

# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

## Introduction :

A Deep bore hole was drilled 200 mtrs. depth. and Logged depth ~~190~~ 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 17.June.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 = ~~16.52~~ Ohms.

Drilling Water Resistivity = ~~17.64~~ Ohms.

Approx Water Level = 14 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Fine sand	
3.	20 - 30	10	Clay kankar	
4.	30 - 35	5	Fine to Medium sand	Medium
5.	35 - 48	13	Clay kankar	
<del>6.</del>	<del>48 - 55*</del>	<del>7</del>	<del>Medium sand</del>	<del>Medium</del>
<del>7.</del>	<del>55 - 65</del>	<del>10</del>	<del>Clay kankar</del>	
<del>8.</del>	<del>65 - 70*</del>	<del>5</del>	<del>Medium sand</del>	<del>Medium</del>
9.	70 - 95	25	Clay kankar	
<del>10.</del>	<del>95 - 100*</del>	<del>5</del>	<del>Fine to Medium sand</del>	<del>Medium</del>
11.	100 - 111	11	Clay kankar	
<del>12.</del>	<del>111 - 119*</del>	<del>8</del>	<del>Fine to Medium sand</del>	<del>Medium</del>
13.	119 - 136	17	Clay kankar	
<del>14.</del>	<del>136 - 144*</del>	<del>8</del>	<del>Fine to Medium sand</del>	<del>Medium</del>
15.	144 - 150	6	Clay kankar	
<del>16.</del>	<del>150 - 158*</del>	<del>8</del>	<del>Fine to Medium sand</del>	<del>Medium</del>
17.	158 - 190	32	Clay kankar	

Ground Water Survey Consultancy



- Logging performed as per SWM guidelines  
- Groundwater quality interpreted by form as per their logger calibration  
GSR  
19/06/23