

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-A-2629

Date:- 20-02-2024

NAME OF SITE

Gram Panchayat- Rukampur Pukhta

BLOCK- Samrer

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- RUKAMPUR PUKHTA, BLOCK- SAMRER, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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 in the above bore hole using IGIS Well Logger on 20.Feb.2024.

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	Clay kankar	
3.	10 - 13	3	Sandy Clay	
4.	13 - 15	2	Clay kankar	
5.	15 - 22	7	Medium sand	Med to Good
6.	22 - 35	13	Clay kankar	
7.	35 - 40	5	Medium sand	Med to Good
8.	40 - 43	3	Clay kankar	
9.	43 - 60*	17	Medium sand	Med to Good
10.	60 - 71	11	Clay kankar	
11.	71 - 83*	12	Medium sand	Med to Good
12.	83 - 85	2	Clay kankar	
13.	85 - 89*	4	Fine to medium sand	Med to Good
14.	89 - 95	6	Clay kankar	
15.	95 - 105*	10	Medium sand	Med to Good
16.	105 - 115	10	Clay kankar	
17.	115 - 125*	10	Fine to medium sand	Med to Good
18.	125 - 130	5	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.

Geologist



RHO 3
 NI 6 (SN)
 NS4(LN)
 LAT
 Logging Details
 Logging Of Subsurface
 P. No. 200/2004
 B. No. 200/2004
 In. Code/Date
 20/06/2004
 15.55
 Instrument Serial No. 100

Logger File:
 IQIS/S/01/21-22

SP (mV)
 Logger Model:
 DMP L 2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

