

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHOOBRA MUSTAHKAM, BLOCK- SUAR, DISTT- RAMPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 165 mtrs. depth. and Logged depth 135 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Rampur.

On the request of M/s LC Infra Projects Pvt. Ltd., Rampur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Feb.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Clay	
3.	14 - 28	14	Sand & kankar	
4.	28 - 55	27	Clay kankar	
5.	55 - 62*	7	Medium sand	Medium
6.	62 - 75	13	Clay kankar	
7.	75 - 83*	8	Medium sand	Medium
8.	83 - 102	19	Clay kankar	
9.	102 - 106*	4	Fine to Medium sand	Medium
10.	106 - 115	9	Clay kankar	
11.	115 - 118*	3	Fine to Medium sand	Medium
12.	118 - 121	3	Clay kankar	
13.	121 - 131*	10	Medium sand & kankar	Medium
14.	131 - 135	4	Clay kankar	

