REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- GURSABAD, BLOCK- SHAMSHABAD,
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 = 16.49 Ohms.

Drilling Water Resistivity = 17.19 Ohms.

Approx Water Level = 15 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 40	25	Medium sand	Medium
4.	40 - 55	15	Clay kankar	
5.	55 - 58	3	Fine to Medium sand	Medium
6.	58 - 65	7	Clay kankar	
7.	65 - 70	5	Kankar with sand	
8.	70 - 95	25	Clay kankar	
9.	95 - 100*	5	Fine to Medium sand	Medium
10.	100 - 105	5	Clay kankar	
11.	105 - 111*	6	Fine to Medium sand	Medium
12.	111 - 118	7	Clay kankar	
13.	118 - 122*	4	Fine to Medium sand	Medium
14.	122 - 131	9	Clay kankar	
15.	131 - 140*	9	Fine to Medium sand	Medium
16.	140 - 144	4	Clay kankar	
17.	144 - 146	2	Fine sand	Medium
18.	146 - 155	9	Clay kankar	
19.	155 - 160	5	Fine sand	Medium
20.	160 - 190	30	Clay kankar	

Ground Water Survey Consultancy
Agra

- Logging performed as per CGWA guidelines
- Groundwater quality interpreted by formulae as per their Logger calibration

GSC
19/06/23