

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A- 1057

Date:- 11-07-2023

NAME OF SITE

AT SITE- Kheri Aru 2nd

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

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

AT SITE- KHERI ARU 2ND, BLOCK- ETMADPUR, DISTT- AGRA

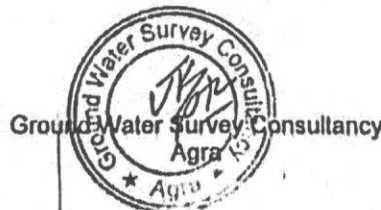
Introduction :

A Deep bore hole was drilled 110 mtrs. depth and logged depth 105 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 11.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 - 12	7	Clay	
3.	12 - 15	3	Dry sand	
4.	15 - 22	7	Clay kankar	
5.	22 - 25	3	Fine sand	
6.	25 - 56	31	Clay kankar	
7.	56 - 69*	13	Medium sand	Medium
8.	69 - 75	6	Clay kankar	
9.	75 - 86*	11	Fine to Medium sand	Med to Marginally
10.	86 - 105	19	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 Medium to Marginally.
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



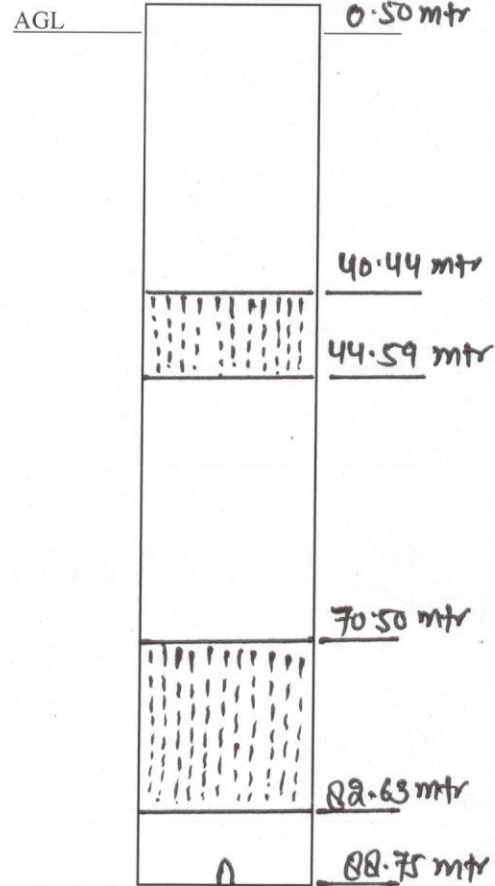
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ACTUAL TUBEWELL ASSEMBLY

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 Parihar 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

Contractor

Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer