

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- B- 2375

Date:- 17-11-2023

NAME OF SITE

GRAM PANCHAYAT- Sorai

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- SORAI, 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 17.Nov.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 = 09.55 Ohms.

Drilling Water Resistivity = 10.93 Ohms.

Approx Water Level = 30 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 30	25	Dry sand	
3.	30 - 38	8	Clay kankar	
4.	38 - 41	3	Fine sand	
5.	41 - 48	7	Clay kankar	
6.	48 - 72*	24	Fine to Med sand & kan	Med to Marginally
7.	72 - 84	12	Clay kankar	
8.	84 - 90	6	Fine sand	Saline
9.	90 - 95	5	Clay kankar	

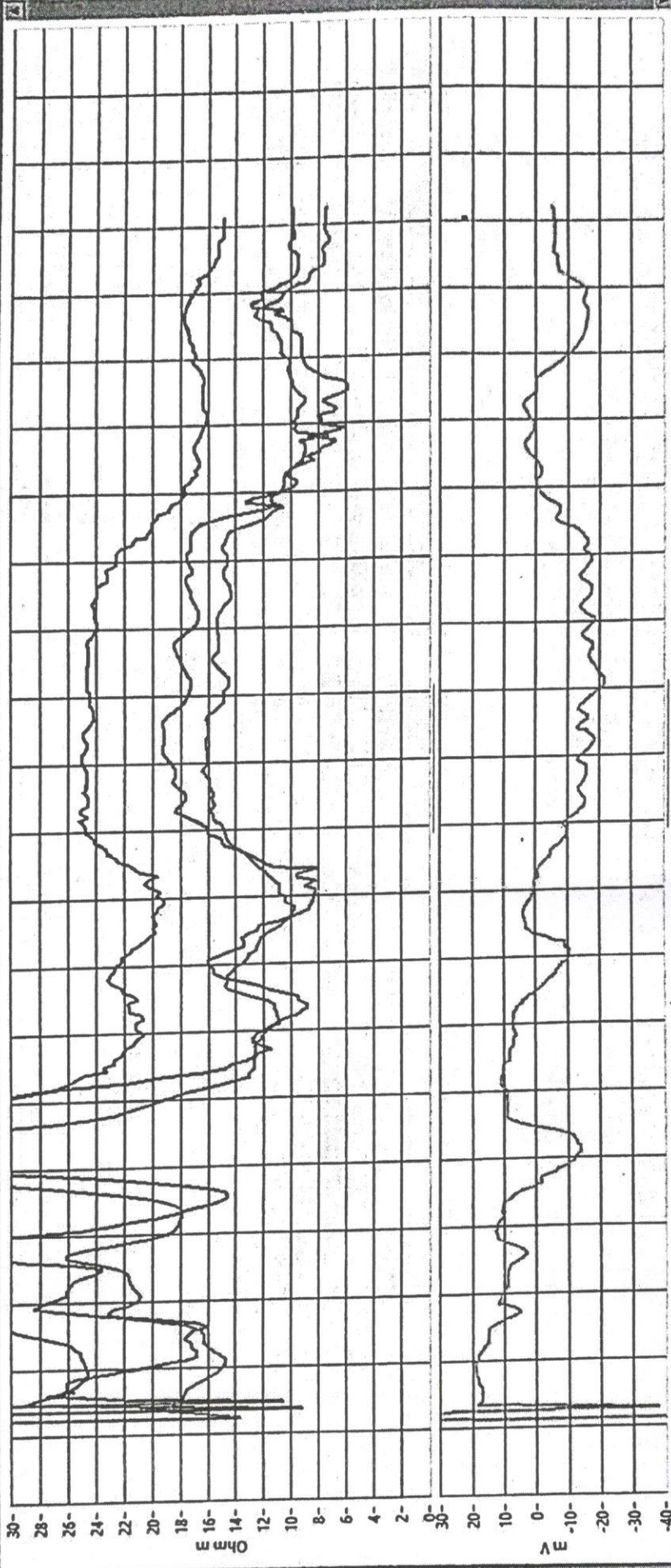
Conclusions and Recommendations :-

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 Medium to Marginally 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



Depth (m)

Rho a
 N16 (SN)
 N64 (LN)
 LAT
 Logging Details:
 Location: Logging V area, Block extension 6111279
 Log No.:
 Log LOGGING
 Date: 17 Nov 2003
 Time: 13.14
 Operator: V.K. Agarwal
 Well Depth:
 Logger SI No.: IGS/S/01/10-11
 SP (m V)
 Logger Model: DMPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

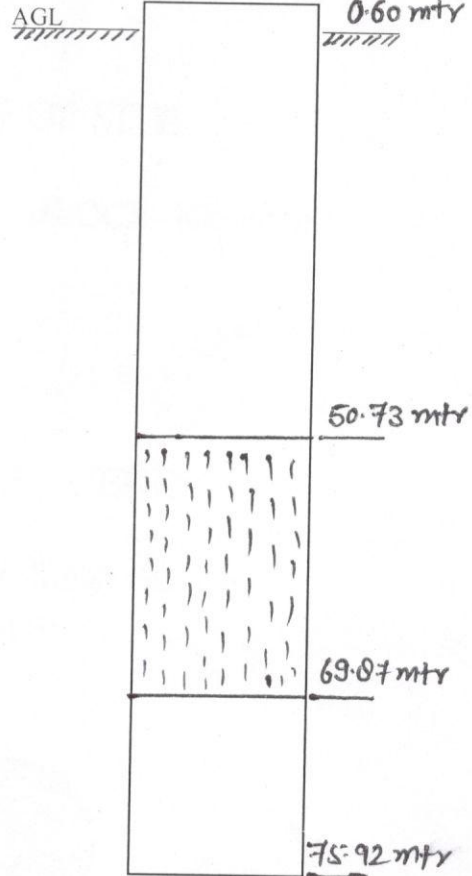


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Sorai Rebores 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: 17.11.2023
Drilling Completion Date: 16.11.2023 Logging By: Ground Water Survey Consultancy
Size of Assembly: 200x200 mm Static Water Level: 45.75 mtr

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-30 mtr	Dry sand
30-38 mtr	Clay Kankar
38-41 mtr	Fine sand
41-48 mtr	Clay Kankar
48-72 mtr	Fine to medium sand & Kankar
72-84 mtr	Clay Kankar
84-90 mtr	Fine sand
90-95 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	34-46	(1127	TDS)
m	55-73	(1192	TDS)



Prepared By

[Signature]
Junior Engineer

Recommended By

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Assistant Engineer

Approved By

[Signature]
Executive Engineer