

**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT- RASOOLPUR, BLOCK- KUMBI GOLA,**  
**DISTT- LAKHIMPURKHERI**

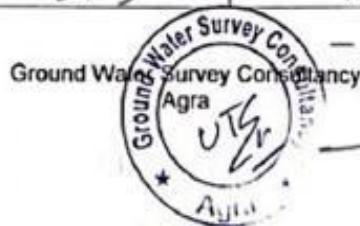
**UNDER**  
**JAL JIVAN MISSION**

**Introduction :**

A Deep bore hole was drilled 180 mtrs. depth. and Logged depth <sup>168</sup> ~~172~~ mtrs. at above site. Was drilled by M/s Vindha Telelinks Limited SWSM LakhimpurKheri. On the request of M/s Vindha Telelinks Limited SWSM LakhimpurKheri. A Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Jan.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 = ~~16.43~~ Ohms.  
 Drilling Water Resistivity = ~~17.49~~ 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 - 11	6	Fine to Medium sand	
3.	11 - 20	9	Clay kankar	
4.	20 - 45	25	Fine to Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 69*	19	Medium sand	Medium
7.	69 - 75	6	Clay kankar	
8.	75 - 80*	5	Medium sand	Medium
9.	80 - 92	12	Clay kankar	
10.	92 - 118*	26	Medium sand	Medium
11.	118 - 125	7	Clay kankar	
12.	125 - 150*	25	Medium sand	Medium
13.	150 - 165	15	Clay kankar	
14.	165 - 172*	7	Medium sand	Medium



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