

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 533

Date:- 19-07-2022

NAME OF SITE

GRAM PANCHAYAT- Fatehabad

BLOCK- Noorpur

DISTT- Bijnour

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.- TCEL(JV)
Bijnour



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- FATEHABAD, BLOCK- NOORPUR, DISTT- BIJNOUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 152 mtrs. depth. and Logged depth 150 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour.

On the request of M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijnour. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 19.July.2022.

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	Sandy clay	
3.	15 - 24	9	Fine sand	
4.	24 - 28	4	Clay kankar	
5.	28 - 37	9	Fine to Medium sand	Good
6.	37 - 45	8	Kankar	
7.	45 - 55*	10	Medium sand	Good
8.	55 - 77	22	Clay kankar	
9.	77 - 88	11	Fine sand	Good
10.	88 - 90	2	Clay kankar	
11.	90 - 110*	20	Fine to Med. sand & Kankar	Good
12.	110 - 130	20	Clay kankar	
13.	130 - 136*	6	Fine to Medium sand	Good
14.	136 - 150	14	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 Good.
4. Expected discharge is 800 to 900 L.P.M.
5. 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.
6. 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
 N 155N
 N 64 (LV)
 LAT

Location:
 Logging -
 Date:
 Time:
 Operator:
 Station Name:
 Well Depth:

