

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B- 661

Date:- 27-05-2023

NAME OF SITE

GRAM PANCHAYAT- Kurgaow BLOCK- Khudaganj Katra DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

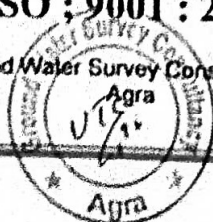


GROUND WATER SURVEY CONSULTANCY

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 Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KURGAOW, BLOCK- KHUDAGANJ KATRA,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

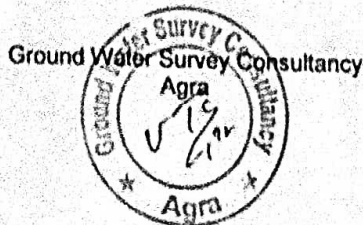
Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 27.May.2023.

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 - 7	2	Clay kankar	
3.	7 - 13	6	Fine sand	
4.	13 - 18	5	Clay kankar	
5.	18 - 30	12	Fine to Medium sand	Good
6.	30 - 42	12	Clay kankar	
7.	42 - 53	11	Medium sand	Good
8.	53 - 63	10	Clay kankar	
9.	63 - 88*	25	Medium sand & kankar	Good
10.	88 - 94	6	Clay kankar	
11.	94 - 101*	7	Fine to Medium sand	Good
12.	101 - 113	12	Clay kankar	
13.	113 - 126*	13	Medium sand	Good
14.	126 - 130	4	Clay kankar	



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. 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.
5. 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

No. 1
 N16 (S)
 N84(LN)
 LAT
 Logging Details:
 Date:
 Time:
 Loc:
 S.P. (m V)
 Upper Electrode:
 DAPL-2
 Lower Electrode:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

Date: 15/02/22-23
 Page: 5/10

