

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- MILKOPUR, BLOCK- KRENJAKALA, DISTT- JAUNPUR

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 310 mtrs. depth. and Logged depth 263 mtrs. at above site. Was drilled by M/S Wellspun Pvt. Ltd. Jaunpur

On the request of M/S Wellspun Pvt. Ltd. Jaunpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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:-

Mud Resistivity = 12.04 Ohms.

Drilling Water Resistivity = 14.03 Ohms.

Approx Water Level = 3 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	8 - 13	5	Fine to Medium sand	Good
2.	20 - 27	7	Fine to Medium sand	Good
3.	40 - 50	10	Medium sand	Good

Note : 1. Please ensure pre-monsoon water level before lower the well assembly

2. Quality Of Ground water is deteriorating Marginally Saline in between 68 Mtr bgl to till depth logged.

Geologist