

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-431

Date:- 13-03-2023

### NAME OF SITE

GRAM PANCHAYAT- Kandra BLOCK- Badot 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  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KANDERA, BLOCK- BADOT, DISTT- BAGHPAT  
UNDER  
JAL JIVAN MISSION

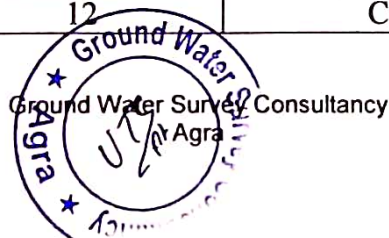
## Introduction :

A Deep bore hole was drilled 141 mtrs. depth. and Logged depth 140 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 13.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 - 15	10	Clay kankar	
3.	15 - 20	5	Dry sand	
4.	20 - 23	3	Clay kankar	
5.	23 - 28	5	Fine sand	Medium
6.	28 - 31	3	Clay kankar	
7.	31 - 35	4	Fine to Medium sand	Medium
8.	35 - 41	6	Clay kankar	
9.	41 - 65*	24	Medium sand	Medium
10.	65 - 71	6	Clay kankar	
11.	71 - 78*	7	Medium sand	Medium
12.	78 - 83	5	Clay kankar	
13.	83 - 86	3	Fine sand	Medium
14.	86 - 95	9	Clay kankar	
15.	95 - 105	10	Sand & kankar	Medium
16.	105 - 110	5	Clay kankar	
17.	110 - 118*	8	Fine to Medium sand	Medium
18.	118 - 123	5	Clay kankar	
19.	123 - 128*	5	Medium sand & kankar	Medium
20.	128 - 140	12	Clay kankar	



**Conclusions and Recommendations :-**

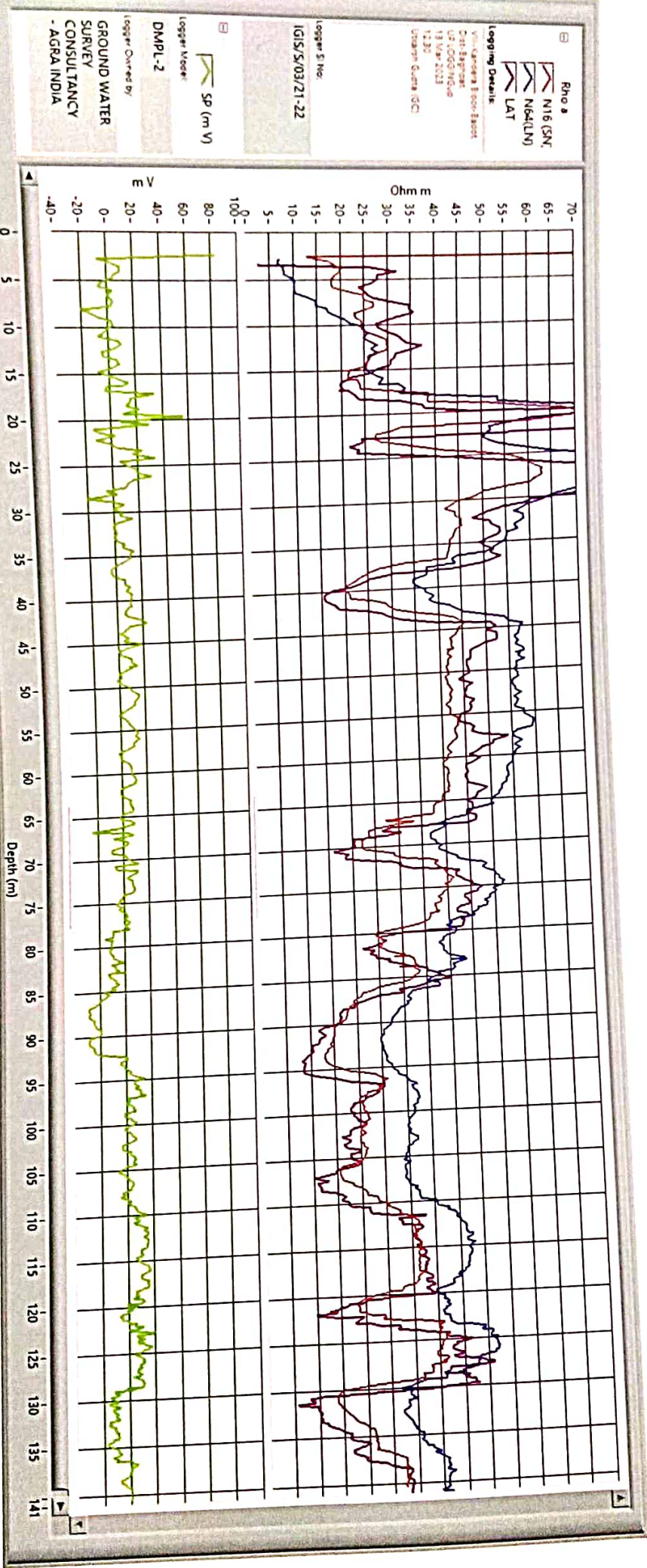
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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**





# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-429

Date:- 13-03-2023

### NAME OF SITE

GRAM PANCHAYAT- Hameedabad Nayagaon BLOCK- Baghpat DISTT- Baghpat

### NAME OF AGENCY

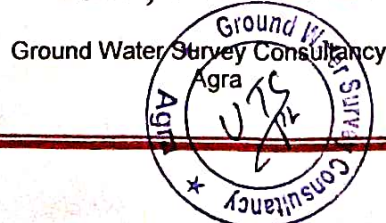
LC Infra Projects Pvt. Ltd.  
Baghpat



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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HAMEEDABAD NAYAGAON, BLOCK- BAGHPAT,  
DISTT- BAGHPAT

UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 157 mtrs. depth. and Logged depth 153 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 13.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 - 17	12	Dry sand	
3.	17 - 24	7	Clay kankar	
4.	24 - 47	23	Medium sand	Medium
5.	47 - 55	8	Clay kankar	
6.	55 - 67*	12	Medium sand	Medium
7.	67 - 80	13	Clay kankar	
8.	80 - 90*	10	Medium sand	Medium
9.	90 - 103	13	Clay kankar	
10.	103 - 115*	12	Medium sand	Medium
11.	115 - 132	17	Clay kankar	
12.	132 - 140	8	Sand & kankar	Medium
13.	140 - 153	13	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**



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