

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-451

Date:- 16-03-2023

NAME OF SITE

GRAM PANCHAYAT- Rasoolpur Sankalpathi BLOCK- Pilana DISTT- Baghpat

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.
Baghpat



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.



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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RASOOLPUR SANKALPUTHI, BLOCK- PILANA, DISTT- BAGHPAT
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 146 mtrs. depth. and Logged depth 133 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd., Baghpat.

On the request of M/s LC Infra Projects Pvt. Ltd., Baghpat. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 16.Mar.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 - 10	5	Clay kankar	
3.	10 - 15	5	Fine sand	
4.	15 - 22	7	Clay kankar	Medium
5.	22 - 30	8	Fine to Medium sand	
6.	30 - 35	5	Clay kankar	Medium
7.	35 - 50	15	Medium sand & kankar	
8.	50 - 53	3	Clay kankar	Medium
9.	53 - 70*	17	Medium sand	
10.	70 - 80	10	Clay kankar	Medium
11.	80 - 92	12	Sand & kankar	
12.	92 - 105	13	Clay kankar	Medium
13.	105 - 120*	15	Medium sand	
14.	120 - 125	5	Clay kankar	
15.	125 - 128	3	Sandy clay	
16.	128 - 133	5	Clay kankar	

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Rho a
 NI6 (SN)
 NI4(LN)
 LAT
 Logging Details:
 V - Rajesh Kumar
 B - Geol. Eng. Dept. Agartala
 UPLDSS No. 4
 16 May 2023
 01.04
 Udhart Ganga (CG)

Logger's No:
 IGIS/S/03/21-22

SP (m V)
 Logger's Code:
 DMPL-2
 Logger's Name:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

