

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-1763

Date:- 03-10-2023

NAME OF SITE

GRAM PANCHAYAT- Paalpur

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- PAALPUR, 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 03.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 - 20	15	Clay kankar	
3.	20 - 35	15	Medium sand	Medium
4.	35 - 43	8	Clay kankar	
5.	43 - 55*	12	Medium sand	Medium
6.	55 - 61	6	Clay kankar	
7.	61 - 69*	8	Medium sand	Medium
8.	69 - 82	13	Clay kankar	
9.	82 - 91*	9	Fine to Medium sand	Medium
10.	91 - 95	4	Clay kankar	
11.	95 - 118*	23	Fine to Medium sand	Medium
12.	118 - 130	8	Clay kankar	
13.	130 - 137	7	Fine sand	Marginally saline
14.	137 - 140	3	Clay kankar	

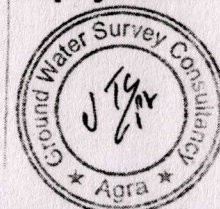
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Conclusions and Recommendations :-

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 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.

Geophysicist



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No. 2
N16 (SN)
N64 (LN)
LAT

Logging Details:
Logging at Raipur Block
Saranam Dist Bihar
UP LOGS/NIGUP
08 Oct 2023
12.54
Uttam Gupta (AG)

Logger: S. K. Mehta
IGIS/S/02/22-23

SP (m V)

Logger Model: DMAPL-2
Logger Owned by:
GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP, INDIA

