

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- SISYA KALAN ZONE -2, BLOCK- DHAURAHRA,
DISTT-LAKHIMPUR KHIRI

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 280 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 16.Jan.2024.

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:-

Location = Sisya Kalan Zone -2

Mud Resistivity = 06.99 Ohms.

Latitude = 27.982709999999997°

Drilling Water Resistivity = 19.41 Ohms.

Longitude = 81.14774166666666°

Approx Water Level = 5 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kanakr	
3.	10 - 13	3	Fine sand	
4.	13 - 50	37	Clay kankar	
5.	50 - 68*	18	Medium sand	Good
6.	68 - 82	14	Clay kankar	
7.	82 - 102*	20	Medium sand	Good
8.	102 - 111	9	Clay kankar	
9.	111 - 125*	14	Medium sand	Good
10.	125 - 134	9	Clay kankar	
11.	134 - 140*	6	Medium sand	Good
12.	140 - 144	4	Clay kankar	
13.	144 - 154*	10	Fine to Medium sand	Good
14.	154 - 160	6	Clay kankar	
15.	160 - 170*	10	Medium sand	Good
16.	170 - 175	5	Clay kankar	
17.	175 - 185*	10	Fine to Medium sand	Good
18.	185 - 200	15	Clay kankar	
19.	200 - 211*	11	Fine to Medium sand	Good
20.	211 - 221	10	Clay kankar	
21.	221 - 244*	23	Medium sand	Good
22.	244 - 250	6	Clay kankar	
23.	250 - 266*	16	Medium sand	Good
24.	266 - 274	8	Clay kankar	
25.	274 - 277*	3	Medium sand	Good
26.	277 - 280	3	Clay kankar	

Ground Water Survey Consultancy

