

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- 328

Date:- 02-06-2022

**NAME OF SITE**

Gram Panchayat- Dugarpur

BLOCK- Kanth

DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**

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- DUGARPUR, BLOCK- KANTH  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

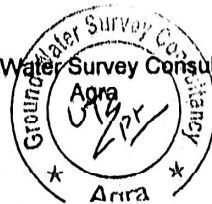
A Deep bore hole was drilled 140 mtrs. depth and Logged depth 140 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 02.June.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	Clay kankar	
3.	10 - 27	17	Fine sand	Good
4.	27 - 31	4	Clay kankar	
5.	31 - 40	9	Medium sand	Good
6.	40 - 45	5	Clay kankar	
7.	45 - 82*	37	Medium sand	Good
8.	82 - 89	7	Clay kankar	
9.	89 - 106*	17	Medium sand	Good
10.	106 - 112	6	Clay kankar	
11.	112 - 135*	23	Medium sand	Good
12.	135 - 140	5	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**



**Ground Water Survey Consultancy**

Rho<sub>s</sub>  
 N16(SN)  
 N64(LN)  
 LAT  
 Logging VI  
 Dugarpur Block:  
 Kanth Distt  
 Shahjahanpur  
 LOGGIRGUP  
 02 Jun 2022  
 16:52  
 Ulkash Gupta (AG)

SP (mV)

