

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

B-1039
Ref No:-P- 790

Date:- 21-06-2023

NAME OF SITE

GRAM PANCHAYAT- Tocchigarh C-3 BLOCK- Iglas DISTT- Aligarh

NAME OF AGENCY

M/s 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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TOCCHIGARH C-3, 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 21. Jun. 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 = 10.26 Ohms.

Drilling Water Resistivity = 11.76 Ohms.

Approx Water Level = 12 Mtr.

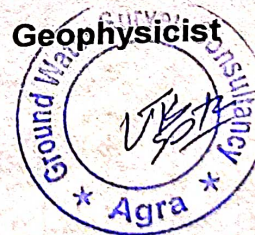
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 27	17	Medium sand	Med to Marginally
4.	27 - 33	6	Clay kankar	
5.	33 - 37*	4	Fine to Medium sand	Med to Marginally
6.	37 - 42	5	Clay kankar	
7.	42 - 52	10	Sand & kankar	Saline
8.	52 - 60	8	Clay kankar	
9.	60 - 67	7	Fine sand	Saline
10.	67 - 74	7	Clay kankar	
11.	74 - 78	4	Kankar	
12.	78 - 82	4	Clay kankar	
13.	82 - 86	4	Fine sand	Saline
14.	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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Rho a
 N16 (SNF)
 N64(LN)
 LAT

Logging Details
 Log No: 101
 Date: 21/10/2011
 Time: 12:00
 Location: GATEWAY
 Project: GATEWAY
 Client: GATEWAY

Logger S. No. IG/S/01/10-11

Logger Model: DMPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

