

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2127

Date:- 05-11-2023

NAME OF SITE

GRAM PANCHAYAT- Awana Aalampur
DISTT- Kaushambi

BLOCK- Kaushambi

NAME OF AGENCY

M/s Kalpataru Project International Pvt. Ltd.
Kaushambi



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- AWANA AALAMPUR, BLOCK- KAUSHAMBI, DISTT- KAUSHAMBI UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 112 mtrs. at above site. Was drilled by M/s Kalpataru Project International, Kaushambi.

On the request of M/s Kalpataru Projcet International, Kaushambi. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.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:-

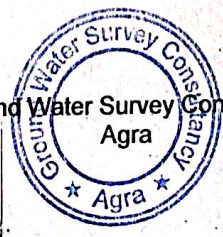
Mud Resistivity = 06.79 Ohms.

Drilling Water Resistivity = 7.32 Ohms.

Approx Water Level = 24 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 60	55	Clay kankar	
3.	60 - 75*	15	Medium sand	Good
4.	75 - 80	5	Clay kankar	
5.	80 - 84*	4	Fine to medium sand	Good
6.	84 - 96	12	Clay kankar	
7.	96 - 100	4	Fine sand	Good
8.	100 - 112	12	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 Good.
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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