

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 265

Date:- 29-12-2021

NAME OF SITE

GRAM PANCHAYAT- Munwarganj Urf Brenda BLOCK- Kanth  
DISTT- Shahjanhapur

NAME OF AGENCY

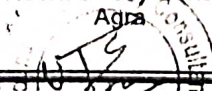
M/s NCC Ltd.  
Shahjanhapur



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

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUNWARGANJ URF BRENDA, BLOCK- KANTH  
DISTT- SHAHAJANHAPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 136 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahajanhapur.

On the request of M/S NCC Ltd., Shahajanhapur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Dec.2021.

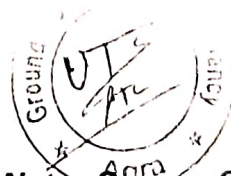
Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface clay	
2.	5 - 8	3	Fine sand	
3.	8 - 15	7	Clay kankar	
4.	15 - 25	10	Fine to Medium sand	Good
5.	25 - 30	5	Clay kankar	
6.	30 - 38	8	Medium sand	Good
7.	38 - 45	7	Clay kankar	
8.	45 - 63*	18	Fine to Med. sand & Kankar	Good
9.	63 - 67	4	Clay kankar	
10.	67 - 78*	11	Fine to Medium sand	Good
11.	78 - 90	12	Clay kankar	
12.	90 - 97*	7	Medium sand	Good
13.	97 - 108	11	Clay kankar	
14.	108 - 123*	15	Fine to Medium sand	Good
15.	123 - 126	3	Clay kankar	
16.	126 - 136*	10	Fine to Medium sand	Good

**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 1200 to 1400 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  
 N16 (SN)  
 N64(LN)  
 LAT

logging VI  
 munawanwar ganj urf  
 brenda block kanth  
 dt shahjahanpur  
 LOGGINGUP  
 29 Dec 2021  
 17:35  
 utkarsih gupta(v)

