

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 212

Date:- 11-05-2022

NAME OF SITE

Gram Panchayat- Etura

BLOCK- Dadrol

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.  
Shahjahanpur



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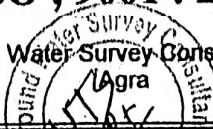
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ETAURA, BLOCK- DADROL, DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 11.May.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 8	3	Clay kankar	
3.	8 - 18	10	Fine to Medium sand	Good
4.	18 - 22	4	Kankar	
5.	22 - 68*	46	Medium sand	Good
6.	68 - 75	7	Clay kankar	
7.	75 - 85*	10	Fine to Medium sand	Good
8.	85 - 87	2	Clay kankar	
9.	87 - 97	10	Kankar with Sand	Good
10.	97 - 107	10	Clay kankar	
11.	107 - 116*	9	Fine to Medium sand	Good
12.	116 - 120	4	Clay kankar	

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**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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 900 to 1000 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  
 M16 (SN)  
 M64 (LN)  
 LAT

LOGS by V. Bhatnagar  
 Date: 01/08/2012  
 Location: DOWNTOWN AGRA  
 11/11/2012  
 12:27  
 Survey: GSDR (S)

SP (m V)

