

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

B-297

Ref No:-P- 267

Date:- 01-05-2023

NAME OF SITE

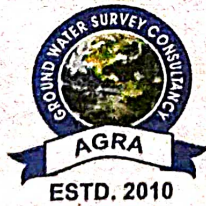
GRAM PANCHAYAT- Ismailpur Porani
Aligarh

BLOCK- Gangiri

DISTT-

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ISMAILPUR PORANI, BLOCK- GANGIRI, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 125 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 in the above bore hole using IGIS Well Logger on 01.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:-

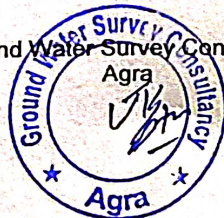
Mud Resistivity = 14.80 Ohms.

Drilling Water Resistivity = 16.15 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 - 13	8	Clay kankar	
3.	13 - 16	3	Fine sand	
4.	16 - 25	9	Clay kankar	
5.	25 - 30	5	Fine sand	Medium
6.	30 - 45	15	Clay kankar	
7.	45 - 50	5	Fine to medium sand	Medium
8.	50 - 56	6	Clay kankar	
9.	56 - 65*	9	Medium sand	Medium
10.	65 - 70	5	Clay kankar	
11.	70 - 80*	10	Medium sand	Medium
12.	80 - 85	5	Clay kankar	
13.	85 - 94*	9	Medium sand	Medium
14.	94 - 105	11	Clay kankar	
15.	105 - 115*	10	Medium sand	Medium
16.	115 - 125	10	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 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.



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Rho a
 NI6 (SN)
 ME4(LN)
 LAT
 Logging Details:
 Log No. 10
 Date of Logging: 01 May 2013
 Log No. 2218
 Log No. 2218
 Log No. 2218

Logger S No: IGS/S/01/70-11

Logger Model: SP (m V)
 DMP-2
 Logger Owned by:
 GROUND WATER SURVEY CONSULTANCY - AGRA INDIA

