

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- 302

Date:- 30-05-2022

NAME OF SITE

Gram Panchayat- Jargawan BLOCK- Jaitipur DISTT- Shahjahanpur

NAME OF AGENCY

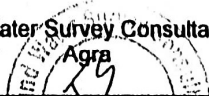
M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JARGAWAN, BLOCK- JAIPUR DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 141 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 30.May.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 - 30	25	Medium sand	Good
3.	30 - 40	10	Clay kankar	
4.	40 - 73*	43	Medium sand	Good
5.	73 - 77	4	Clay kankar	
6.	77 - 93*	16	Medium sand	Good
7.	93 - 104	11	Clay kankar	
8.	104 - 106	2	Very Fine sand	Good
9.	106 - 110	4	Clay kankar	
10.	110 - 129*	19	Medium sand	Good
11.	129 - 140	11	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.

Geophysicist



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Rho s
 N16 (SN)
 N64(LN)
 LAT

Logging VI
 Jargawan Block:
 Jaitpur Dist
 Shahjahanpur
 LOGGILIGUP
 30 May 2012
 10:36
 Utkarsh Gupta (LG)

SP (m V)

