

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

B-686
Ref No:- P- 530

Date:- 29-05-2023

NAME OF SITE

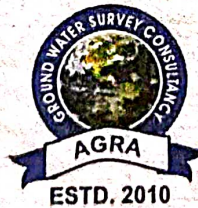
GRAM PANCHAYAT- Balipur

BLOCK- Iglas

DISTT- Aligarh

NAME OF AGENCY

M/s Kalpataru Power Transmission Limited
Aligarh



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- BALIPUR, BLOCK- IGLAS, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 100 mtrs. depth. and Logged depth 100 mtrs. at above site. Was drilled by M/S Kalpataru Power Transmission limited, Aligarh.

On the request of M/S Kalpataru Power Transmission limited, Aligarh. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 29.May.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:-

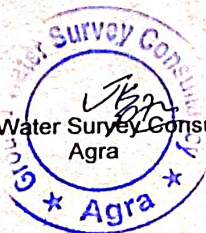
Mud Resistivity = 13.24 Ohms.

Drilling Water Resistivity = 14.61 Ohms.

Approx Water Level = 12 Mtr.

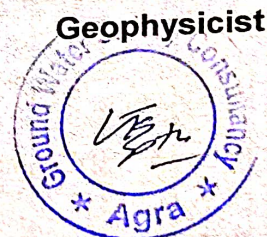
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Fine sand	
3.	15 - 20	5	Clay kankar	
4.	20 - 40*	20	Medium sand	Medium
5.	40 - 45	5	Clay kankar	
6.	45 - 57	12	Sand & kankar	Marginally saline
7.	57 - 68	11	Clay kankar	
8.	68 - 86	18	Sand & kankar	Marginally saline
9.	86 - 100	14	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 tubewell.
3. The Quality of water is expected Medium to 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.



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logging w/ bailbur
black glass distt
alignah
LOGGINGup
25 May 2023
09.44
utkarsh

Rho a
N16 (SN)
N64(LN)
LAT

SP (mV)

