



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHAMMADPUR TAJPUR, BLOCK- PASAGAWAN,  
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 30.May.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 = ~~22.53~~ Ohms.

Drilling Water Resistivity = ~~23.38~~ Ohms.

Approx Water Level = 11 Mtr.

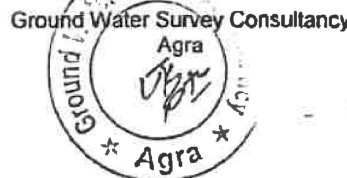
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Fine sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 30	5	Medium sand & kankar	Good
5.	30 - 40	10	Clay kankar	
6.	40 - 45	5	Fine to Medium sand	Good
7.	45 - 50	5	Clay kankar	
<del>8.</del>	50 - 72*	22	Medium sand & kankar	Good
9.	72 - 89	17	Clay kankar	
<del>10.</del>	89 - 99*	10	Medium sand	Good
11.	99 - 110	11	Clay kankar	
<del>12.</del>	110 - 142*	32	Medium sand & kankar	Good
13.	142 - 150	8	Clay kankar	
<del>14.</del>	150 - 157*	7	Medium sand	Good
15.	157 - 165	8	Clay kankar	

Sr No 12-129-142

(13m)

Gsh

31/05/23



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