

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- B- 1802

Date:- 24-09-2023

NAME OF SITE

GRAM PANCHAYAT- Baman

BLOCK- Khandauli

DISTT- Agra

NAME OF AGENCY

M/s Shishupal Singh Parihar
Agra



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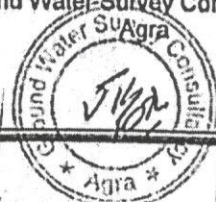
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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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 108 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 24.Sep.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 = 7.90 Ohms.

Drilling Water Resistivity = 8.80 Ohms.

Approx Water Level = 30 Mtr.

| | Depth range(m) | Thickness(m) | Lithology | Expected Water Quality |
|----|----------------|--------------|---------------------|------------------------|
| 1. | 0 - 5 | 5 | Surface soil | |
| 2. | 5 - 30 | 25 | Dry sand | |
| 3. | 30 - 45 | 15 | Clay kankar | |
| 4. | 45 - 73 | 28 | Fine to medium sand | Saline |
| 5. | 73 - 86 | 13 | Clay kankar | |
| 6. | 86 - 95 | 9 | Fine sand | Saline |
| 7. | 95 - 108 | 13 | Clay kankar | |



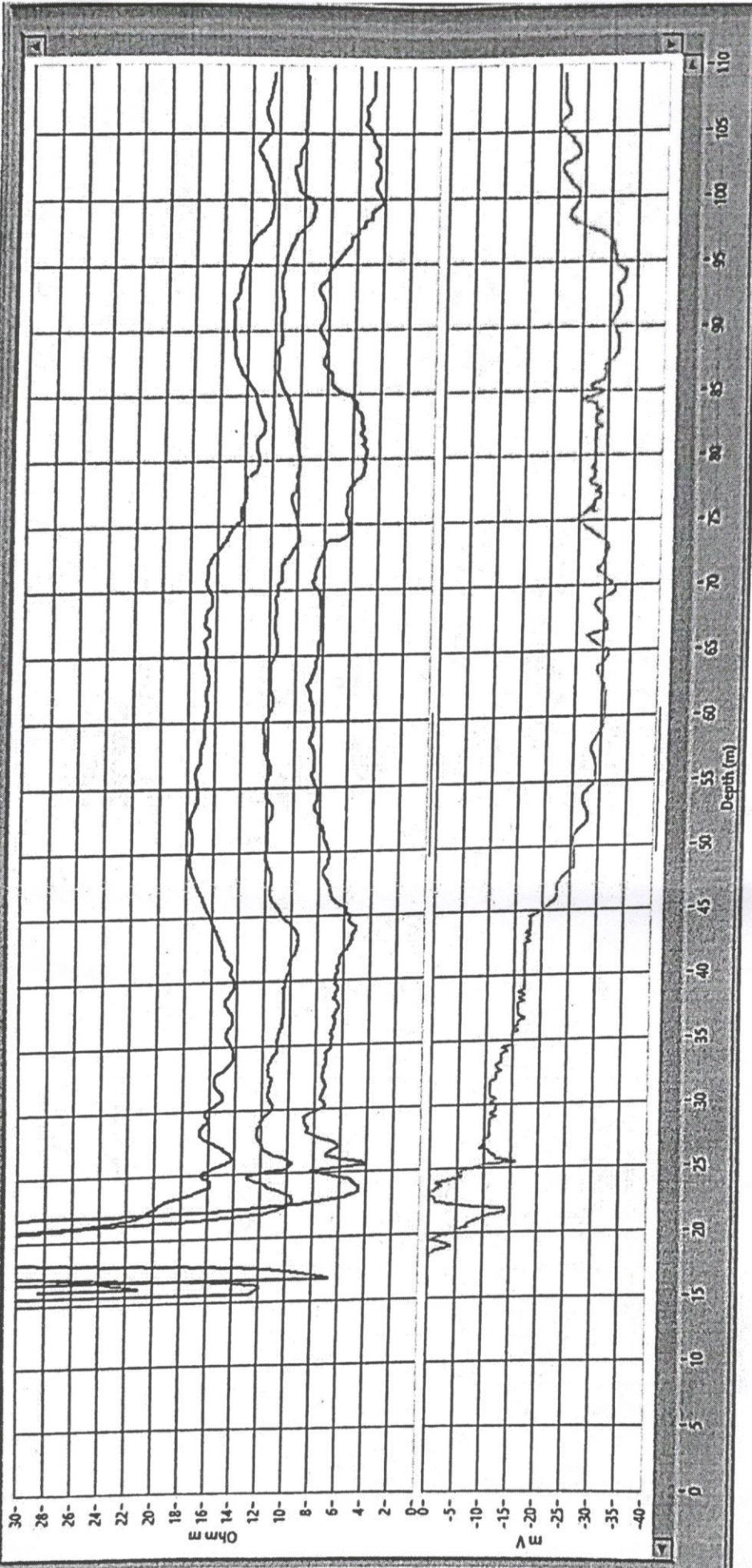
Conclusions and Recommendations :-

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 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.

Geophysicist



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Rho a
 NT16 (CNC)
 N6-(LN)
 LAT

Logging Details:
 Logging of water bore
 installed at depth
 UP LOGNO: 24388 2023
 11.50
 (Kashipur, Varanasi)

Logger SI No:
 JG/S/01/10-11

SP (mV)
 Logger Model:
 DMPL-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

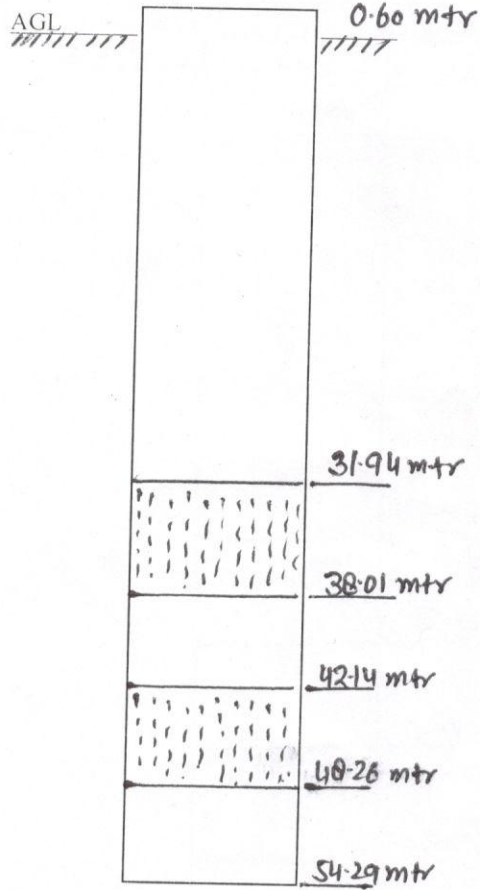


ACTUAL TUBEWELL ASSEMBLY

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

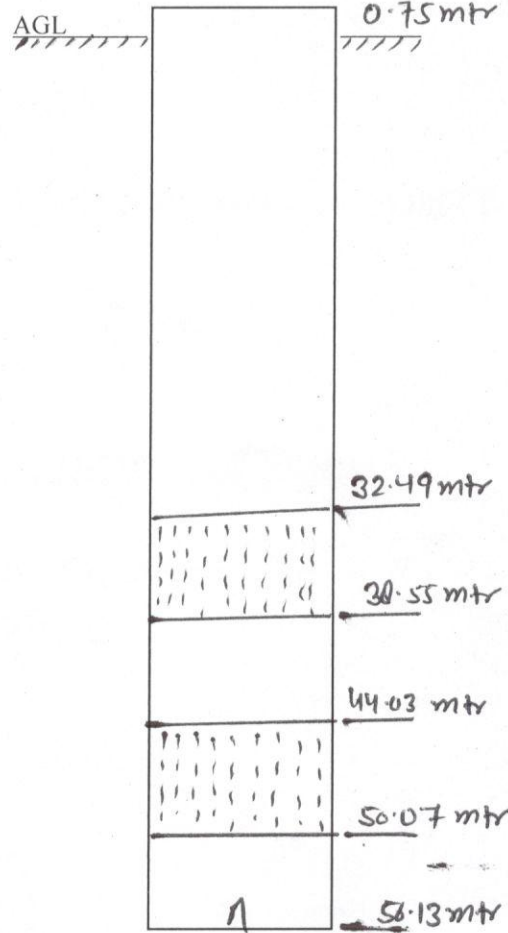

Executive Engineer

ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Baman TW No. 1 Block: Khandauli Tehsil: Etmadpur
District: Agra C.B. No. 01/SE/2023-24
Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 10.12.2023
Drilling Completion Date: 09.12.2023 Logging By: Ground Water Survey Consultancy
Size of Assembly: 200x200 mm Static Water Level: 27.00 m

1. Strata as per Drilling/Logging:-

| | |
|-----------|---------------------|
| 0-5 mtr | Surface soil |
| 5-20 mtr | Dry sand |
| 20-25 mtr | Fine sand |
| 25-30 mtr | Clay Kankar |
| 30-38 mtr | Fine to medium sand |
| 38-45 mtr | Clay Kankar |
| 45-50 mtr | Fine sand |
| 50-55 mtr | Clay Kankar |
| 55-60 mtr | Fine sand |
| 60-65 mtr | Clay Kankar |
| 65-75 mtr | Sand & Kankar |
| 75-94 mtr | Clay Kankar |



2. Strata quality as per Zone Testing-

| | | | |
|---|-------|-------|------|
| m | 27-46 | (1020 | TDS) |
| m | 55-64 | (1208 | TDS) |
| m | 70-85 | (1270 | TDS) |



Prepared By

Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer