

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:-N-1270

Date:- 20-02-2023

**NAME OF SITE**

GRAM PANCHAYAT- Barwala

BLOCK- Baoli

DISTT- Baghpat

**NAME OF AGENCY**

LC Infra Projects Pvt. Ltd.  
Baghpat



**GROUND WATER SURVEY CONSULTANCY**

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

## GRAM PANCHAYAT- BARWALA, BLOCK- BAOLI, DISTT- BAGHPAT UNDER JAL JIVAN MISSION

### Introduction :

A Deep bore hole was drilled 138 mtrs. depth. and Logged depth 138 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 20.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 - 18	13	Fine to Medium sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 43	13	Medium sand	Medium
5.	43 - 46	3	Clay kankar	
6.	46 - 62*	16	Medium sand	Medium
7.	62 - 70	8	Clay kankar	
8.	70 - 84*	14	Medium sand	Medium
9.	84 - 95	11	Clay kankar	
10.	95 - 100	5	Fine sand	Medium
11.	100 - 108	8	Clay kankar	
12.	108 - 115	7	Fine sand	Medium
13.	115 - 138	23	Clay	



**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.

**Geophysicist**



**Ground Water Survey Consultancy**

**Rho a**  
 N16 (SN)  
 N64(LN)  
 LAT

**Logging Details**  
 00775 Vitrinite & Rock  
 Data Acquisition  
 02/20/11 12:55:06  
 22 Feb 2012  
 18:17  
 J. B. T.

Logger's Name  
 IGIS/S/OA/21-22

Logger's Voice  
 DMPL-2  
 Logger Owned by  
 Ground Water  
 Survey Consultancy  
 Agra UP

