

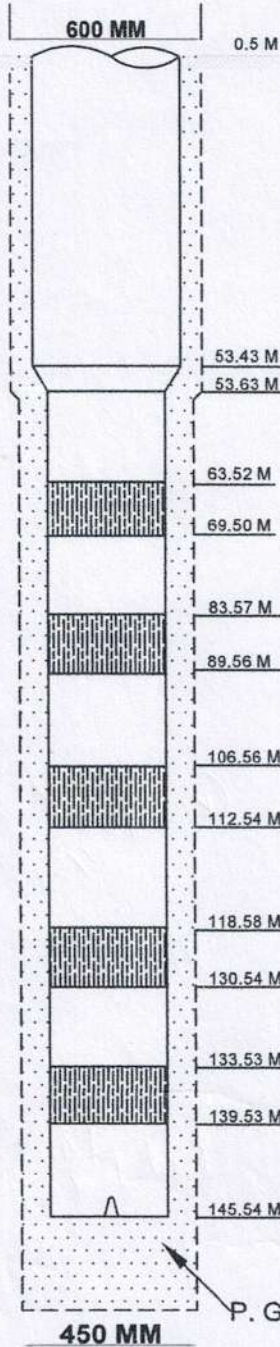
## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Pangikalan, Block Nakaha, 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** :- 157/ED/2021-22 Dt. 09 October, 2021

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

### Strata

0-3 mtr Surface Clay
3-16 mtr Clay & Silty Clay.
16-40 mtr Fine Sand
40-42 mtr Clay
42-50 mtr Fine Sand with Kankar
50-55 mtr Sandy soil
55-70 mtr Fine to Medium Sand
70-83 mtr Clay with Kankar
83-90 mtr Fine to Medium Sand
90-106 mtr Sandy soil with Caving Clay
106-113 mtr Medium Sand
113-118 mtr Sandy soil with Kankar
118-140 mtr Fine to Medium Sand
140-144 mtr Sandy soil with Kankar
144-154 mtr Fine to Medium Sand
154-165 mtr Sandy soil with Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 1100 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 22/11/2021
7	Drilling Completion Date :- 27/11/2021
8	Total Depth Of Drilling :- 175.0 M
9	Logging Date :- 28/11/2021
10	Logging Depth :- 165.0M

Logging Report By Aqua Xplore Lucknow			
Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	16-40	24	Fine to Medium Sand (Good All)
2	42-50	8	
3	55-70	15	
4	83-90	7	
5	106-113	7	
6	118-140	22	
7	144-154	10	

Note:-S.I No 2 is Fine Sand Intermixed with Kankar

11. Details of Lowered Assembly	
i)	300 mm Dia Housing Pipe :- 53.93 Meter
ii)	150 mm Dia M. S. Slotted pipe :- 35.91 Meter
iii)	150 mm Dia M. S. Plain pipe :- 56 Meter
iv)	300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 146.04 Meter	
AGI :- 00.50 Meter	
BGL :- 145.54 Meter	
12. Date of Lowering :- 29/11/2021	

Recommended & Prepared by

Verified by

Recommended by

Approved by



*[Signature]*  
J.E

*[Signature]*  
A.E

*[Signature]*  
E.E

13th Division UP Jal

13th Division UP Jal

13th Division U.P Jal Nigam

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PANGI KHURD, BLOCK- NAKAHA, 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 06.Mar.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 = 19.24 ~~Ohms~~.

Drilling Water Resistivity = 20.18 ~~Ohms~~.

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 16	11	Clay kankar	
3.	16 - 46	30	Medium sand	Good
4.	46 - 55	9	Clay kankar	
<del>5.</del>	55 - 70*	15	Medium sand	Good
6.	70 - 75	5	Clay kankar	
<del>7.</del>	75 - 80*	5	Medium sand	Good
8.	80 - 83	3	Clay kankar	
<del>9.</del>	83 - 91*	8	Medium sand	Good
10.	91 - 108	17	Clay kankar	
<del>11.</del>	108 - 115*	7	Medium sand	Good
12.	115 - 118	3	Clay kankar	
<del>13.</del>	118 - 130*	12	Medium sand	Good
14.	130 - 133	3	Clay kankar	
<del>15.</del>	133 - 140*	7	Medium sand	Good
16.	140 - 144	4	Clay kankar	
<del>17.</del>	144 - 148*	4	Medium sand	Good
18.	148 - 151	3	Clay kankar	
19.	151 - 156*	5	Medium sand	Good
20.	156 - 159	3	Clay kankar	
21.	159 - 165	6	Kankar	

Sr N09 - 84-91 (7m)  
Sr N010 - 120-130 (10m)  
Sr N07 - 76-80 (4m)

G.S.H



- Logging performed as per SWSD guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration.