

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B- 1590

Date:- 21-08-2023

NAME OF SITE

GRAM PANCHAYAT- Ajampur Mulsam BLOCK- Binoli 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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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- AJAMPUR MULSAM, BLOCK- BINOLI,
DISTT- BAGHPAT
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 137 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 21.Aug.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	Dry sand	
3.	18 - 28	10	Clay kankar	
4.	28 - 36	8	Fine to Medium sand	Medium
5.	36 - 40	4	Clay kankar	
6.	40 - 43	3	Fine sand	Medium
7.	43 - 50	7	Clay kankar	
8.	50 - 65*	15	Medium sand	Medium
9.	65 - 70	5	Clay kankar	
10.	70 - 81*	11	Medium sand	Medium
11.	81 - 90	9	Clay kankar	
12.	90 - 93	3	Fine sand	Medium
13.	93 - 100	7	Clay kankar	
14.	100 - 110*	10	Medium sand & kankar	Medium
15.	110 - 137	27	Clay kankar	

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

Report No:
 N10 (S/N)
 N10 (S/N)
 LAT
 Logging Details
 Logging of data for the purpose of
 (S/N) (S/N) (S/N)
 (S/N) (S/N) (S/N)
 21 Aug 2011
 14:02
 (S/N)
 Loggers Name:
 SP (m V)
 DNAPL-2
 Loggers Contacted by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

