GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

B - 284

Ref No:- P- 256

Date:- 30-04-2023

NAME OF SITE

GRAM PANCHAYAT- Panethi BLOCK- Dhanipur DISTT- ~~Hathras~~ Aligarh

NAME OF AGENCY

M/s Braj Gopal Construction
Hathras

GROUND WATER SURVEY CONSULTANCY
AGRA
ESTD. 2010

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- PANETHI, BLOCK- DHANIPUR, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 30.April.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:-

Mud Resistivity = 15.23 Ohms.
Drilling Water Resistivity = 16.56 Ohms.
Approx Water Level = 12 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 10	2	Clay kankar	
4.	10 - 17	7	Fine sand	
5.	17 - 24	7	Clay kankar	
6.	24 - 44	20	Fine to Medium sand	Medium
7.	44 - 52	8	Clay kankar	
8.	52 - 55	3	Fine sand	Medium
9.	55 - 60	5	Clay kankar	
10.	60 - 67*	7	Fine to Medium sand	Medium
11.	67 - 75	8	Clay kankar	
12.	75 - 83*	8	Medium sand	Medium
13.	83 - 110	27	Clay kankar	

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 tube well.

3. The Quality of water is expected Medium.

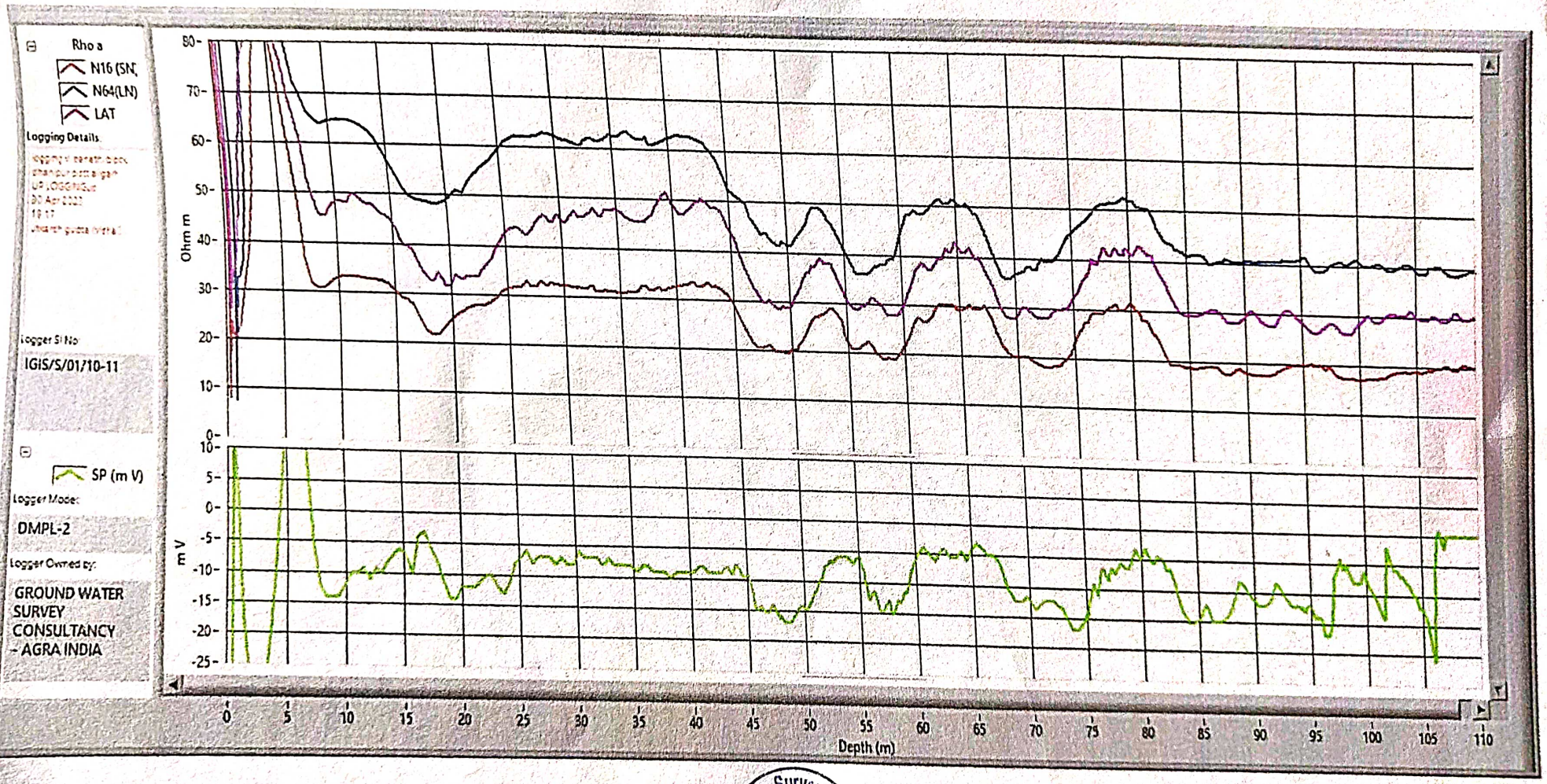
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.

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.

Geophysicist

Ground Water Survey Consultancy Agra

Ground Water Survey Consultancy



Ground Water Survey Consultancy
Agra