

# REPORT ON GEOPHYSICAL WELL LOGGING AT

AT SITE- KHERI ARU, BLOCK- ETMADPUR, DISTT- AGRA

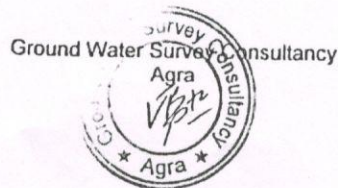
## Introduction :

A Deep bore hole was drilled 115 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 29.June.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 - 20	15	Clay kankar	
3.	20 - 29	9	Medium sand	
4.	29 - 33	4	Clay kankar	
5.	33 - 36	3	Fine to Medium sand	
6.	36 - 40	4	Clay kankar	
7.	40 - 45	5	Fine sand	Medium
8.	45 - 57	12	Clay kankar	
9.	57 - 66*	9	Medium sand	Medium
10.	66 - 70	4	Clay kankar	
11.	70 - 82*	12	Medium sand	Medium
12.	82 - 110	18	Clay kankar	



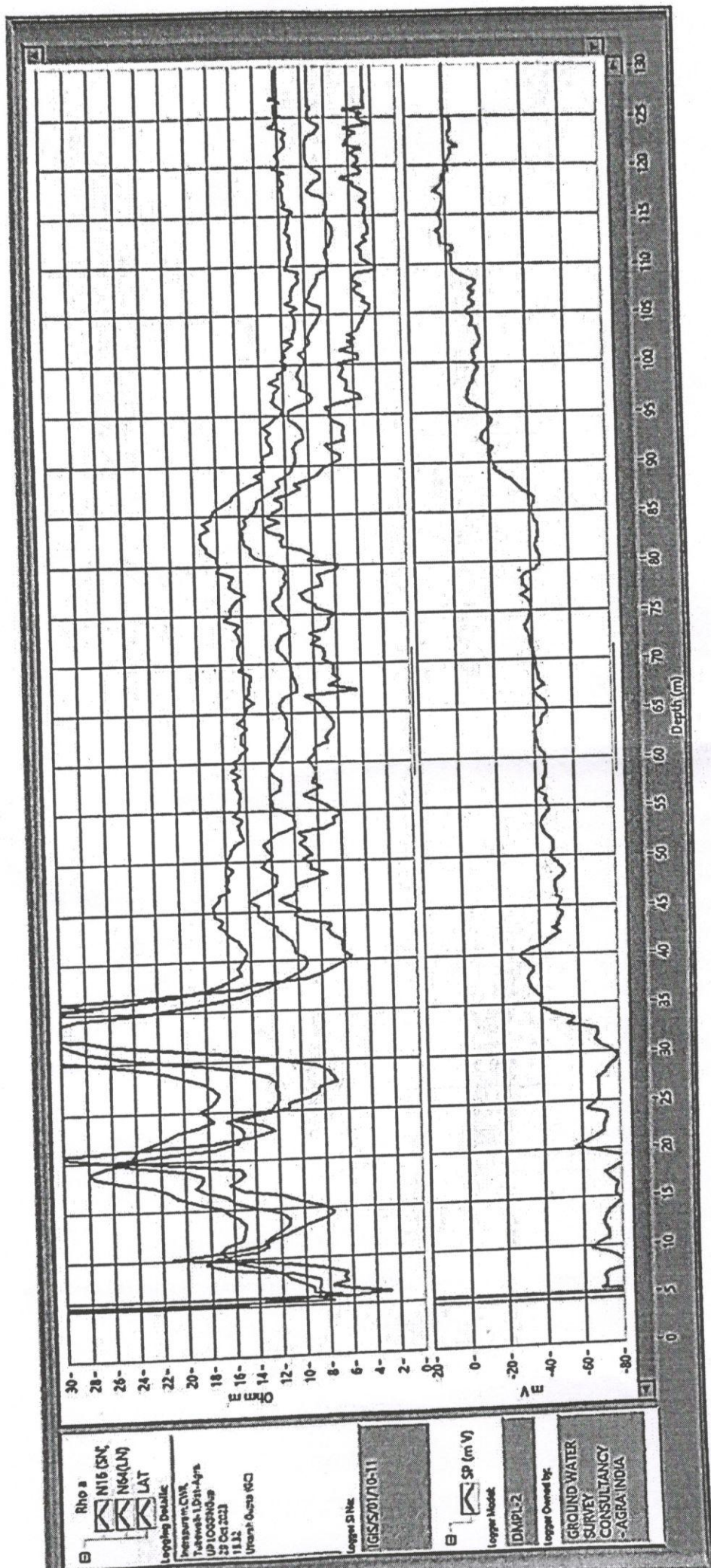
**Conclusions and Recommendations :-**

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 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**

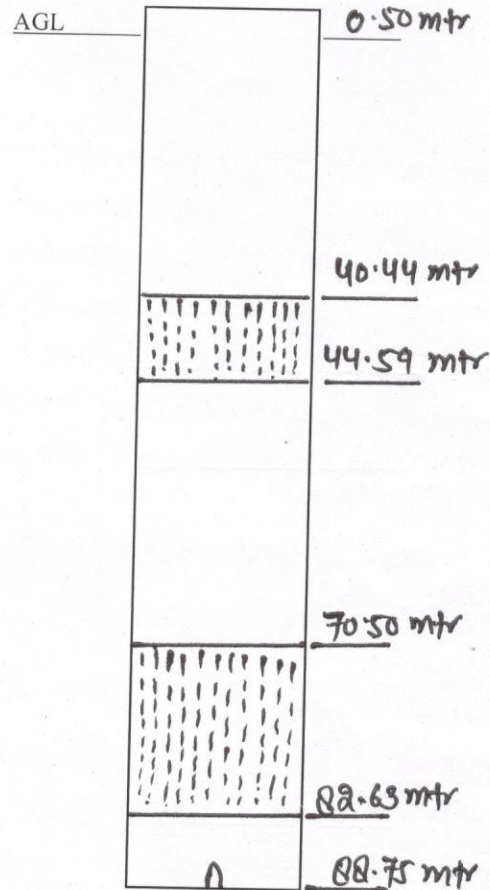


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Kheri Aru Rebore Block: Etmadpur Tehsil: Etmadpur  
District: Agra C.B. No. 01/SE/2023-24  
Name of Contractor: M/s Shishupal Singh Parihal Logging Date: 29.06.2023  
Drilling Completion Date: 28.06.2023 Logging By: Ground Water Survey Consultancy  
Size of Assembly: 200X200 mm Static Water Level: 37 m


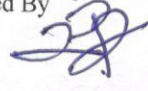
1. Strata as per Drilling/Logging:-


0-5 mtr	Surface soil
5-20 mtr	Clay Kankar
20-29 mtr	Medium sand
29-33 mtr	Clay Kankar
33-36 mtr	Fine to Medium sand
36-40 mtr	Clay Kankar
40-45 mtr	Fine sand
45-57 mtr	Clay Kankar
57-66 mtr	Medium sand
66-70 mtr	Clay Kankar
70-82 mtr	Medium sand
82-110 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	24-34	(262	TDS)
m	58-70	(278	TDS)
m	76-98	(318	TDS)

Prepared By  
  
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Junior Engineer

Recommended By  
  
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Approved By  
  
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