

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 75

Date:- 12-04-2022

### NAME OF SITE

Gram Panchayat- Maujampur BLOCK- Bisauli DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

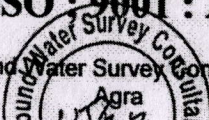
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO : 9001 : 2015**

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MAUJAMPUR, BLOCK- BISAULI, DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 112 mtrs. depth. and Logged depth 110 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 12.Apr.2022.

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 - 15	10	Dry sand	
3.	15 - 30	15	Sandy clay	
4.	30 - 42	12	Medium sand	Good
5.	42 - 55	13	Sandy clay	
6.	55 - 70*	15	Fine sand	Good
7.	70 - 78	8	Clay kankar	
8.	78 - 90*	12	Fine to Medium sand	Good
9.	90 - 93	3	Clay kankar	
10.	93 - 105*	12	Fine to Med. sand & Kankar	Good
11.	105 - 110	5	Clay kankar	

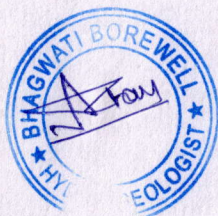


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**Conclusions and Recommendations :-**

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 Good.
4. Expected discharge is 800 to 1000 L.P.M.
5. 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.
6. 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.



**Ground Water Survey Consultancy**

Rho a  
 N16 (SN)  
 N64(LN)  
 LAT  
 Logging VI  
 Mahanagar Block  
 Bissal Dipt Budhan  
 LOG-GHOLP  
 12 Apr 2022  
 15:41  
 Utkarsh Gupta (AG)

SP (m V)

