

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 530

Date:- 19-07-2022

NAME OF SITE

GRAM PANCHAYAT- Chehla

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.

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

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHEHLA, BLOCK- NOORPUR, DISTT- BIJNOUR UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 152 mtrs. depth. and Logged depth 152 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 - 10	5	Dry sand	
3.	10 - 22	12	Clay	
4.	22 - 32	10	Sandy clay	
5.	32 - 40	8	Fine sand	Good
6.	40 - 42	2	Clay kankar	
7.	42 - 52	10	Fine sand	Good
8.	52 - 55	3	Clay kankar	
9.	55 - 67*	12	Medium sand	Good
10.	67 - 80	13	Kankar	
11.	80 - 110*	30	Medium sand	Good
12.	110 - 120*	10	Fine to Medium sand	Good
13.	120 - 135	15	Sandy clay	
14.	135 - 152	17	Clay kankar	

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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 1000 to 1100 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



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Rho_a

- ▬ N 16 S(N)
- ▬ N 64 (LN)
- ▬ LAT

Location: 1000 m of Chandra Bhan
 Near Durgam Chauraha
 Lat: 28° 30' N
 Long: 77° 10' E
 Date: 12/11/2011
 Client: A.P. Singh
 Operator: Suresh Kumar
 User: Suresh

SP

