

# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- UCHAULIA, BLOCK- PASGAWAN, DISTT- LAKHIMPUR KHIRI UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 162 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.Nov.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 = 18.53 Ohms.

Drilling Water Resistivity = 19.30 Ohms.

Approx Water Level = 2 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Fine sand	
3.	9 - 11	2	Clay	
4.	11 - 15	4	Medium sand	
5.	15 - 21	6	Clay kankar	
6.	21 - 26	5	Fine to Medium sand	Good
7.	26 - 29	3	Clay kankar	
8.	29 - 32	3	Fine to Medium sand	Good
9.	32 - 36	4	Clay kankar	
10.	36 - 41	5	Medium sand	Good
11.	41 - 46	5	Clay kankar	
12.	46 - 53*	7	Medium sand	Good
13.	57 - 60	7	Clay kankar	
14.	60 - 63*	3	Medium sand	Good
15.	63 - 70	7	Clay kankar	
16.	70 - 77*	7	Medium sand	Good
17.	77 - 81	4	Clay kankar	
18.	81 - 98*	17	Medium sand	Good
19.	98 - 103	5	Clay kankar	
20.	103 - 117*	14	Medium sand	Good
21.	117 - 126	9	Clay kankar	
22.	126 - 137*	11	Medium sand	Good
23.	137 - 147	10	Kankar	
24.	147 - 155	8	Clay kankar	
25.	155 - 159*	4	Medium sand	Good
26.	159 - 162	3	Clay kankar	

Ground Water Survey Consultancy

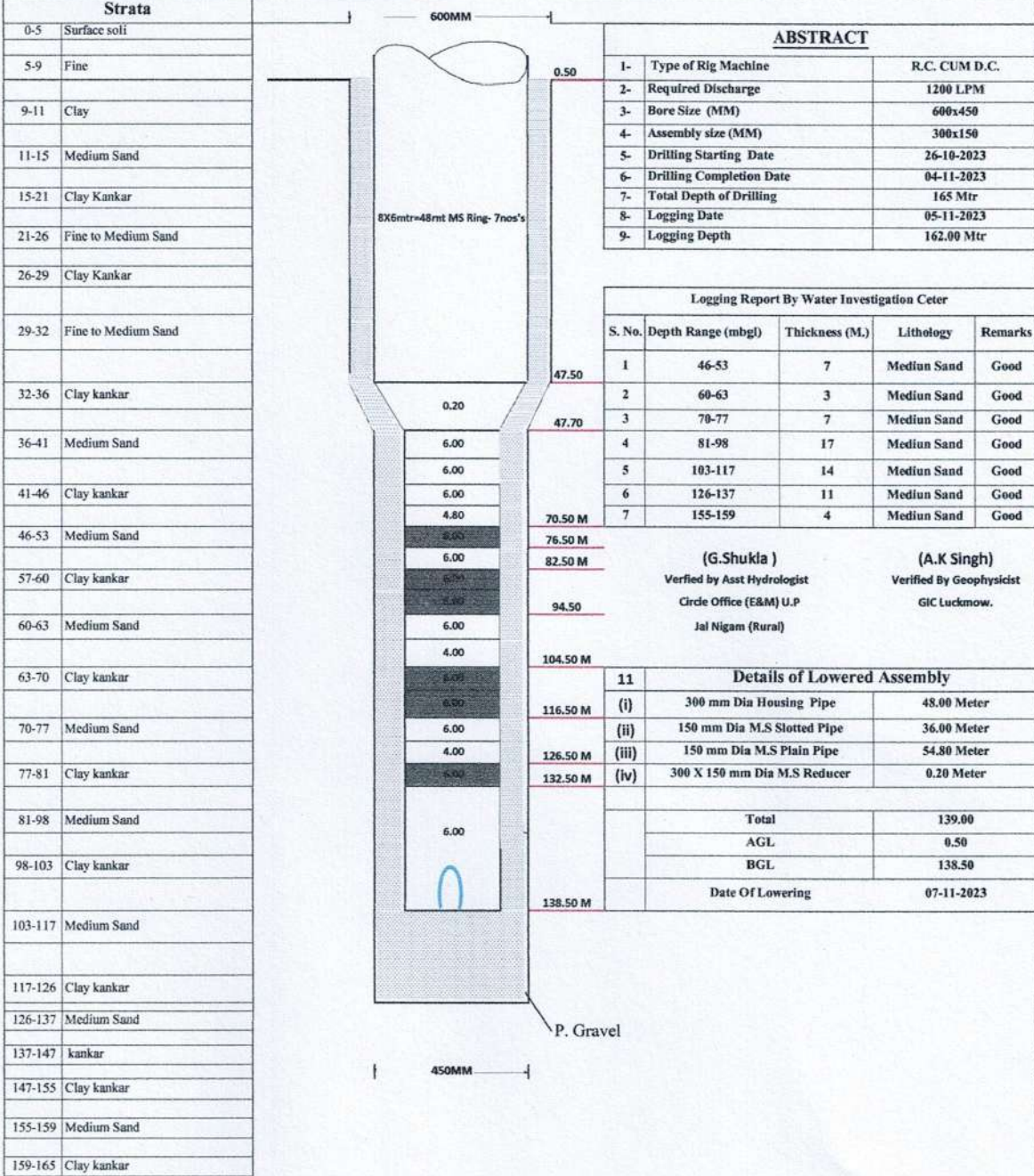




# COMPLETION PLAN OF TUBEWELL

<b>NAME OF WORK</b>	:- Construction of T.W. of G.P - Uchaulia, Block - Pasgawan ,Distt. Lakhimpur
<b>NAME OF PROGRAMME</b>	:- JJM-2,
<b>NAME OF CLIENT</b>	:- SW.S.M. & U.P.JAL NIGAM
<b>NAME OF CONTRACTOR</b>	:- M/S NCC Limited
<b>NAME OF TPI</b>	:- Ceinsys Tech Limited
<b>CONTRACT AGREEMENT</b>	:- 64/ED/Phase-2/2020-21 Dated on 12.03.2021
<b>COVER AGREEMENT</b>	:- 803/ED/PH 2/2023/XVIII Dt. 08.05.2023

**Lowered Assembly Chart of T.W. of G.P- Uchaulia, Block - Pasgawan ,Distt. Lakhimpur**



Recommended & Prepared by	Verified & Checked By	Recommended By	Approved By
 M/s NCC LTD.	 TPI M/s Ceinsys Tech Ltd	 J.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow	 E.E. Divisional Office (E&M) U.P. Jal Nigam(Rural) Lucknow