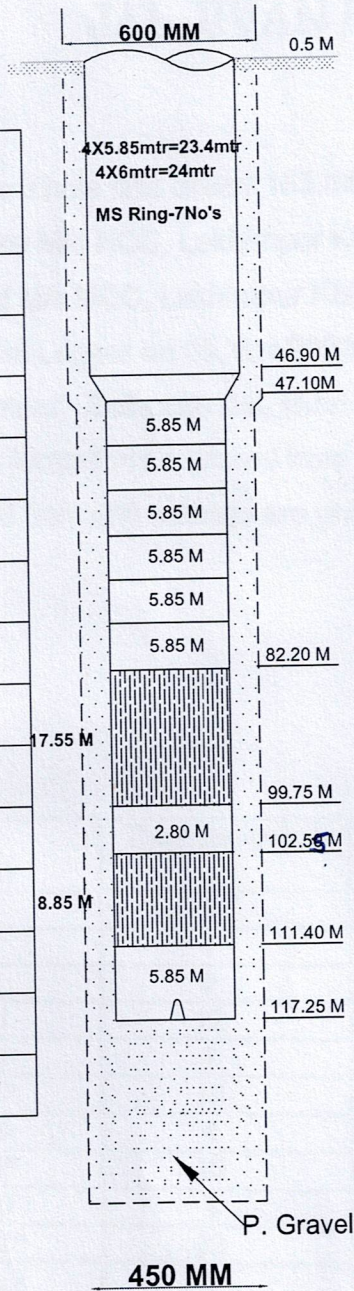


COMPLETION PLAN OF TUBEWELL

Name of work :- Construction of T. W. of G.P. Kakraha, 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 :- 256/ED/Phase-3/2022-23/IX, Dated 21.11.2022
 Lowered Assembly Chart of T. W of G.P. Kakraha , Block-Mitauli,

Strata

0-5 mtr Surface Soil
5-6 mtr Dry Sand
6-15 mtr Clay Kankar
15-37 mtr Fine to Medium Sand
37-44 mtr Clay Kankar
44-62 mtr Medium Sand
62-66 mtr Clay Kankar
66-76 mtr Medium Sand
76-80 mtr Clay Kankar
80-112 mtr Medium Sand
112-117 mtr Clay Kankar
117-132 mtr Medium Sand
132-137 mtr Clay Kankar
137-150 mtr Medium Sand
150-155 mtr Clay Kankar
155-165 mtr Medium Sand



ABSTRACT		
1	Type of Rig Machine	:- DC Cum RC
2	Required Discharge	:- 900 LPM
3	Bore Size (MM)	:- 600x450
4	Assembly Size (MM)	:- 300 x 150
5	Drilling Starting Date	:- 25.02.2023
6	Drilling Completion Date	:- 04.03.2023
7	Total Depth Of Drilling	:- 165M
8	Logging Date	:- 05.03.2023
9	Logging Depth	:- 165M

Logging Report By Ground Water Investigation Center				
Sl.No	Depth (mbgl)	Thickness (m)	Lithology	Remarks
1	44-62	18	Medium Sand	Good
2	66--76	10	Medium Sand	Good
3	80--112	32	Medium Sand	Good
4	117--132	15	Medium Sand	Good
5	137--150	13	Medium Sand	Good
6	150--165	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) 300 mm Dia Housing Pipe	:- 47.40 Meter
ii) 150 mm Dia M. S. Slotted pipe	:- 26.40Meter
iii) 150 mm Dia M. S. Plain pipe	:- 43.75 Meter
iv) 300 x 150 mm Dia M S Reducer	:- 0.20 Meter
Total :- 117.75 Meter	
AGI :- 00.50 Meter	
BGL :- 117.25 Meter	
12. Date of Lowering	:- 13.03.2023

Recommended & Prepared by



M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

VIKAS KR. YADAV
 JUNIOR ENGINEER
 DIVISIONAL OFFICE (E&M)
 U.P. JAL NIGAM (R)
 Divisional Office
 (E&M) UP Jal Nigam
 (R) Lucknow

A.E
 Divisional Office
 (E&M) UP Jal Nigam
 (R) Lucknow

Approved by

E.E
 Divisional Office U.P Jal
 Nigam (R) Lucknow

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KAKRAHA, 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 05.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 = ~~24.56~~ Ohms.

Drilling Water Resistivity = ~~25.72~~ Ohms.

Approx Water Level = 6 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 6	1	Dry sand	
3.	6 - 15	9	Clay kankar	
4.	15 - 37	22	Fine to Medium sand	
5.	37 - 44	7	Clay kankar	
6.	44 - 62*	18	Medium sand	Good
7.	62 - 66	4	Clay kankar	
8.	66 - 76*	10	Medium sand	Good
9.	76 - 80	4	Clay kankar	
10.	80 - 112*	32	Medium sand	Good
11.	112 - 117	5	Clay kankar	
12.	117 - 132*	15	Medium sand	Good
13.	132 - 137	5	Clay kankar	
14.	137 - 150*	13	Medium sand	Good
15.	150 - 155	5	Clay kankar	
16.	155 - 165*		Medium sand	Good

Sr NO16 with kankar

G/Sr



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