

REPORT ON GEOPHYSICAL WELL LOGGING AT

**GRAM PANCHAYAT- NAGLA KEL, BLOCK- NAWABGANJ
DISTT- FARRUKHABAD
UNDER
JAL JIVAN MISSION**

Introduction :

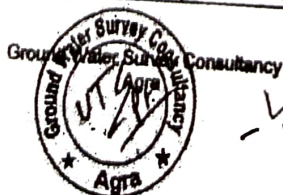
A Deep bore hole was drilled 200 mtrs. depth. and Logged depth 192 mtrs. at above site. Was drilled by M/s G.V.P.R. Engineering Ltd., Hyderabad.

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 29. July. 2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-84), 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 = 13.06 Ohms.
Drilling Water Resistivity = 14.13 Ohms.
Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 18	8	Dry sand	
4.	18 - 25	7	Clay kankar	
5.	25 - 32	7	Medium sand	Med. to Good
6.	32 - 35	3	Clay	
7.	35 - 39	4	Medium sand	Med. to Good
8.	39 - 43	4	Kankar	
9.	43 - 54*	11	Medium sand	Med. to Good
10.	54 - 61	7	Clay kankar	
11.	61 - 67*	6	Medium sand	Medium
12.	67 - 94	27	Clay kankar	
13.	94 - 100	6	Kankar	
14.	100 - 111	11	Clay kankar	
15.	111 - 117*	6	Fine to Medium sand	Medium
16.	117 - 150	33	Clay kankar	
17.	150 - 156	6	Sand & Kankar	Medium
18.	156 - 192	36	Clay kankar	



Logging performed as per SWs in good quality interpreted by fine as per their log log

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