

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2540

Date:- 20-01-2024

NAME OF SITE

Gram Panchayat- Bhikampur Tappa Jamni 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

Ground Water Survey Consultancy

AGRA

REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BHIKAMPUR TAPPA JAMNI, 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 in the above bore hole using IGIS Well Logger on 20.Jan.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 - 25	20	Clay kankar	
3.	25 - 34	9	Medium sand	Medium
4.	34 - 42	8	Clay kankar	
5.	42 - 45	3	Fine sand	Medium
6.	45 - 47	2	Clay kankar	
7.	47 - 56*	9	Medium sand	Medium
8.	56 - 61	5	Clay kankar	
9.	61 - 70*	9	Medium sand	Medium
10.	70 - 80	10	Clay kankar	
11.	80 - 85*	5	Medium sand	Medium
12.	85 - 91	6	Clay kankar	
13.	91 - 110*	19	Medium sand	Medium
14.	110 - 114	4	Clay kankar	
15.	114 - 117*	3	Fine to Medium sand	Medium
16.	117 - 131	14	Clay kankar	
17.	131 - 134*	3	Medium sand	Medium
18.	134 - 140	6	Sandy clay	

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.

Geologist



Rho a
 NI6 (SN)
 M64(LN)
 LAT
 Logging Details
 Logging Software
 DMRPL-2
 Logged On/Off by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

Log No. IGIS/SQA/71-22

