

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAUDHA, BLOCK- MOHAMMADABAD,  
DISTT- FARRUKHABAD  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 190 mtrs. depth. and Logged depth ~~185~~ mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

On the request of M/s G.V.P.R. Engineering Ltd., Hyderabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.Feb.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 = ~~14.05~~ Ohms.

Drilling Water Resistivity = ~~16.30~~ Ohms.

Approx Water Level = 37 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 21	16	Dry sand	
3.	21 - 30	9	Clay kankar	
4.	30 - 36	6	Fine sand	
5.	36 - 40	4	Clay kankar	
6.	40 - 55	15	Medium sand & kankar	Medium
7.	55 - 60	5	Clay kankar	
<del>8.</del>	<del>60 - 70*</del>	<del>10</del>	<del>Fine to medium sand</del>	<del>Medium</del>
9.	70 - 77	7	Clay kankar	
<del>10.</del>	<del>77 - 83*</del>	<del>6</del>	<del>Fine to medium sand</del>	<del>Medium</del>
11.	83 - 88	5	Clay kankar	
<del>12.</del>	<del>88 - 97*</del>	<del>9</del>	<del>Medium sand</del>	<del>Medium</del>
13.	97 - 110	13	Clay Kankar	
<del>14.</del>	<del>110 - 120*</del>	<del>10</del>	<del>Medium sand</del>	<del>Medium</del>
15.	120 - 185	65	Clay kankar	

- Logging performed as per ISM guidelines  
Groundwater quality interpreted by ferns as per their logger calibration  
GSR  
21/02/23

