

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-B -317

Date:-05-09-2024

NAME OF SITE

GRAM PANCHAYAT- Chandapa BLOCK- Mursan DISTT- Hathras

NAME OF AGENCY

M/s Braj Gopal Construction
Hathras



GROUND WATER SURVEY CONSULTANCY

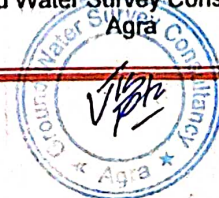
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- CHANDAPA, BLOCK- MURSAN, DISTT- HATHRAS
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 117 mtrs. at above site. Was drilled by M/s Braj Gopal Construction, Hathras.

On the request of M/s Braj Gopal Construction, Hathras. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 05.Sep.2024.

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 = 12.74 Ohms.

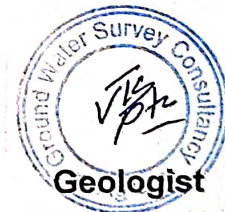
Drilling Water Resistivity = 13.41 Ohms.

Approx Water Level = 18 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 30	25	Dry sand	
3.	30 - 45	15	Clay kankar	
4.	45 - 50	5	Fine sand	Med to Marginally
5.	50 - 56	6	Clay kankar	
6.	56 - 65*	9	Fine to Medium sand	Med to Marginally
7.	65 - 71	6	Clay kankar	
8.	71 - 81*	10	Fine to Medium sand & kan	Med to Marginally
9.	81 - 106	25	Clay kankar	
10.	106 - 115	9	Sand & kankar	Marginally saline
11.	115 - 117	2	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 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.



Rho a
 M16 (SN)
 N64 (LN)
 LAT
 Logging Details:
 Logging Company: GROUND WATER SURVEY CONSULTANCY Agra, UP, India
 Project No: GWS/01/21-22
 Date: 19/12/2021
 Location: Agra, UP, India
 Logger S/N: IGIS/S/01/21-22
 Logger Model: DHPL-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY Agra, UP, India

