

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTROLOGGING REPORT

RefNo:-A-1964

Date:- 22-10-2023

### NAME OF SITE

GRAM PANCHAYAT- Shikarpur

BLOCK- Salarpur

DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



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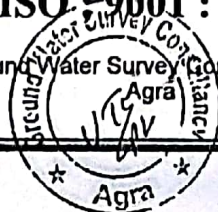
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO - 9001 : 2015

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# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SHIKARPUR, BLOCK- SALARPUR,  
DISTT- BADAUN  
UNDER  
JAL JIVAN MISSION

## Introduction :

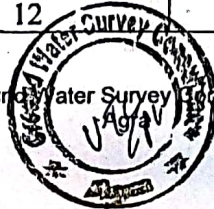
A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 22.Oct.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 - 20	15	Dry sand	
3.	20 - 35	15	Clay kankar	
4.	35 - 40	5	Medium sand	Medium
5.	40 - 42	2	Clay kankar	
6.	42 - 45	3	Medium sand	Medium
7.	45 - 50	5	Clay kankar	
8.	50 - 60*	10	Medium sand	Medium
9.	60 - 66	6	Clay kankar	
10.	66 - 88*	22	Medium sand	Medium
11.	88 - 92	4	Clay kankar	
12.	92 - 95	3	Fine sand	Medium
13.	95 - 108	13	Clay kankar	
14.	108 - 118*	10	Medium sand	Medium
15.	118 - 130	12	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 tube well.
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**

B Rho a  
 M16 (SNT)  
 N64(QN)  
 LAT  
 Logging Details:  
 Logging Co: Sampo Bont  
 Logging Date: 22 Oct 2013  
 Logging Time: 18:18  
 Location: G-02 (A9)

Logger: S. Hic  
 Date: 22/10/2013

DMR: 2  
 Logger Model:  SP (m V)  
 Logger Owned by:

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