

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:- B- 1108

Date:- 25-06-2023

NAME OF SITE

GRAM PANCHAYAT- Chirhault BLOCK- Etmadpur DISTT- Agra

NAME OF AGENCY

M/s Shishupal Singh Parihar
Agra



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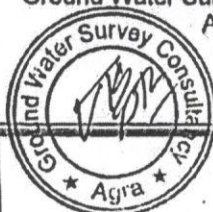
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHIRHAULI, 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 in the above bore hole using IGIS Well Logger on 25.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:-

	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 35	30	Dry sand & kankar	
3.	35 - 40	5	Clay kankar	
4.	40 - 45	5	Fine sand	
5.	45 - 50	5	Clay kankar	
6.	50 - 56*	6	Fine to med sand	Medium
7.	56 - 65	9	Clay kankar	
8.	65 - 68	3	Sand & kankar	Medium
9.	68 - 80	12	Clay kankar	
10.	80 - 92*	12	Fine to med sand	Medium
11.	92 - 105	13	Clay kankar	

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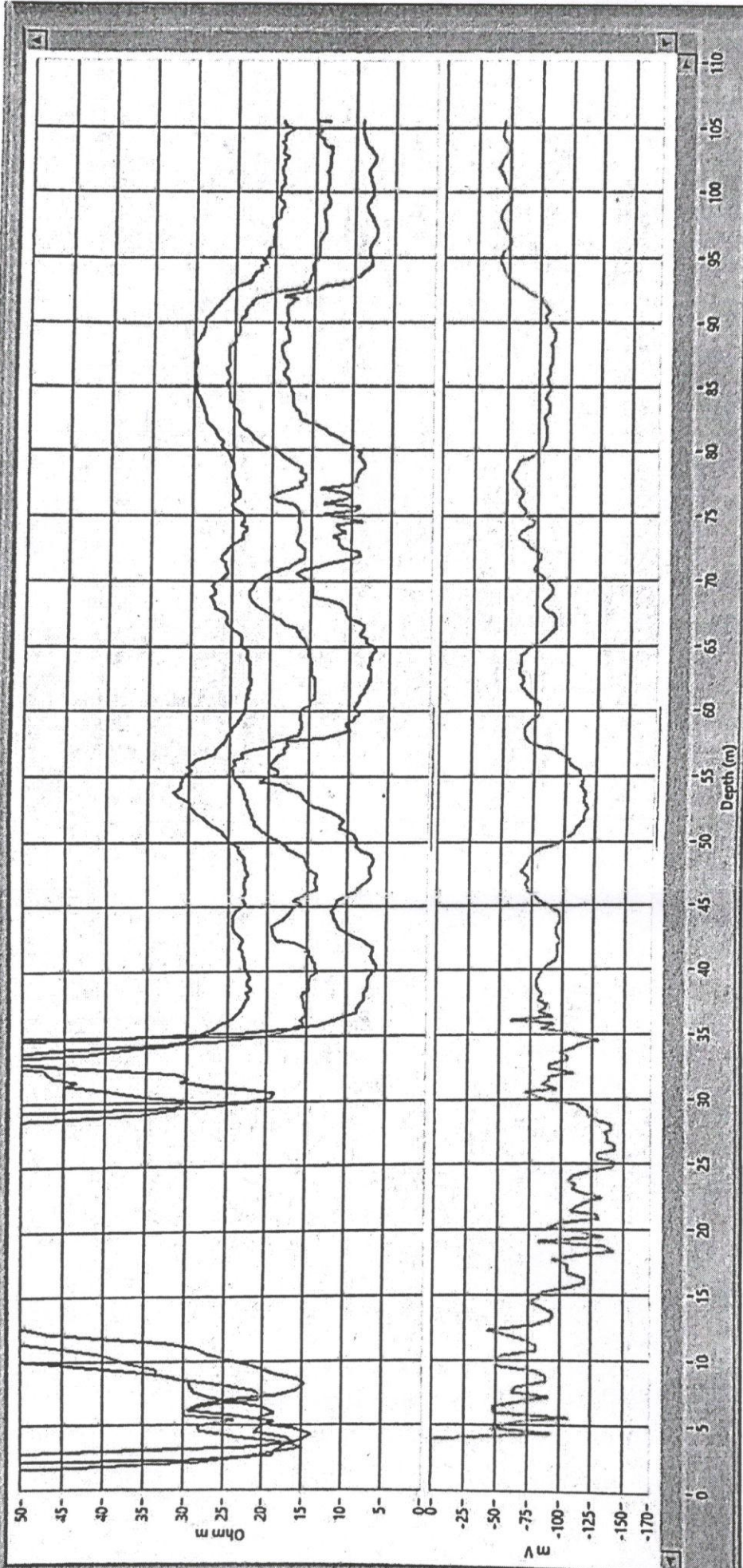
Conclusions and Recommendations :-

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.
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
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Logging of chemical block
 at 100m depth
 DOWN LOGGING
 25 JUN 2023
 19:10
 (North gate / 1st fl)

Logger S/N No:
 IGIS/S01/10-11

SP (mV)
 Logger Model:
 DMPL-2
 Logger Owned by:

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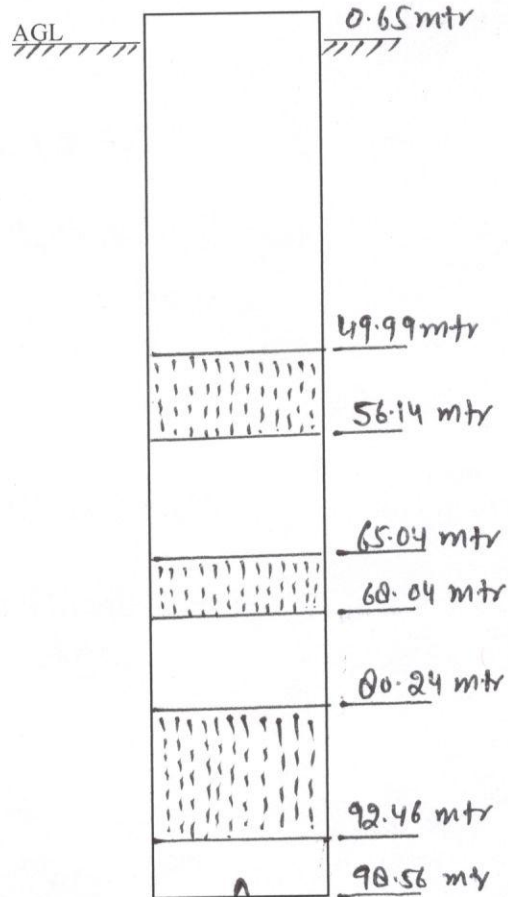


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Chirhauri Rebore TW Block: Etmadpur Tehsil: Etmadpur
 District: Agra C.B. No. 01/SE/2023-24
 Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 25.06.2023
 Drilling Completion Date: 24.06.2023 Logging By: Ground Water Survey Consultancy
 Size of Assembly: 200x200 mm Static Water Level: 50.5 m

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-35 mtr	Dry sand & Kankar
35-40 mtr	Clay Kankar
40-45 mtr	Fine sand
45-50 mtr	Clay Kankar
50-56 mtr	Fine to medium sand
56-65 mtr	Clay Kankar
65-68 mtr	Sand & Kankar
68-80 mtr	Clay Kankar
80-92 mtr	Fine to medium sand
92-105 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	52-61	(581	TDS)
m	70-79	(622	TDS)
m	88-100	(584	TDS)

Prepared By

[Signature]
 Junior Engineer

Recommended By

[Signature]
 Assistant Engineer

Approved By

[Signature]
 Executive Engineer

