

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHIEDUI PATEYA, BLOCK- NIGHASAN, 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 26 Feb 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 = 19.58 Ohms
Drilling Water Resistivity = 21.72 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 - 10	5	Clay Kankar	
3.	10 - 25	15	Fine to medium sand	Good
4.	25 - 30	5	Clay kankar	
5.	30 - 57	27	Medium sand & kankar	Good
6.	57 - 63	6	Clay kankar	
7.	63 - 75*	12	Medium sand	Good
8.	75 - 84	9	Clay kankar	
9.	84 - 98*	14	Medium sand	Good
10.	98 - 103	5	Clay kankar	
11.	103 - 110*	7	Medium sand	Good
12.	110 - 117	7	Clay kankar	
13.	117 - 140*	23	Medium sand & kankar	Good
14.	140 - 147	7	Clay kankar	
15.	147 - 150	3	Fine sand	Good
16.	150 - 165	15	Clay kankar	

Ground Water Survey Consultancy



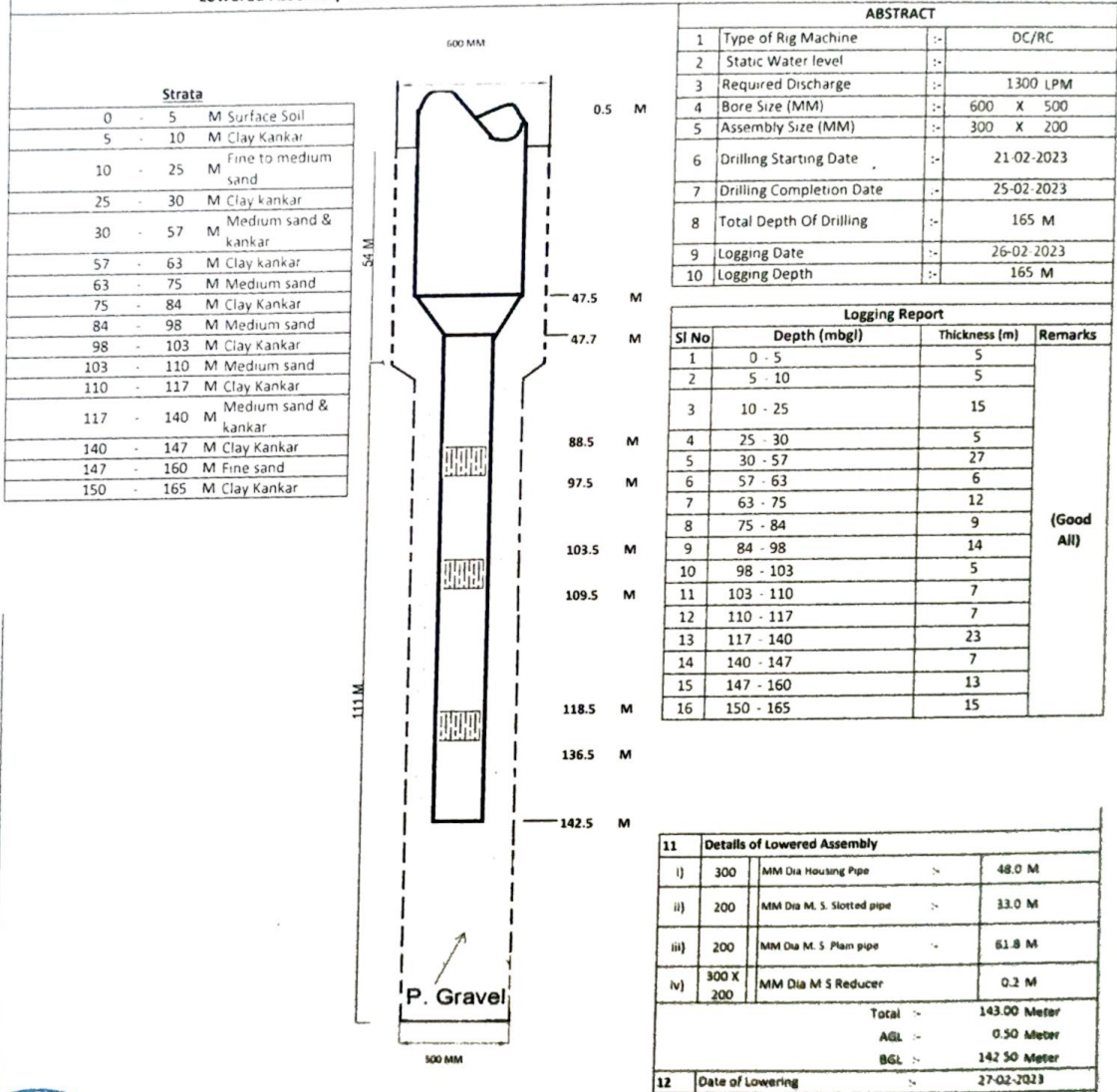
- Logging performed as per
SWSM guidelines.
- Groundwater quality
interpreted by ferm as
per their logger
calibration

gsh
27/02/23

Completion Plan Of Tubewell

Name Of Work :- Construction of T. W. of G.P. CHEDUI PATEYA, Block- NIGHASAN, District, Lakhimpur Kheri.
 Name Of Program :- J. J. M-2
 Name of client :- S.W.S.M. & U.P. JAL NIGAM (R)
 Name Of Contractor :- M/S NCC Limited
 Name Of TPI :- Ceinsys Tech Limited
 Contract Agreement :- 64/ED/2020-21 Dt. 12.03.2021
 Cover Agreement :- 464/ED/Phase-2/2022-23/XI, Dt. 27.02.2023

Lowered Assembly Chart of T. W of CHEDUI PATEYA G.P W/S Scheme District :- Lakhimpur Kheri.



Verified by **J.E** Recommended by **A.E** Approved by **E.E**
 M/S. Ceinsys Tech Ltd. 13th Division UP Jal Nigam (R) Lucknow 13th Division UP Jal Nigam (R) Lucknow 13th Division U P Jal Nigam (R) Lucknow