

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-N-1271

Date:- 20-02-2023

NAME OF SITE

GRAM PANCHAYAT- Fatehpur Poothi BLOCK- Baghpat DISTT- Baghpat

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.
Baghpat



GROUND WATER SURVEY CONSULTANCY

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ISO ; 9001 : 2015

Ground Water Survey Consultancy
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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- FATEHPUR POOTHI, BLOCK- BAGHPAT, DISTT- BAGHPAT UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 147 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 - 12	7	Clay kankar	
3.	12 - 20	8	Fine sand	
4.	20 - 25	5	Clay kankar	
5.	25 - 33	8	Medium sand	Medium
6.	33 - 37	4	Clay kankar	
7.	37 - 41	4	Medium sand	Medium
8.	41 - 46	5	Clay kankar	
9.	46 - 52*	6	Medium sand	Medium
10.	52 - 60	8	Clay kankar	
11.	60 - 78*	18	Medium sand	Medium
12.	78 - 89	11	Clay kankar	
13.	89 - 103	14	Fine sand	Medium
14.	103 - 124	21	Clay kankar	
15.	124 - 135*	11	Medium sand	Medium
16.	135 - 140	5	Clay kankar	
17.	140 - 147	7	Sandy 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)
NS4(LIN)
LAT

Logging Details
936 mg Vial for sum
Discarded from deposit
UT LOGGING
22 Feb 2023
17:15
Agra

Logger's No
IGIS/SA/21-22

SP (m V)
Logger Model
DMP-L-2
Logger Owned by
Ground Water
Survey Consultancy
Agra UP

