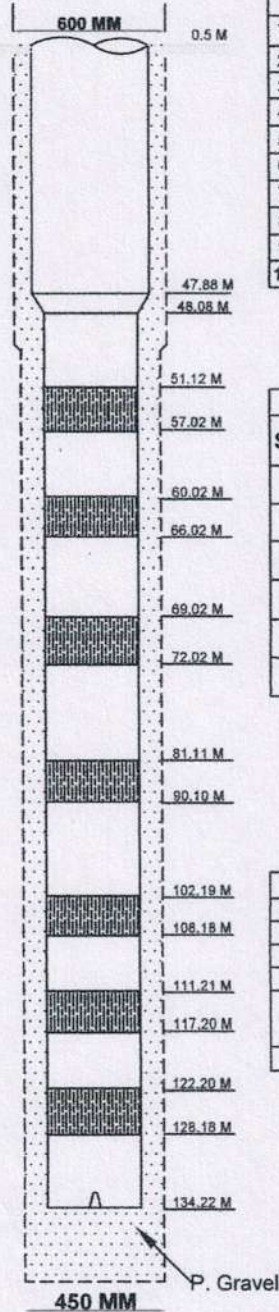


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Pareli, Block-Kumbhi Gola, 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 Dated on 12.03.2021  
**Cover Agreement** :-  
**Lowered Assembly Chart of T. W of Pareli,G.P W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 mtr Surface Soil
5-8 mtr Clay Kankar
8-18 mtr Fine to Medium Sand
18-22 mtr Clay
22-35 mtr Medium Sand
35-50 mtr Clay Kankar
50-74 mtr Fine Sand
74-80 mtr Clay With Kankar
80-92 mtr Fine Sand
92-101 mtr Clay With Kankar
101-130 mtr Fine Sand
130-136 mtr Clay with Kankar
136-139 mtr Fine Sand
139-156 mtr Clay With Kankar
156-170 mtr Fine to Medium Sand



ABSTRACT	
1	Type of Rig Machine :- DC Cum RC
2	Static Water level :-
3	Required Discharge :- 1150 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 20.04.2022
7	Drilling Completion Date :- 27.04.2022
8	Total Depth Of Drilling :- 170.0 M
9	Logging Date :- 28.04.2022
10	Logging Depth :- 170.0M

Logging Report By Aqua Xplore Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	22-35	13	Fine to Medium Sand (Good All)
2	50-74	24	
3	80-92	12	
4	101-130	29	
5	136-139	3	
6	156-170	14	

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 48.38 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 41.85 Meter
iii)	150 mm Dia M. S. Plain pipe :- 44.29 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
	Total :- 134.72Meter
	AGI :- 00.50 Meter
	BGL :- 134.22Meter
12.	Date of Lowering :- 30.04.2022

Recommended & Prepared by

M/s NCC Ltd

Verified by

M/s Ceinsys Tech Ltd

Recommended by

J.E  
13th Division UP Jal Nigam (R) Lucknow

Approved by

A.E  
13th Division UP Jal Nigam (R) Lucknow

E.E  
13th Division U.P Jal Nigam (R) Lucknow





## REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PARELI, BLOCK- KUMBHIGOLA  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 170 mtrs. depth. and Logged depth 170 mtrs. at above site. Was drilled by M/s NRC, Lakhimpur Khiri.

On the request of M/s NRC, Lakhimpur Khiri, a Geophysical well Logging in the above bore hole using IGIS Well Logger on 28.Apr.2022.

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 = 17.64 Ohms.

Drilling Water Resistivity = 19.81 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 - 8	3	Clay kankar	
3.	8 - 18	10	Fine to Medium sand	
4.	18 - 22	4	Clay	
<del>5.</del>	22 - 35	13	Medium sand	Good
6.	35 - 50	15	Clay kankar	
<del>7.</del>	50 - 74*	24	Medium sand	Good
8.	74 - 80	6	Clay kankar	
<del>9.</del>	80 - 92*	12	Medium sand	Good
10.	92 - 101	9	Clay kankar	
<del>11.</del>	101 - 130*	29	Medium sand	Good
12.	130 - 136	6	Clay kankar	
13.	136 - 139	3	Fine sand	Good
14.	139 - 156	17	Clay kankar	
<del>15.</del>	156 - 170*	14	Medium sand	Good

Ground Water Survey Consultancy



*Zones verified as per logs. Groundwater quality interpreted by firm as per their loggers calibration*

*G. S. K.*  
ASSISTANT HYDROGEOLOGIST  
YANAM (RURAL)  
UP  
PRAYAGRAJ

