

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MADARPUR, 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 21.Jun.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 = 22.53 Ohms.

Drilling Water Resistivity = 23.34 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 - 10	5	Dry sand	
3.	10 - 15	5	Clay kankar	
4.	15 - 20	5	Fine sand	
5.	20 - 27	7	Clay kankar	
6.	27 - 35	8	Medium sand	Good
7.	35 - 40	5	Clay kankar	
8.	40 - 67*	27	Medium sand & kankar	Good
9.	67 - 71	4	Clay kankar	
10.	71 - 81*	10	Medium sand	Good
11.	81 - 91	10	Clay kankar	
12.	91 - 100*	9	Medium sand	Good
13.	100 - 110	10	Clay kankar	
14.	110 - 127*	17	Medium sand	Good
15.	127 - 134	7	Clay kankar	
16.	134 - 139*	5	Fine to Medium sand	Good
17.	139 - 150	11	Clay kankar	
18.	150 - 154*	4	Fine to Medium sand	Good
19.	154 - 160	6	Clay kankar	
20.	160 - 162	2	Fine sand	Good
21.	162 - 165	3	Clay kankar	

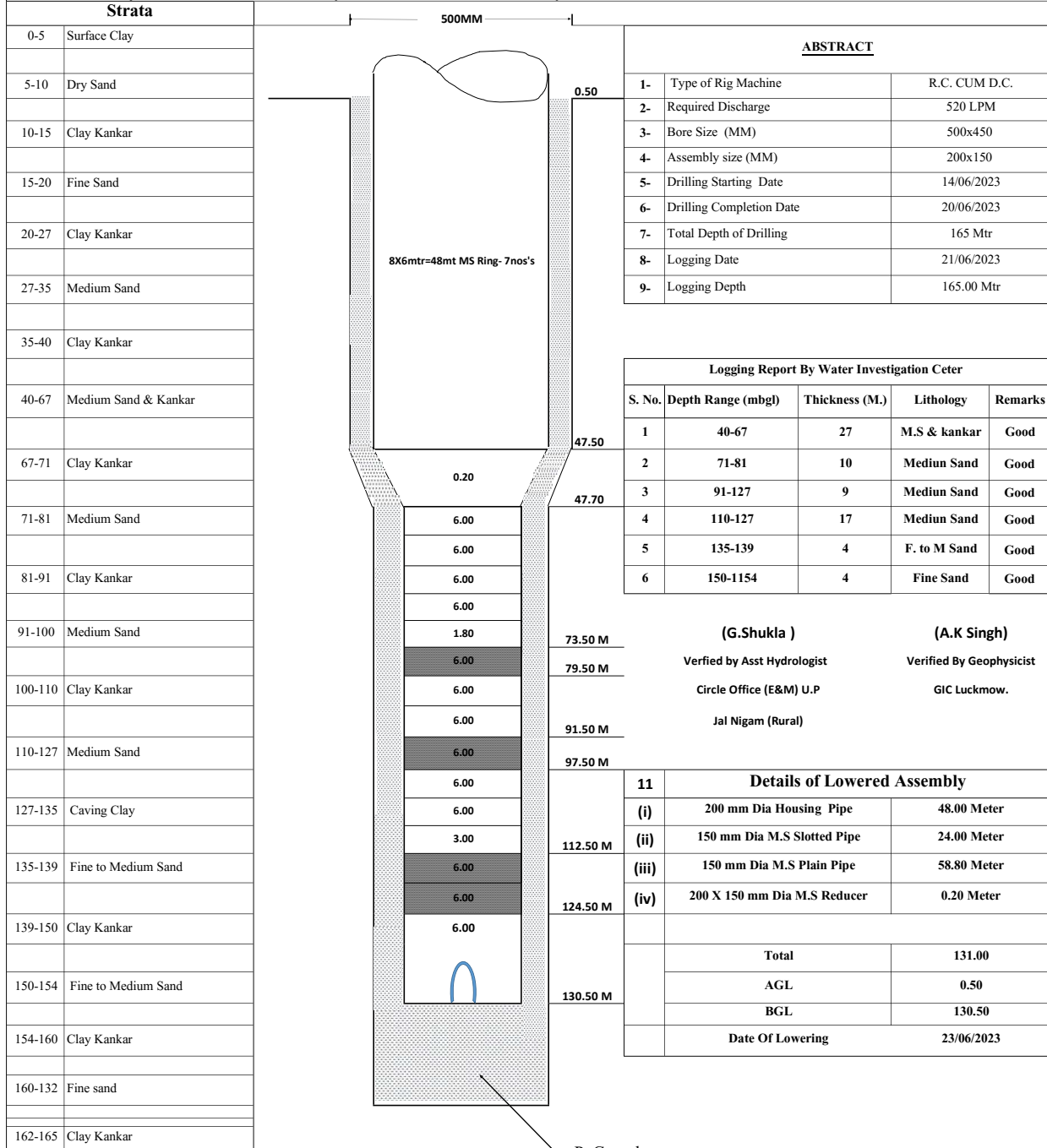
Ground Water Survey Consultancy



COMPLETION PLAN OF TUBEWELL

NAME OF WORK	:- Construction of T.W- of G.P - Madarpur Block- Mitauli, Distt. Lakhimpur,
NAME OF PROGRAMME	:- JJM-3,
NAME OF CLIENT	:- SW.S.M. & U.P.JAL NIGAM
NAME OF CONTRACTOR	:- M/S NCC Limited
NAME OF TPI	:- Ceinsys Tech Limited
CONTRACT AGREEMENT	:- 12/ED/Phase-3/2021-22 Dated on 07.01.2022
COVER AGREEMENT	:- 260/ED/Phase3/2022-23/X

Lowered Assembly Chart of T.W. of G.P- Madarpur Block- Mitauli, Distt. Lakhimpur,



450MM

P. Gravel

Recommended & Prepared by

Verified & Checked By

Recommended By

Approved By

M/s NCC LTD.

TPI
M/s Ceinsys Tech Ltd

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