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Under Jal Jeevan Mission, District- Jaunpur (U.P.)

Actual TW Assembly of Mothaha TW , Block- Sirkoni, Dist. Jaunpur

 (.....) Company Repre.	 (.....) TPIA	 (Aditya Singh) Junior Engineer	 (Sudhanshu Singh) Assistant Engineer, SWSM	 (Adarsh Verma) Exe. Engineer
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REPORT ON GEOPHYSICAL WELL LOGGING
AT
GRAM PANCHAYAT- MOTHAAHA, BLOCK- SIRKONI, DISTT- JAUNPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 277 mtrs. at above site. Was drilled by M/S Afcons Infrastructure Pvt. Ltd. Jaunpur

On the request of M/S Afcons Infrastructure Pvt. Ltd. Jaunpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 04.Nov.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 = 7.95 Ohms.

Drilling Water Resistivity = 6.97 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	18 - 27	9	Medium sand	Good
2.	39 - 42	3	Fine sand	Mod to Good
3.	70 - 75	5	Fine to medium sand	Moderate
4.	138 - 142	4	Fine to medium sand	Mod to Good
5.	157 - 165	8	Fine to medium sand	Mod to Good
6.	207 - 215	8	Medium sand	Good
7.	224 - 230	6	Medium sand	Good
8.	245 - 255	10	Medium sand	Good
9.	257 - 262	5	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 82 to 130 Mtr bgl.

3. Predominated clay is present in depth range 52 to 60 and 145 to 153 and 192 to 198 mtr bgl.

