

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-1735

Date:- 30-09-2023

NAME OF SITE

GRAM PANCHAYAT- Alehadadpur Dhowai BLOCK- Dahagawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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

ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ALEHADADPUR DHOWAI, BLOCK- DAHAGAWAN,
DISTT- BADAUN

UNDER JAL JIVAN MISSION

Introduction :

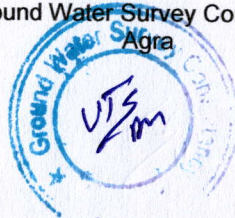
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 30.Sep.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:-

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 - 16	6	Fine sand	
4.	16 - 20	4	Clay kankar	
5.	20 - 32	12	Medium sand	Medium
6.	32 - 40	8	Clay kankar	
7.	40 - 66*	26	Medium sand	Medium
8.	66 - 75	9	Clay kankar	
9.	75 - 90*	15	Fine to Medium sand	Medium
10.	90 - 100	10	Clay kankar	
11.	100 - 118*	18	Fine to Medium sand	Medium
12.	118 - 130	12	Clay kankar	

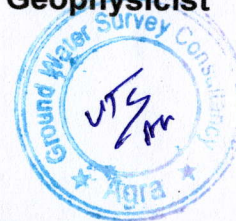
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Conclusions and Recommendations :-

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.
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.

Geophysicist



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Rhin a
 N16 (SN)
 N64(LN)
 LAT

Logging Details:
 Logging Co: Alankar
 Dhone Block, Srisaibani
 Dist: Bhuban
 UP: COGGINJIP
 30 Sep 2023
 12:16
 Urnabh Gupta (AG)

Logger: S/ Nec
 IGS/S/02/22-23

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

