

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B-1835

Date:- 27-09-2023

NAME OF SITE

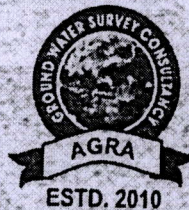
GRAM PANCHAYAT- Machlai

BOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

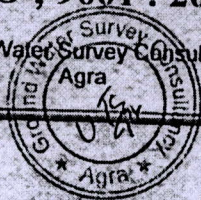
M/s PNC-SPML-JV
Badaun



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- MACHLAI, BLOCK- JAGAT, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

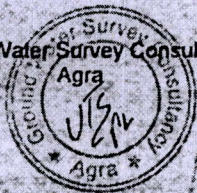
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 126 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 27.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:-

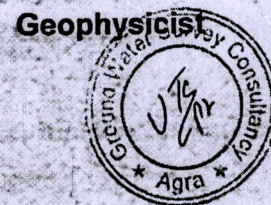
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 25	7	Clay kankar	
4.	25 - 31	6	Fine sand	
5.	31 - 41	10	Clay kankar	
6.	41 - 60*	19	Medium sand	Med to Good
7.	60 - 68	8	Clay kankar	
8.	68 - 95*	27	Medium sand & kankar	Med to Good
9.	95 - 100	5	Clay kankar	
10.	100 - 104*	4	Fine to Medium sand	Med to Good
11.	104 - 111	7	Clay kankar	
12.	111 - 120*	9	Fine to Medium sand	Med to Good
13.	120 - 126	6	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 Good.
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 s
 NI6 (SN)
 NS4(LN)
 LAT
 Logging Details
 Logging v. pack a box
 Project Name
 17 Locations
 11.25
 Meter from top of
 Logger Site
 LOGS/01/10-11
 Logger Model
 SP (m V)
 DMP-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA INDIA

