

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT**

Ref No:- B- 2755

Date:- 27-12-2023

**NAME OF SITE**

GRAM PANCHAYAT- Baman

BLOCK- Khandauli

DISTT- Agra

**NAME OF AGENCY**

M/s Shishupal Singh Parihar  
Agra



**GROUND WATER SURVEY CONSULTANCY**

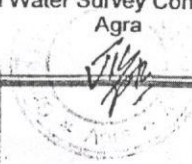
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
Agra



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAMAN, BLOCK- KHANDAULI, DISTT- AGRA

## Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 95 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 27.Dec.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 = 06.32 Ohms.

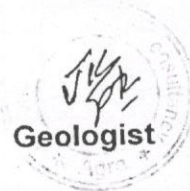
Drilling Water Resistivity = 07.22 Ohms.

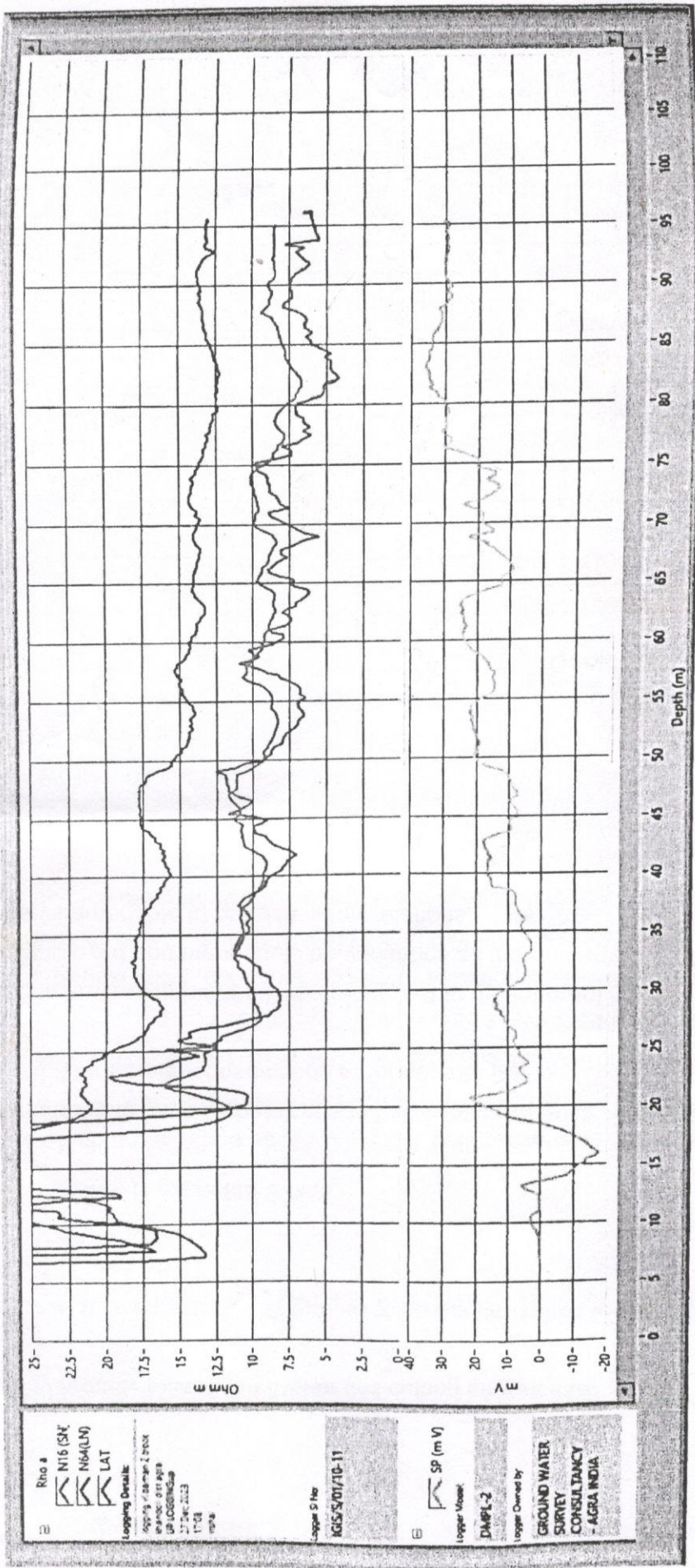
Approx Water Level = 24 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 13	8	Dry sand	
3.	13 - 21	8	Clay kankar	
4.	21 - 25	4	Fine sand	
5.	25 - 30	5	Clay kankar	
6.	30 - 38	8	Fine to medium sand	
7.	38 - 43	5	Clay kankar	Saline
8.	43 - 48	5	Fine to Medium sand	
9.	48 - 55	7	Clay kankar	Saline
10.	55 - 58	3	Fine sand	
11.	58 - 64	6	Clay kankar	Saline
12.	64 - 75	11	Sand & kankar	
13.	75 - 85	10	Clay kankar	Saline
14.	85 - 91	6	Fine sand	
15.	91 - 95	4	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 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.



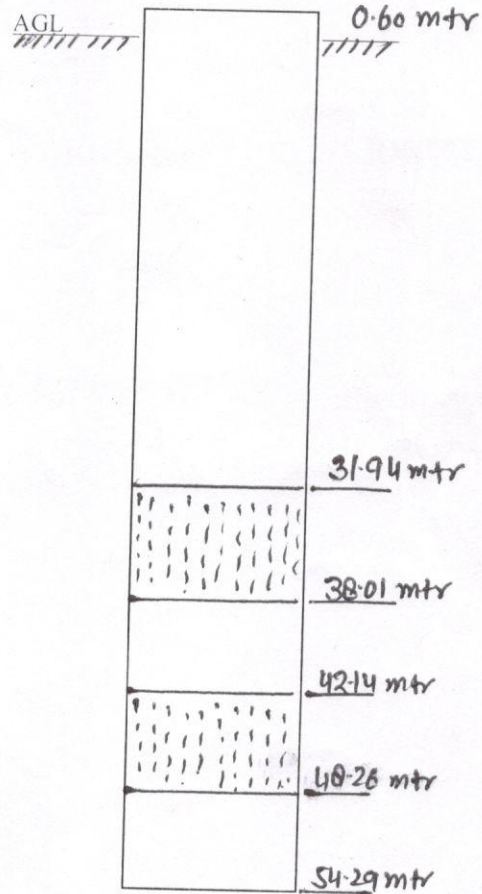


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Baman 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: 27.12.2023  
Drilling Completion Date: 27.12.2023 Logging By: Ground Water Survey Consultancy  
Size of Assembly: 200x200 mm Static Water Level: 28.05 mtr

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-13 mtr	Dry sand
13-21 mtr	Clay Kankar
21-25 mtr	Fine sand
25-30 mtr	Clay Kankar
30-38 mtr	Fine to medium sand
38-43 mtr	Clay Kankar
43-48 mtr	Fine to medium sand
48-55 mtr	Clay Kankar
55-58 mtr	Fine sand
58-64 mtr	Clay Kankar
64-75 mtr	Sand & Kankar
75-85 mtr	Clay Kankar
85-91 mtr	Fine sand
91-95 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m ( TDS)  
m ( TDS)

Prepared By

Contractor

Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer