

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1789

Date:- 05-10-2023

NAME OF SITE

GRAM PANCHAYAT- Samspur Ballu

BLOCK- Sahaswan

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- SAMSPUR BALLU, BLOCK- SAHASWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

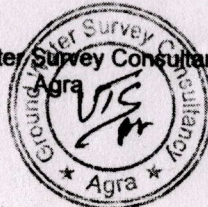
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 05.Oct.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	Dry sand	
3.	10 - 17	7	Fine sand	
4.	17 - 32	15	Clay kankar	
5.	32 - 45	13	Medium sand	Medium
6.	45 - 56	11	Clay kankar	
7.	56 - 65*	9	Medium sand	Medium
8.	65 - 72	7	Clay kankar	
9.	72 - 82*	10	Medium sand	Medium
10.	82 - 90	8	Clay kankar	
11.	90 - 95	5	Fine sand	Medium
12.	95 - 115	20	Clay kankar	
13.	115 - 125*	10	Medium sand	Medium
14.	125 - 140	15	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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Rno a
 N16 (SW)
 N64(LN)
 LAT

Logging Details:
 Logging Co: Sarveer Bahu
 Book: Sarveer Datta
 Author:
 UP LOGGING/UP
 05 Oct 2023
 13:46
 Udhvraj Gupta (AG)

Logger's Name:
 IGIS/SR/22-23

Logger Model:
 DHAPL-2

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

SP (m V)

