

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SITAULI, BLOCK- KAMALGANJ
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 203 mtrs. depth. and Logged depth 200 mtrs. at above site. Was drilled by M/s V.V. Infra Ltd., Ghaziabad.

On the request of M/s V.V. Infra Ltd., Ghaziabad. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.May.2022.

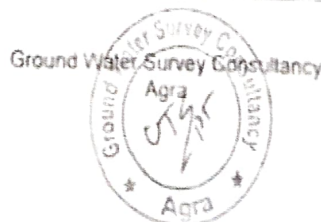
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral
Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 33 00 Ohms

Drilling Water Resistivity = 35.67 Ohms

Approx Water Level = 25 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 24	19	Dry sand	
3.	24 - 32	8	Medium sand	
4.	32 - 40	8	Clay kankar	
5.	40 - 58*	18	Medium sand	Good
6.	58 - 71	13	Clay kankar	
7.	71 - 90*	19	Medium sand	Good
8.	90 - 92	2	Clay kankar	
9.	92 - 102	10	Kankar	
10.	102 - 109	7	Clay kankar	
11.	109 - 112*	3	Fine to Medium sand	Medium
12.	112 - 130	18	Clay kankar	
13.	130 - 133	3	Fine sand	Medium
14.	133 - 142	9	Clay kankar	
15.	142 - 148*	6	Fine to Medium sand	Medium
16.	148 - 175	27	Clay kankar	
17.	175 - 184*	9	Fine to Medium sand	Medium
18.	184 - 200	16	Clay kankar	



- Logging performed as per SWM guidelines - Groundwater quality interpreted by firm as per their logger calibration

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