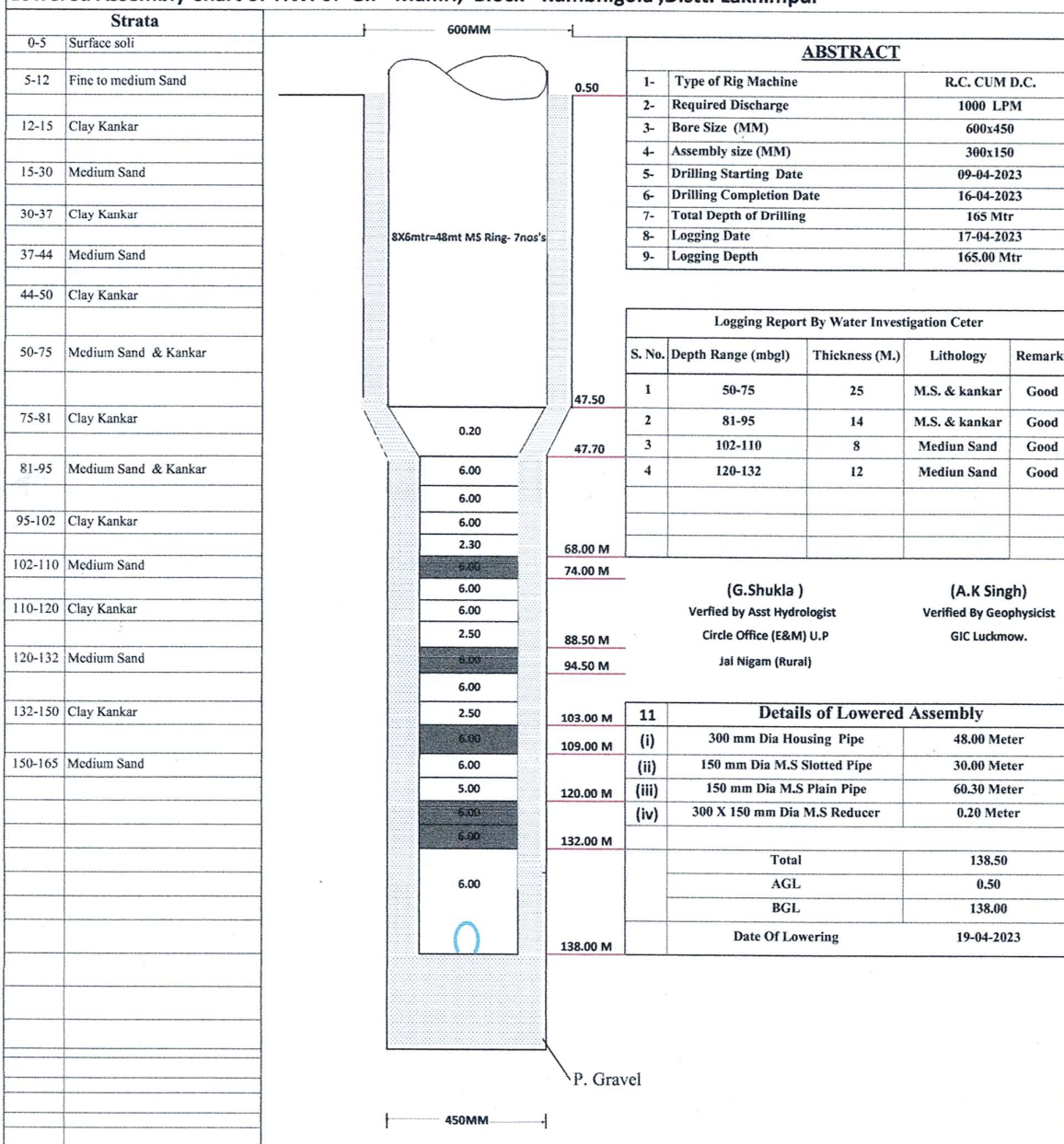


COMPLETION PLAN OF TUBEWELL

NAME OF WORK :- Construction of T.W- of G.P- Mamri, Block - Kumbhigola ,Distt. Lakhimpur
NAME OF PROGRAMME :- JJM-2,
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 :- 64/ED/Phase-2/2020-21 Dated on 12.03.2021
COVER AGREEMENT :- 162/ED/Phase 2/2022-23/VII, Dt.

Lowered Assembly Chart of T.W. of G.P- Mamri, Block - Kumbhigola ,Distt. Lakhimpur



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAMRI, BLOCK- KUMBHI GOLA,
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 17 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 = 20.32 Ohms.

Drilling Water Resistivity = 21.47 Ohms.

Approx Water Level = 9 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Fine to Medium sand	
3.	12 - 15	3	Clay kankar	
4.	15 - 30	15	Medium sand	
5.	30 - 37	7	Clay kankar	
6.	37 - 44	7	Medium sand	Good
7.	44 - 50	6	Clay kankar	
8.	50 - 75*	25	Medium sand & kankar	Good
9.	75 - 81	6	Clay kankar	
10.	81 - 95*	14	Medium sand & kankar	Good
11.	95 - 102	7	Clay kankar	
12.	102 - 110*	8	Medium sand	Good
13.	110 - 120	10	Clay kankar	
14.	120 - 132*	12	Medium sand	Good
15.	132 - 150	18	Clay kankar	
16.	150 - 165*	15	Medium sand	Good

- Sr No 8 - 50-72

(22m) Ground Water Survey Consultancy

Sr No 10 - 80-84

(4m)



- Logging performed as per SWSM guidelines
- Groundwater quality interpreted by firm