

**GROUND WATER SURVEY CONSULTANCY**  
**GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS**

**GEO-PHYSICAL WELL**  
**ELECTROLOGGING REPORT**

Ref No:-A-2577

Date:- 03-02-2024

**NAME OF SITE**

Gram Panchayat-Rasoola      BLOCK - Sahaswan      DISTT - Badam

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badam

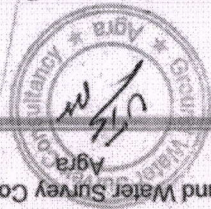


**GROUND WATER SURVEY CONSULTANCY**

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-RASOOLA, BLOCK-SAHASWAN, DISTT-BADAUN

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 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.Feb.2024.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

Details of major equifer 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 - 15	5	Clay kankar	
4.	15 - 28	13	Medium sand	Med to Good
5.	28 - 31	3	Clay kankar	
6.	31 - 34	3	Medium sand	Med to Good
7.	34 - 38	4	Clay kankar	
8.	38 - 42*	4	Medium sand	Med to Good
9.	42 - 55	13	Clay kankar	
10.	55 - 64*	9	Medium sand	Med to Good
11.	64 - 77	13	Clay kankar	
12.	77 - 82*	5	Medium sand	Med to Good
13.	82 - 93	11	Clay kankar	
14.	93 - 101*	9	Fine to Medium sand	Med to Good
15.	101 - 120	19	Clay kankar	

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**Conclusions and Recommendations :-**

1. The Lithology broadly tallies with that of drill cutting starta 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.



**Geologist**



