

**REPORT ON GEOPHYSICAL WELL LOGGING**  
**AT**  
**GRAM PANCHAYAT-RAFATPUR, BLOCK-ISLAMNAGAR**  
**DISTT.-BADAUN**  
**UNDER**  
**JAL JIVAN MISSION**

**Introduction:**

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 16.Apr.2022.

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

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Sandy clay	
4.	25 - 32	7	Clay kankar	
5.	32 - 38	6	Fine to Medium sand	Good
6.	38 - 42	4	Clay kankar	
7.	42 - 56*	14	Medium sand	Good
8.	56 - 63	7	Clay kankar	
9.	63 - 67*	4	Medium sand	Good
10.	67 - 72	5	Clay kankar	
11.	72 - 90*	18	Medium sand & Kankar	Good
12.	90 - 95	5	Clay kankar	
13.	95 - 105*	10	Medium sand	Good
14.	105 - 110	5	Clay kankar	

