

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-904

Date:- 12-06-2023

### NAME OF SITE

GRAM PANCHAYAT- Prathvipur

BLOCK- Asafpur

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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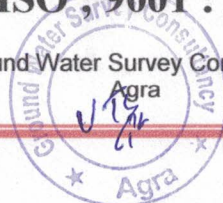
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PRATHVIPUR, BLOCK- ASAFPUR, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

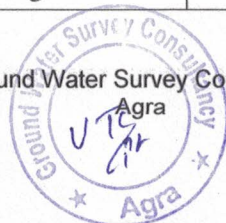
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 12.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:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 25	5	Fine sand	
4.	25 - 30	5	Clay kankar	
5.	30 - 47	17	Medium sand	Good
6.	47 - 53	6	Clay kankar	
7.	53 - 60*	7	Medium sand	Good
8.	60 - 65	5	Clay kankar	
9.	65 - 75*	10	Medium sand	Good
10.	75 - 80	5	Clay kankar	
11.	80 - 105*	25	Medium sand & kankar	Good
12.	105 - 112	7	Clay kankar	
13.	112 - 120*	8	Medium sand	Good
14.	120 - 125	5	Clay kankar	
15.	125 - 135*	10	Fine to Medium sand & kankar	Good
16.	135 - 138	3	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 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.

**Geophysicist**



**Ground Water Survey Consultancy**

Rho a  
 N 16(SN)  
 N 64 (LN)  
 LAT

Location:  
 logging ga pastur/our  
 blockarfour eritt padan  
 Log No.:  
 UP LOGG/150  
 Date:  
 12 Jun 2023  
 Time:  
 21:19  
 Observer:  
 utkarsh gupta (g)  
 Well Depth:

Logger SI No:  
 IGIS/S/02/22-23

Logger Model:  
 SP

DMP1-2

Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, INDIA

