GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-N-1654

Date:- 29-03-2023

NAME OF SITE

GRAM PANCHAYAT- Pithanapur BLOCK- Tilhar 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 Agra

REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- PITHANAPUR, BLOCK- TILHAR,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 29.Mar.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	
3.	8 - 45	37	Medium sand	Med to Good
4.	45 - 54	9	Clay kankar	
5.	54 - 85*	31	Medium sand	Med to Good
6.	85 - 88	3	Clay kankar	
7.	88 - 106*	18	Medium sand	Med to Good
8.	106 - 115	9	Clay kankar	
9.	115 - 122*	7	Medium sand	Med to Good
10.	122 - 125	3	Clay kankar	
11.	125 - 127	2	Fine sand	Med to Good
12.	127 - 135	8	Sandy clay	

Ground Water Survey Consultancy
Agra

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.

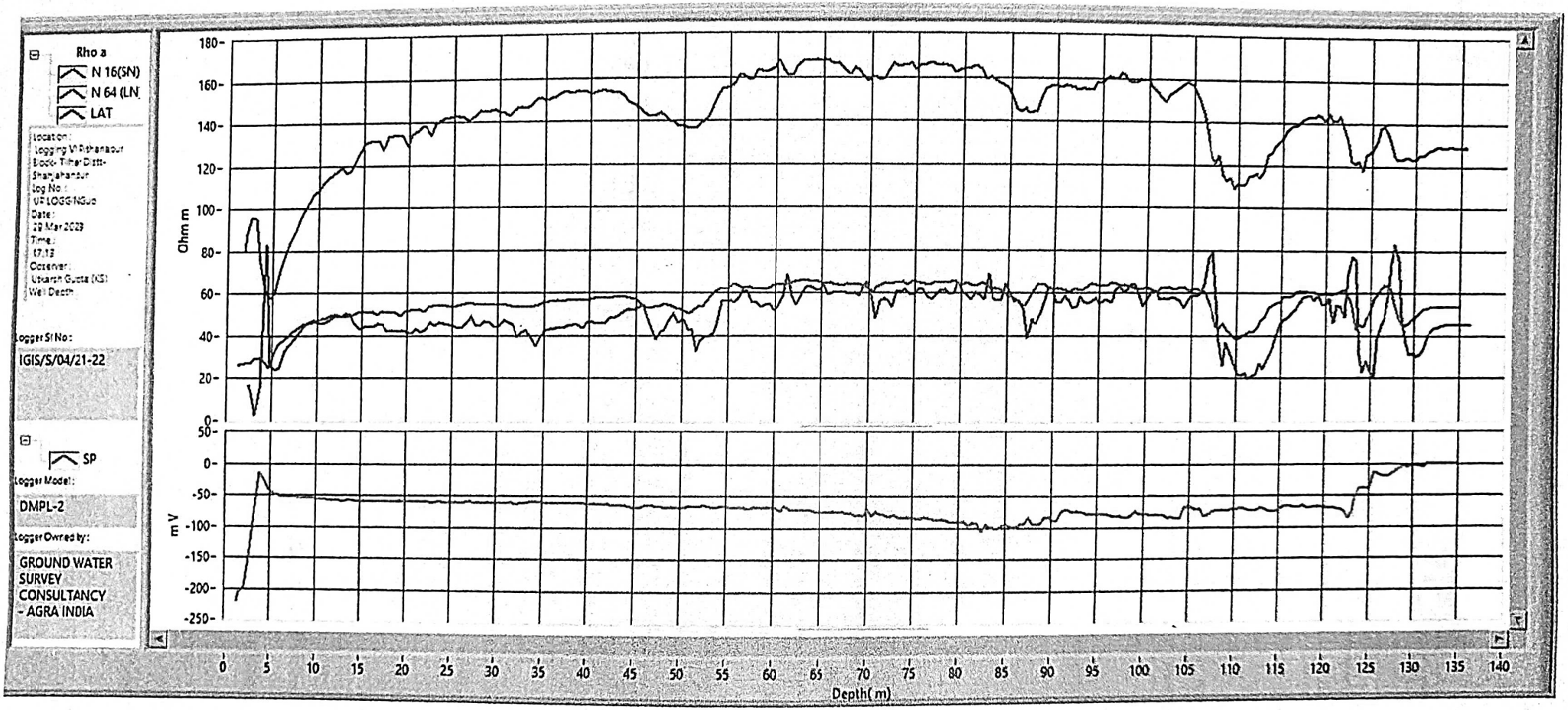
3. The Quality of water is expected Medium to Good.

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


Rho a
N 16(SN)
N 64 (LN
LAT
Location :
Logging W Rishanaur
Block- Tilhar Distt-
Shahjahanpur
Log No :
VF LOGGING02
Date :
19 Mar 2023
Time :
17:13
Observer :
Utkarsh Gupta (KS)
Well Depth
Logger Sl No :
IGIS/S/04/21-22
SP
Logger Model :
DMPL-2
Logger Owned by :
GROUND WATER SURVEY CONSULTANCY - AGRA INDIA
Ohm m
mV
Depth(m)


Ground Water
Agra