

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MADHA PITHU BW-2 SCHEME- SALEMPUR (ZONE- 2)  
BLOCK- SEHPAU, DISTT- HATHRAS  
UNDER  
JAL JIVAN MISSION

**Introduction :**

A Deep bore hole was drilled 106 mtrs. depth. and Logged depth ~~100~~ mtrs. at above site. Was drilled by M/s ION Exchange India Limited, Hathras.

On the request of M/s ION Exchange India Limited, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.Mar.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 = 12.20 Ohms.

Drilling Water Resistivity = 13.64 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 17	12	Dry sand	
3.	17 - 22	5	Fine sand	
4.	22 - 27	5	Clay kankar	
5.	27 - 38	11	Medium sand & kankar	Medium
6.	38 - 43	5	Clay kankar	
7.	43 - 47*	4	Fine to Medium sand	Medium
8.	47 - 52	5	Clay kankar	
9.	52 - 62*	10	Medium sand	Medium
10.	62 - 70	8	Clay kankar	
11.	70 - 74*	4	Fine to Medium sand	Medium
12.	74 - 78	4	Clay kankar	
13.	78 - 82	4	Sand & kankar	Medium
14.	82 - 100	18	Clay kankar	

- Logging performed as per SWM guidelines.  
- Groundwater quality interpreted by firm as per their logger calibration  
G.S.  
21/03/23



