

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:- B- 1382

Date:- 30-07-2023

NAME OF SITE

GRAM PANCHAYAT- Saray Darupa 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.

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

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

ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SARAY DARUPA, BLOCK- KHANDAULI, DISTT- AGRA

Introduction :

A Deep bore hole was drilled 103 mtrs. depth. and Logged depth 100 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 30.July.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

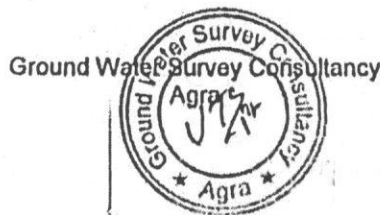
Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 7.30 Ohms.

Drilling Water Resistivity = 8.60 Ohms.

Approx Water Level = 21 Mtr.

	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Clay kankar	
3.	15 - 18	3	Fine sand	
4.	18 - 22	4	Clay kankar	
5.	22 - 35	13	Fine to medium sand	Marginally Saline
6.	35 - 47	12	Clay kankar	
7.	47 - 56	9	Sand & kankar	Saline
8.	56 - 62	6	Clay kankar	
9.	62 - 75	13	Fine to medium sand	Saline
10.	75 - 100	25	Clay kankar	



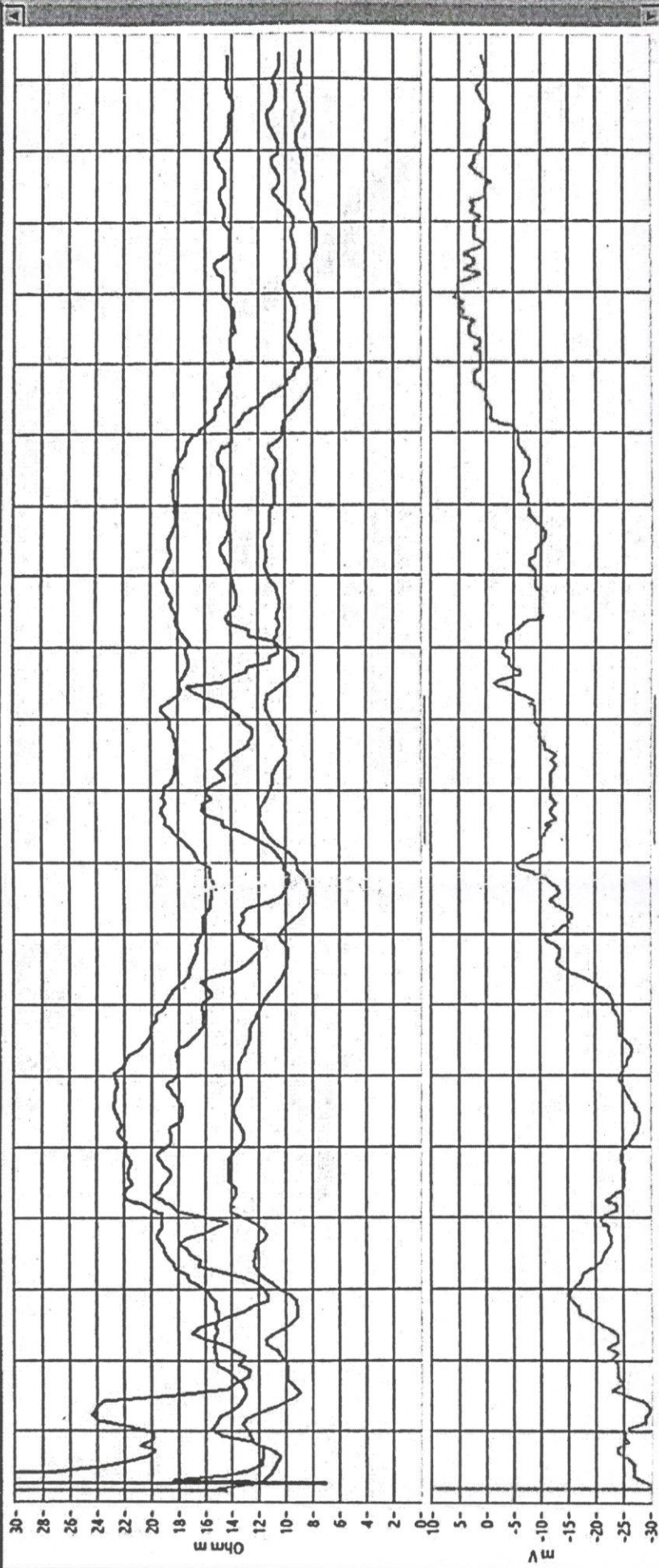
Conclusions and Recommendations :-

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 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)
 NS4(LN)
 LAT

Logging Details:

Vib. Survey, Central Block
 Changan, Dutt-Ayaz
 US 10553NG-05
 30 Jul 2023
 TC 53
 Unearth-Geotech (SC)

Logger S No:

IGIS/5/04/21-22

SP (m V)

Logger Model:

DMPPL-2

Logger Owned by:

GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

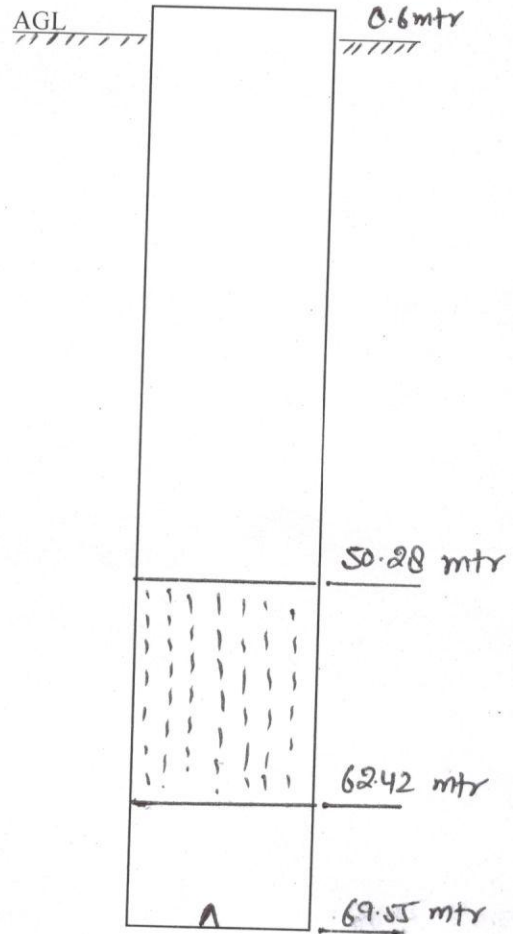


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Sarai Da Rupa Rebore TW Block: Khandauli Tehsil: Etmadpur
District: Agra C.B. No. 01/SE/2023-24
Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 03.10.2023
Drilling Completion Date: 02.10.2023 Logging By: Ground Water Survey Consultancy
Size of Assembly: 200x200 mm Static Water Level: 39.0 m

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-23 mtr	Dry sand
23-27 mtr	Clay Kankar
27-30 mtr	Fine sand
30-40 mtr	Clay Kankar
40-45 mtr	Fine sand
45-48 mtr	Clay Kankar
48-67 mtr	Fine to medium sand
67-78 mtr	Clay Kankar
78-85 mtr	Fine Sand
85-108. mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	27-43	(1404 TDS)
m	52-70	(633 TDS)
m	73-85	(1110 TDS)



Prepared By

[Signature]
Junior Engineer

Recommended By

[Signature]
Assistant Engineer

Approved By

[Signature]
Executive Engineer