

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

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:- 417

Date:- 20-06-2022

**NAME OF SITE**

Gram Panchayat- Jarouli Kothi      BLOCK- Mirzapur Kalan  
DISTT- Shahjahanpur

**NAME OF AGENCY**

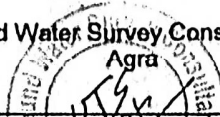
M/s NCC Ltd.  
Shahjahanpur



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 ; 2015**

Ground Water Survey Constiltancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- JAROULI KOTHI, BLOCK- MIRZAPUR KALAN  
DISTT- SHAHJAHANPUR  
UNDER  
JAL JIVAN MISSION

## Introduction :

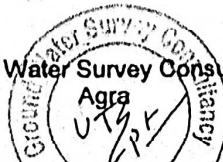
A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 142 mtrs. at above site. Was drilled by M/S NCC Ltd., Shahjahanpur.

On the request of M/S NCC Ltd., Shahjahanpur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 20.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 - 25	20	Medium sand & Kankar	
3.	25 - 29	4	Clay kankar	
4.	29 - 42	13	Medium sand	Good
5.	42 - 58	16	Clay kankar	
6.	58 - 64*	6	Medium sand	Good
7.	64 - 89	25	Clay kankar	
8.	89 - 97*	8	Fine to Medium sand	Good
9.	97 - 107	10	Clay kankar	
10.	107 - 120*	13	Medium sand	Good
11.	120 - 125	5	Clay kankar	
12.	125 - 127	2	Fine to Medium sand	Good
13.	127 - 142	15	Clay kankar	

Ground Water Survey Consultancy



**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 500 to 700 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 2

M16 (SN)  
N64(LIN)  
LAT

CGRAC/AGRI/ENR  
V. GARG, V. S. B. DIXI  
S. K. SINGH, P.  
G. S. LINGAM  
22/04/2022  
15:04  
NORTH INDIA (AG)

□

SP (m V)

