GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B-1554

Date:- 17-08-2023

NAME OF SITE

GRAM PANCHAYAT- Malhpur BLOCK- Kanth DISTT- Shahjahanpur

NAME OF AGENCY

M/s NCC Ltd.
Shahjahanpur

GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING
AT

GRAM PANCHAYAT- MALHPUR, BLOCK- KANTH,
DISTT- SHAHJAHANPUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 120 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 17.Aug.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 - 10	5	Dry sand	
3.	10 - 20	10	Clay kankar	
4.	20 - 24	4	Fine sand	
5.	24 - 31	7	Clay kankar	
6.	31 - 45	14	Medium sand	Med to Good
7.	45 - 50	5	Clay kankar	
8.	50 - 56*	6	Medium sand	Med to Good
9.	56 - 60	4	Clay kankar	
10.	60 - 73*	13	Medium sand	Med to Good
11.	73 - 92	19	Clay kankar	
12.	92 - 116*	24	Medium sand & kankar	Med to Good
13.	116 - 120	4	Clay kankar	

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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

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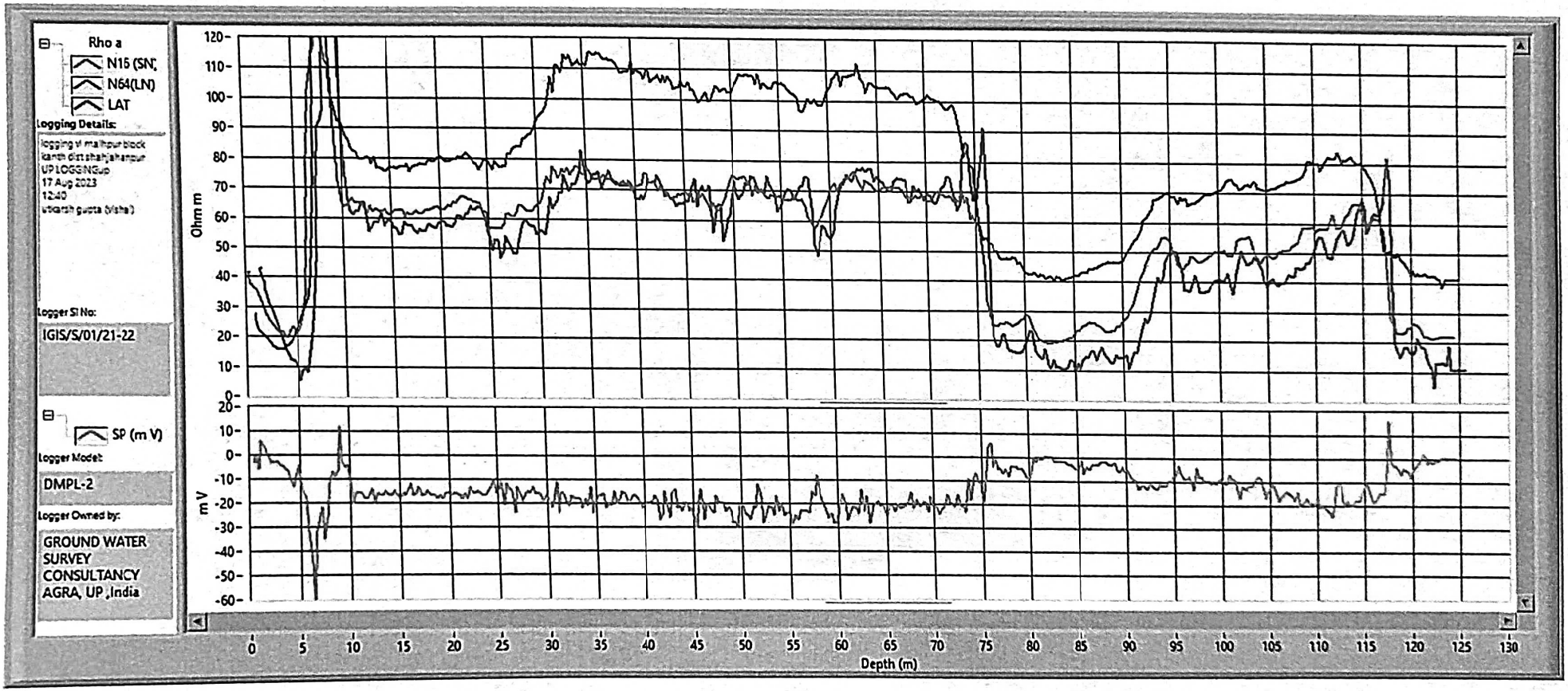
Rho a
N15 (SN)
N64(LN)
LAT
Logging Details:
logging vl malhpur block
kanth dist shahjahanpur
UP LOGGINGup
17 Aug 2023
12:40
utkarsh gupta (Vishu)
Logger Sl No:
IGIS/S/01/21-22
SP (m V)
Logger Model:
DMPL-2
Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP ,India
Ohm m
mV
Depth (m)


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