

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-P- 560
B-729

Date:- 01-06-2023

NAME OF SITE

GRAM PANCHAYAT- Baharpur

BLOCK- Chandaus

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.
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

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Ground Water Survey Consultancy
Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BAHARPUR, BLOCK- CHANDAU, DISTT- ALIGARH
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 125 mtrs. depth. and Logged depth 116 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.June.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 = 16.40 Ohms.

Drilling Water Resistivity = 17.23 Ohms.

Approx Water Level = 15 Mtr.

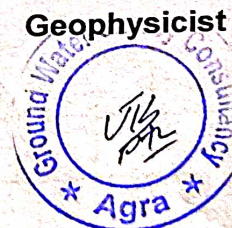
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 15	10	Dry sand	
3.	15 - 18	3	Fine sand	
4.	18 - 24	6	Clay kankar	
5.	24 - 45*	21	Medium sand	Medium
6.	45 - 55	10	Clay kankar	
7.	55 - 60*	5	Fine to Medium sand	Medium
8.	60 - 65	5	Clay kankar	
9.	65 - 70*	5	Fine to Medium sand	Medium
10.	70 - 85	15	Clay kankar	
11.	85 - 91	6	Sand & kankar	Medium
12.	91 - 101	10	Clay kankar	
13.	101 - 114*	13	Medium sand & kankar	Medium
14.	114 - 116	2	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
 N16 (SN)
 N64(LN)
 LAT
 Logging of Bahapur
 block Chandaus distt
 allgadh
 LOGG116
 01 Jun 2023
 14:58
 utkarsih

SP (mV)

