

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- B- 1789

Date:- 22-09-2023

NAME OF SITE

GRAM PANCHAYAT- Gijauli Must

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- GHJALI MUST, BLOCK- KHANDAULI, DISTT- AGRA

Introduction.

A Deep bore hole was drilled 110 mtrs. depth, and Logged depth 107 mtrs. at above site. Was drilled by M/s BHISHUPAL BINGH PARIHAR AGRA On the request of M/s. BHISHUPAL BINGH PARIHAR AGRA a Geophysical well Logging in the above bore hole using ICI Well Logger on 22.Sep.2023.

Logging Para meters - Self potential, short normal (N-10), 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 = 0.80 Ohms.

Drilling Water Resistivity = 7.50 Ohms.

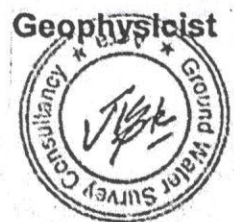
Approx Water Level = 9 Mtr.

	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 9	4	Dry sand	
3.	9 - 14	5	Clay kankar	
4.	14 - 18	4	Fine sand	Marginally Saline
5.	18 - 34	16	Clay kankar	
6.	34 - 40	6	Fine to medium sand	Saline
7.	40 - 48	8	Clay kankar	
8.	48 - 57	9	Fine to medium sand	Saline
9.	57 - 69	12	Clay kankar	
10.	69 - 76	7	Sand & kankar	Saline
11.	76 - 90	14	Clay kankar	
12.	90 - 96	6	Kankar & sand	
13.	96 - 107	11	Clay kankar	

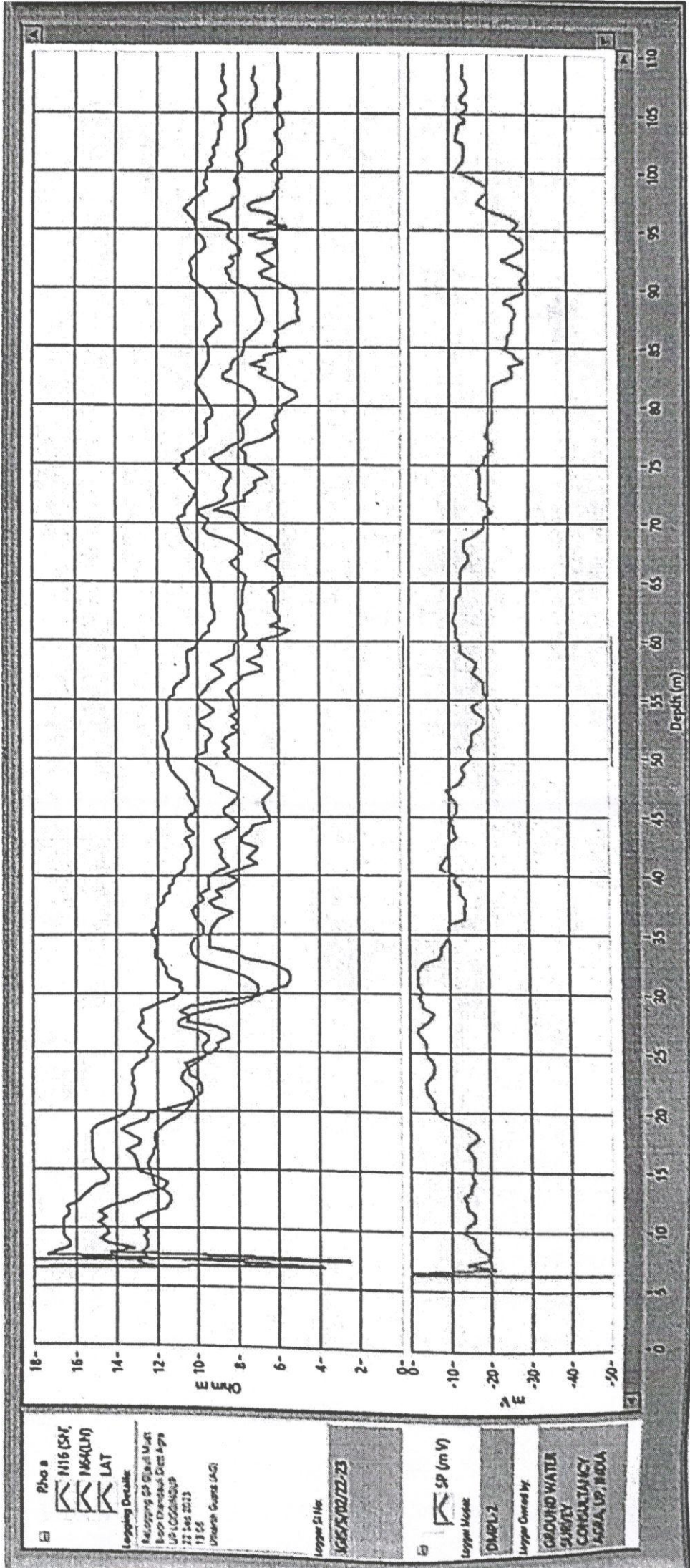


Conclusions and Recommendations :-

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.



Ground Water Survey Consultancy



① **Phi's**
 N16 (SH)
 N64 (LN)
 LAT
 Logging Details
 Re-logging of Old Mark
 Bore Diameter: 50mm
 US: 1000/1000
 22 545 2523
 13 05
 Umarah Ganga (AG)

Logpen 21 No.
 1005/102/22-23

② **SP (mV)**
 Logpen No: 1005/102/22-23
 Logpen Control by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

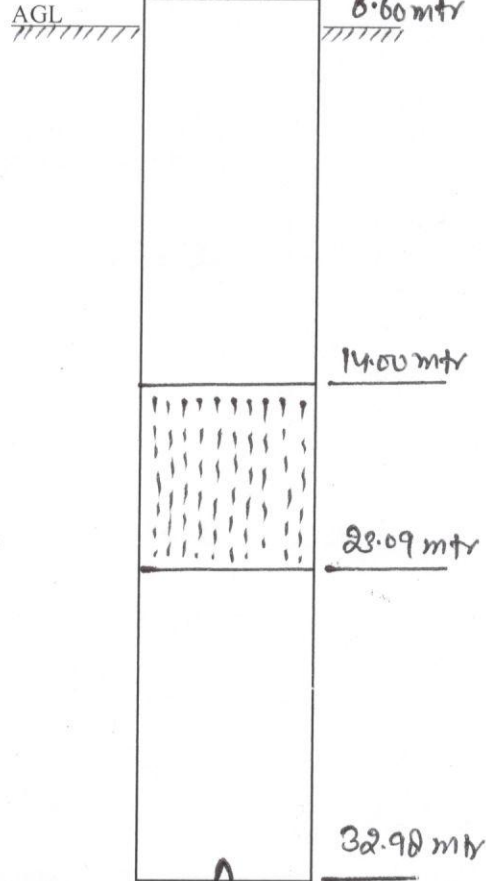


ACTUAL TUBEWELL ASSEMBLY

Name of Scheme: Gijauli Rebores TW No. 1 Block: Etmadpur Tehsil: Etmadpur
District: Agra C.B. No. 01/SE/2023-24
Name of Contractor: M/s Shishupal Singh Parihar Logging Date: 22.09.2023
Drilling Completion Date: 22.09.2023 Logging By: Ground Water Survey Consultancy
Size of Assembly: 200x200 mm Static Water Level: 9.15 m

1. Strata as per Drilling/Logging:-

0-5 mtr	Surface soil
5-9 mtr	Dry sand
9-14 mtr	Clay Kankar
14-18 mtr	Fine sand
18-34 mtr	Clay Kankar
34-40 mtr	Fine to medium sand
40-48 mtr	Clay Kankar
48-57 mtr	Fine to medium sand
57-69 mtr	Clay Kankar
69-76 mtr	Sand & Kankar
76-90 mtr	Clay Kankar
90-96 mtr	Kankar & sand
96-107 mtr	Clay Kankar



2. Strata quality as per Zone Testing-

m	12-24	(1520 TDS)
m	46-55	(2040 TDS)
m	58-70	(876 TDS)

Prepared By



Junior Engineer

Recommended By

Assistant Engineer

Approved By

Executive Engineer