

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- A-264

Date:- 20-02-2023

NAME OF SITE

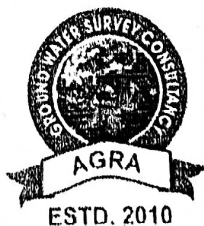
Gram Panchayat- Kari Makuapur

BLOCK- Dadrol

DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur



GROUND WATER SURVEY CONSULTANCY

Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO 9001:2015

Ground Water Survey Consultancy
Agra

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KARI MAKUAPUR, BLOCK- DADROL, DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 132 mtrs. depth. and Logged depth 123 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.Feb.2023.

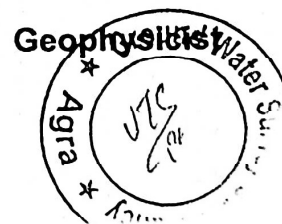
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Clay kankar	
3.	8 - 15	7	Fine sand	Medium
4.	15 - 18	3	Clay kankar	
5.	18 - 32	24	Fine to Medium sand	Medium
6.	32 - 38	6	Clay kankar	
7.	38 - 55	17	Fine to Medium sand	Medium
8.	55 - 70	15	Sand & kankar	Medium
9.	70 - 82*	12	Medium sand	Medium
10.	82 - 90	8	Clay kankar	
11.	90 - 106*	16	Medium sand	Medium
12.	106 - 113	7	Clay kankar	
13.	113 - 121*	8	Medium sand	Medium
14.	121 - 123	2	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 Medium.
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.



Ground Water Survey Consultancy

Rhos
 N16(SN)
 N64(LN)
 LAT

Ge-kin, Noida, U.P.
 District Dst.
 State Uttar Pradesh
 UP LOGS N6-6
 20/1/2003
 12.43
 Gaur

SP (mV)

