

**GROUND WATER SURVEY CONSULTANCY**  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

Ref No:-A-1821

Date:- 09-10-2023

**NAME OF SITE**

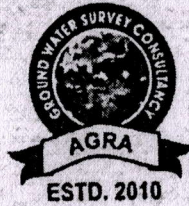
GRAM PANCHAYAT- Yusuf Nagar

BLOCK- Salarpur

DISTT- Badaun

**NAME OF AGENCY**

M/s PNC-SPML-JV  
Badaun



**GROUND WATER SURVEY CONSULTANCY**  
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.  
112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006  
(M) : 9412260823, 9794625420, 9761163000, Email : gwsc\_agra@yahoo.com

**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

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

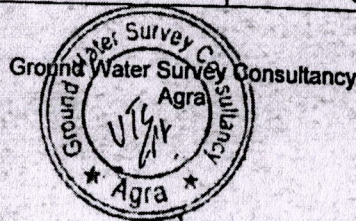
## Introduction :

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 is conduct at above bore hole using IGIS Well Logger on 09.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:-

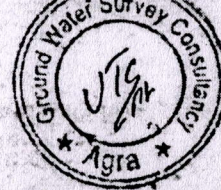
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 24	4	Fine to Medium sand	
4.	24 - 30	6	Clay kankar	
5.	30 - 36	6	Medium sand	Medium
6.	36 - 40	4	Clay kankar	
7.	40 - 46	6	Medium sand	Medium
8.	46 - 51	5	Clay kankar	
9.	51 - 61*	10	Medium sand	Medium
10.	61 - 65	4	Kankar	
11.	65 - 80*	5	Medium sand	Medium
12.	80 - 85	5	Clay kankar	
13.	85 - 100*	15	Medium sand	Medium
14.	100 - 102	2	Clay kankar	
15.	102 - 105*	3	Medium sand	Medium
16.	105 - 110	5	Clay kankar	
17.	110 - 122*	12	Medium sand	Medium
18.	122 - 130	8	Clay kankar	



**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.

**Geophysicist**



**Ground Water Survey Consultancy**

B Rho a  
 M16 (SN)  
 M64(LN)  
 LAT  
 Logging Device:  
 1800 m J. and Nagar Associates  
 Survey Dept. Jaipur  
 18 LOGGING DEPT  
 09 Oct 2023  
 13:31  
 Uthmaniyah Area, KSA

Logger S/N No:  
 IGIS/S102/22-23

B  
 SP (m V)  
 Logger Model:  
 DMPL-2  
 Logger Owned by:  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA (P), INDIA

