

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- B- 1949

Date:- 09-10-2023

NAME OF SITE

GRAM PANCHAYAT- Gijauli Gaon BLOCK- Khandauli DISTT- Agra

NAME OF AGENCY

M/s Shishupal Singh Parihar
Agra



GROUND WATER SURVEY CONSULTANCY
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GIJAULI GAON, BLOCK- KHANDAULI, DISTT- AGRA

Introduction :

A Deep bore hole was drilled 70 mtrs. depth. and Logged depth 65 mtrs. at above site. Was drilled by M/s SHISHUPAL SINGH PARIHAR AGRA

On the request of M/s. SHISHUPAL SINGH PARIHAR AGRA a Geophysical well Logging in the above bore hole using IGIS Well Logger on 09.Oct .2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

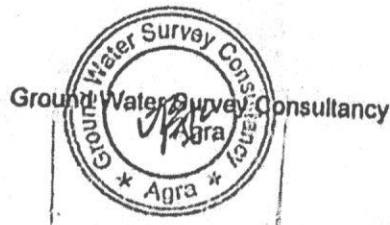
Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 8.80 Ohms.

Drilling Water Resistivity = 10.50 Ohms.

Approx Water Level = 8 Mtr.


	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Dry sand	
3.	7 - 13	6	Clay kankar	
4.	13 - 20	7	Fine sand	
5.	20 - 32	12	Clay kankar	Medium
6.	32 - 38	6	Fine sand	
7.	38 - 65	27	Clay kankar	Saline

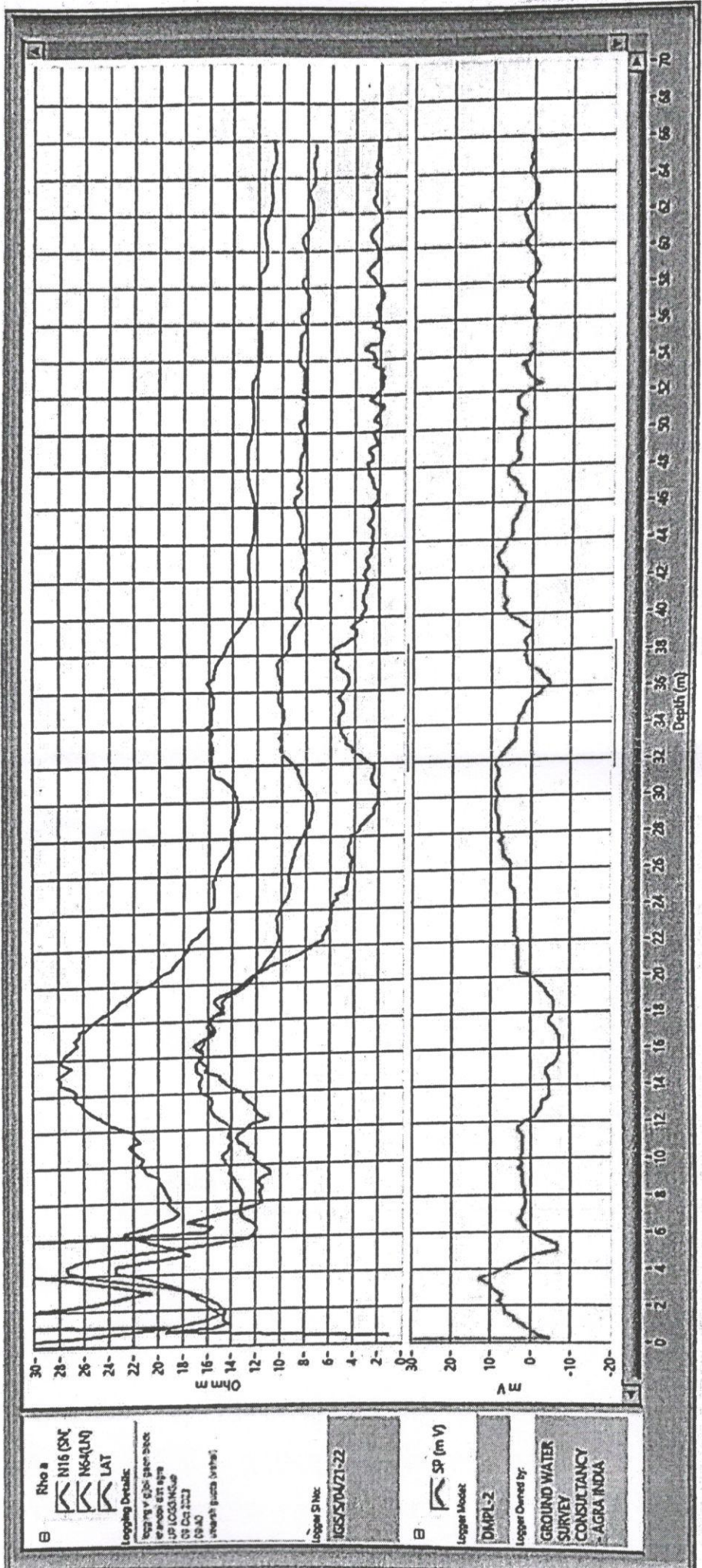


Conclusions and Recommendations :-

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 to Saline.
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
 NI6 (SX)
 N64(LN)
 LAT

Logging Details:

Logging V. G. S. 2000 2000
 1000 1000 1000
 1000 1000 1000
 1000 1000 1000
 1000 1000 1000

Logger SP No:

1000/1000/1000

SP (m V)

DMPL-2

Logger Owned by:

GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

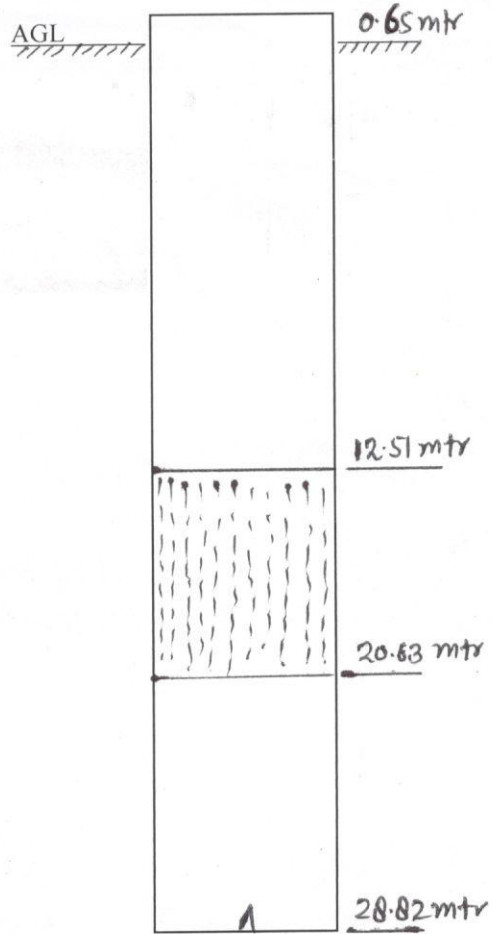


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Gijauli Rebore TW No. 2 Block: Khandauli Tehsil: Etmadpur
District: Agra C.B. No. 01/SE/2023-24
Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 09.10.2023
Drilling Completion Date: 08.10.2023 Logging By: Ground Water Survey Consultancy
Size of Assembly: 200x200 mm Static Water Level: 9.90 m

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-7 mtr	Dry sand
7-13 mtr	Clay Kankar
13-20 mtr	Fine sand
20-32 mtr	Clay Kankar
32-38 mtr	Fine sand
38-65 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	(TDS)
m	(TDS)
m	(TDS)



Prepared By

Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer