



GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:- 319

Date:- 13-12-2022

NAME OF SITE

Gram Panchayat- Gautrapatti Narpat Khurd      BLOCK- Miaun      DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



GROUND WATER SURVEY CONSULTANCY  
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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy  
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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GAUTRAPATTI NARPAT KHURD, BLOCK- MIAUN,  
DISTT.- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 125 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 13.Dec.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 - 8	3	Clay	
3.	8 - 18	10	Medium sand	Medium
4.	18 - 28	10	Clay kankar	
5.	28 - 35	7	Fine to Medium sand	Medium
6.	35 - 40	5	Clay kankar	
7.	40 - 50*	10	Medium sand	Medium
8.	50 - 65	15	Clay kankar	
9.	65 - 77*	12	Medium sand	Medium
10.	77 - 82	5	Clay kankar	
11.	82 - 90*	8	Medium sand	Medium
12.	90 - 92	2	Clay kankar	
13.	92 - 105*	13	Fine to Medium sand	Medium
14.	105 - 120	15	Clay kankar	

**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.
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.

**Geophysicist**



**Ground Water Survey Consultancy**

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