

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

**GEO-PHYSICAL WELL**  
**ELECTOLOGGING REPORT**

Ref No:- 381

Date:- 15-06-2022

**NAME OF SITE**

Gram Panchayat- Dhukri Buzurg      BLOCK- Banda      DISTT- Shahjahanpur

**NAME OF AGENCY**

M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
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**ISO ; 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DHUKRI BUZURG, BLOCK- BANDA  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 142 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 15.June.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:-

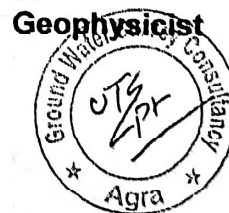
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 14	9	Clay kankar	
3.	14 - 40	26	Medium sand	Good
4.	40 - 46	6	Clay kankar	
5.	46 - 62*	16	Medium sand	Good
6.	62 - 66	4	Clay kankar	
7.	66 - 87*	21	Medium sand & Kankar	Good
8.	87 - 92	5	Clay kankar	
9.	92 - 106*	14	Medium sand	Good
10.	106 - 110	4	Clay kankar	
11.	110 - 134*	24	Medium sand	Good
12.	134 - 140	6	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 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.



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Rho s  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging VI Dhukri  
 Buzurg Block: Banda  
 Distt. Shahjahanpur  
 LOGGIII/Gup  
 15 Jun 2022  
 19.09  
 Uraish Gupta (G)

SP (m V)

