

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTOLOGGING REPORT

Ref No:-N-1023

Date:- 31-01-2023

NAME OF SITE

Gram Panchayat- Mohammadpur Pukhta

BLOCK- Usawa

DISTT- Budaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY  
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ISO ; 9001 : 2015

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOHAMMADPUR PUKHTA, BLOCK- USAWA, DISTT.- BUDAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 116 mtrs. depth. and Logged depth 115 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 31.Jan.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:-

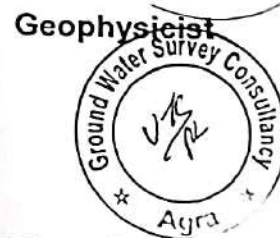
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 16	8	Clay kankar	
4.	16 - 27	11	Fine sand	Medium
5.	27 - 30	3	Clay kankar	
6.	30 - 35	5	Fine sand	Medium
7.	35 - 47	12	Clay kankar	
8.	47 - 70*	23	Medium sand	Medium
9.	70 - 93	23	Clay kankar	
10.	93 - 104*	11	Medium sand	Medium
11.	104 - 108	4	Clay kankar	
12.	108 - 115*	7	Medium sand	Medium

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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.



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Sheet 1  
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 LAT

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