

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-2068

Date:- 31-10-2023

NAME OF SITE

GRAM PANCHAYAT- Atarsuiya

BLOCK- Bara

DISTT- 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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Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ATARSUIYA, BLOCK- BARA, DISTT- KAUSHAMBI
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 97 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 31.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:-

Mud Resistivity = 10.30 Ohms.

Drilling Water Resistivity = 09.65 Ohms.

Approx Water Level = 30 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 39	34	Clay kankar	
3.	39 - 42	3	Sandy clay	
4.	42 - 60	18	Clay kankar	
5.	60 - 77	17	Medium sand	Good
6.	77 - 97	20	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 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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