

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1831

Date:-10-10-2023

NAME OF SITE

AT SITE- Kadarbari

BLOCK- Soron

DISTT- Kasganj

NAME OF AGENCY

Tubewell Construction Division
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



REPORT ON GEOPHYSICAL WELL LOGGING AT

AT SITE- KADARBARI, BLOCK- SORON, DISTT- KASGANJ

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. On the request of AE IInd Tubewell Construction Division. Agra.

a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.Oct.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay kankar	
3.	7 - 12	5	Fine to Medium sand	Medium
4.	12 - 22	10	Clay kankar	
5.	22 - 27	5	Medium sand	Medium
6.	27 - 40	13	Clay kankar	
7.	40 - 55*	15	Medium sand	Medium
8.	55 - 58	3	Clay kankar	
9.	58 - 64*	6	Medium sand	Medium
10.	64 - 70	6	Clay kankar	
11.	70 - 73*	3	Medium sand	Medium
12.	73 - 78	5	Clay kankar	
13.	78 - 81	3	Fine sand	Medium
14.	81 - 87	6	Clay kankar	
15.	87 - 96*	9	Medium sand	Medium
16.	96 - 100	4	Clay kankar	

Ground Water Survey Consultancy



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



Ground Water Survey Consultancy

Rhos a
 NI6 (SN)
 NS6(LN)
 LAT

Logging Details
 Logger Model: NI6
 Report Date: 20/08/2022
 Down Log: NS6(LN)
 Up Log: NI6
 Start Date: 20/08/2022

Logger S No: IGIS/SD/21-22

Logger Model: DMP.L-2
 Logger Overhead by:

GROUND WATER SURVEY CONSULTANCY
 - AGRA INDIA

