

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:-A- 975

Date:- 02-07-2023

NAME OF SITE

AT SITE- Nagla Bhel

BLOCK- Etmadpur

DISTT- Agra

NAME OF AGENCY

Shishupal Singh Parihar  
Agra



GROUND WATER SURVEY CONSULTANCY

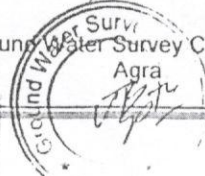
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

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Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

AT SITE- NAGLA BHEL, BLOCK- ETMADPUR, DISTT- AGRA

## Introduction :

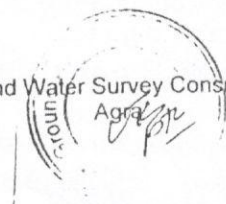
A Deep bore hole was drilled 112 mtrs. depth and logged depth 110 mtrs. at above site was drilled by M/S Shishupal Singh Parihar, Agra.

On the request of M/S Shishupal Singh Parihar, Agra. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 02.July.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 - 22	17	Clay kankar	
3.	22 - 32	10	Dry sand	
4.	32 - 55	23	Clay kankar	
5.	55 - 65*	10	Medium sand	Medium
6.	65 - 78	13	Clay kankar	
7.	78 - 93*	15	Medium sand	Medium
8.	93 - 110	17	Clay kankar	

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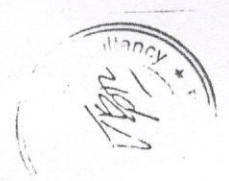
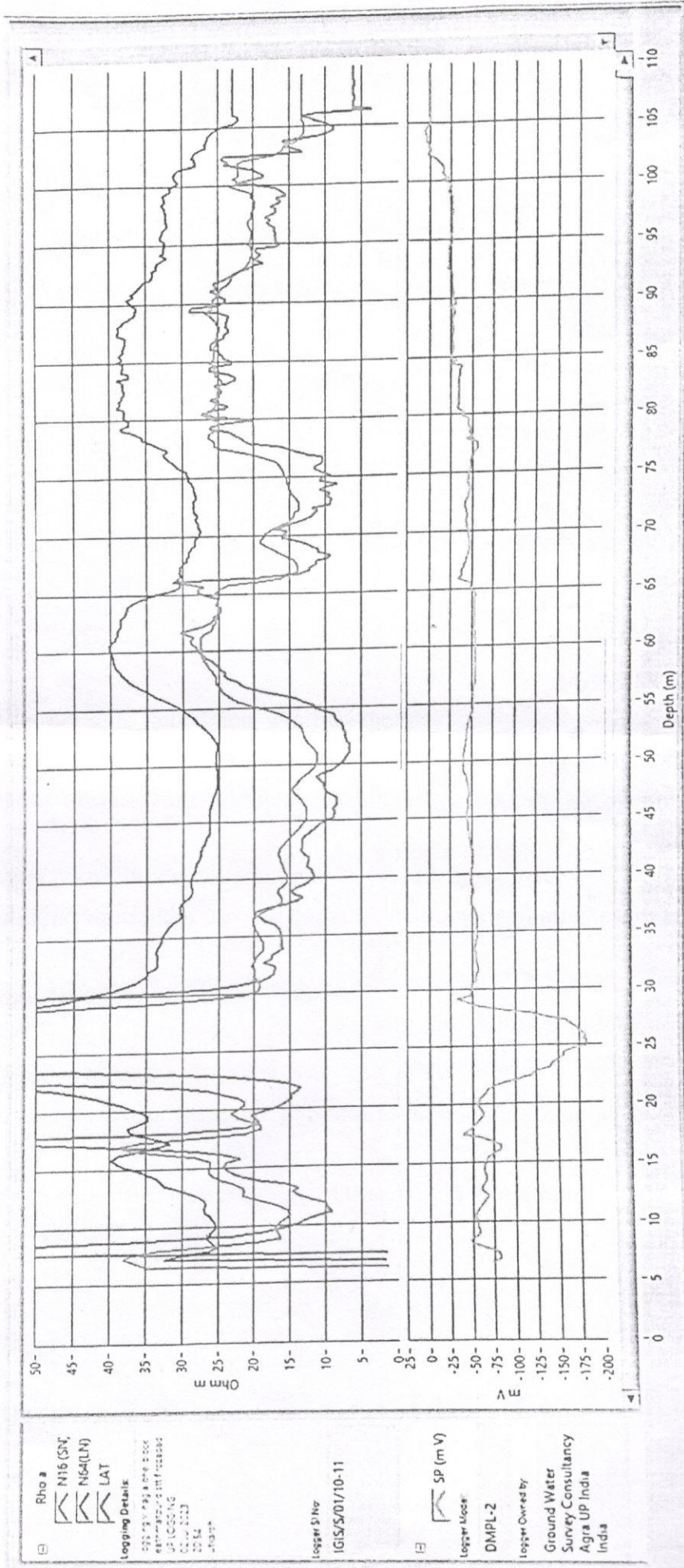


**Conclusions and Recommendations :-**

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.
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.



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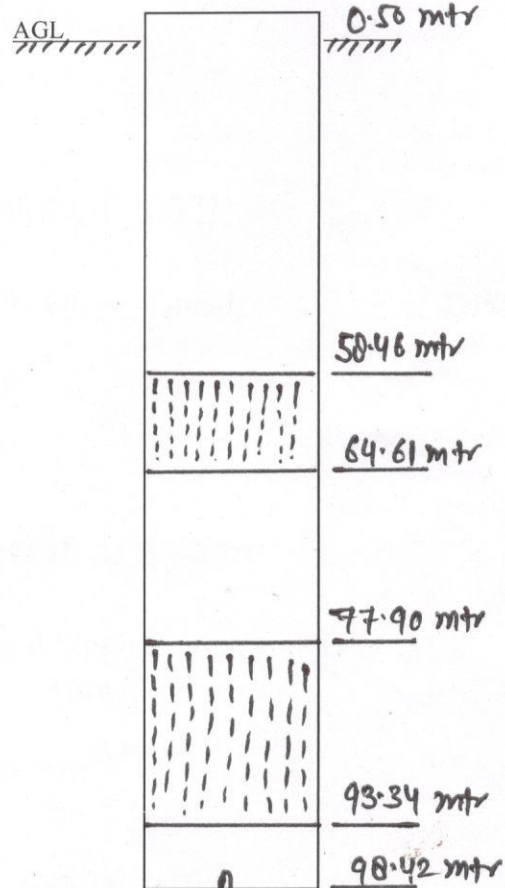


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Nagla Bel TW No.1 Block: Etmadpur Tehsil: Etmadpur  
District: Agra C.B. No. 01/SE/2023-24  
Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 02.07.2023  
Drilling Completion Date: 01.07.2023 Logging By: Ground Water Survey Consultancy  
Size of Assembly: 200x200 mm Static Water Level: 35.10 m

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-22 mtr	Clay Kankar
22-32 mtr	Dry sand
32-55 mtr	Clay Kankar
55-65 mtr	Medium sand
65-78 mtr	Clay Kankar
78-93 mtr	Medium sand
93-110 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	24-37	(349	TDS)
m	58-67	(375	TDS)
m	82-98	(336	TDS)

Prepared By

Contractor

Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer