

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHIKNA, BLOCK- DHAURAHRA,  
DISTT-LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth ~~150~~ 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 12.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 = ~~21.53~~ Ohms.

Drilling Water Resistivity = ~~22.36~~ Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay	
3.	10 - 30	20	Sandy clay	
4.	30 - 44	14	Medium sand	Good
5.	44 - 50	6	Clay kankar	
<del>6.</del>	50 - 68*	18	Medium sand	Good
<del>7.</del>	68 - 73	5	Clay kankar	
<del>8.</del>	73 - 82*	11	Medium sand	Good
<del>9.</del>	82 - 90	8	Clay kankar	
<del>10.</del>	90 - 120*	30	Medium sand	Good
<del>11.</del>	120 - 125	5	Clay kankar	
<del>12.</del>	125 - 150*	25	Medium sand	Good

Sr No 6- 64-68  
(4m)

Sr No 9- 90-118  
(18m)

G.Su  
14/06/23



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

Dt-14/06/23

C.P - Chikna Block - Dharsela Dist - Lakhimpur  
leg - 390 size - 200x150 / 18

lagging Dt - 12/06/23

① 50 - 68 = 18

2 73 - 82 = 11

9 - 90 - 118 = 28

12 125 - 150 = 50

Total = 48 + .20 + 48 + 36 + 6.0

= 138.70 - 0.5 AhL

= 137.70

14/06/23

