

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

**GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT**

RefNo:-B- 1166

Date:- 29-06-2023

**NAME OF SITE**

GRAM PANCHAYAT- Sirsa      BLOCK- Samrer      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- SIRSA, BLOCK- SAMRER, DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 135 mtrs. depth. and Logged depth 132 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 29 June.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 - 10	5	Dry sand	
3.	10 - 15	5	Fine sand	
4.	15 - 22	7	Clay kankar	
5.	22 - 40	18	Medium sand	Med to Good
6.	40 - 45	5	Clay kankar	
7.	45 - 52*	7	Fine to Medium sand	Med to Good
8.	52 - 60	8	Clay kankar	
9.	60 - 72*	12	Medium sand	Med to Good
10.	72 - 85	13	Clay kankar	
11.	85 - 97*	12	Medium sand	Med to Good
12.	97 - 104	7	Clay kankar	
13.	104 - 116*	12	Medium sand	Med to Good
14.	116 - 128	12	Clay kankar	
15.	128 - 132	4	Fine to Medium sand	Med to Good



**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 to Good.
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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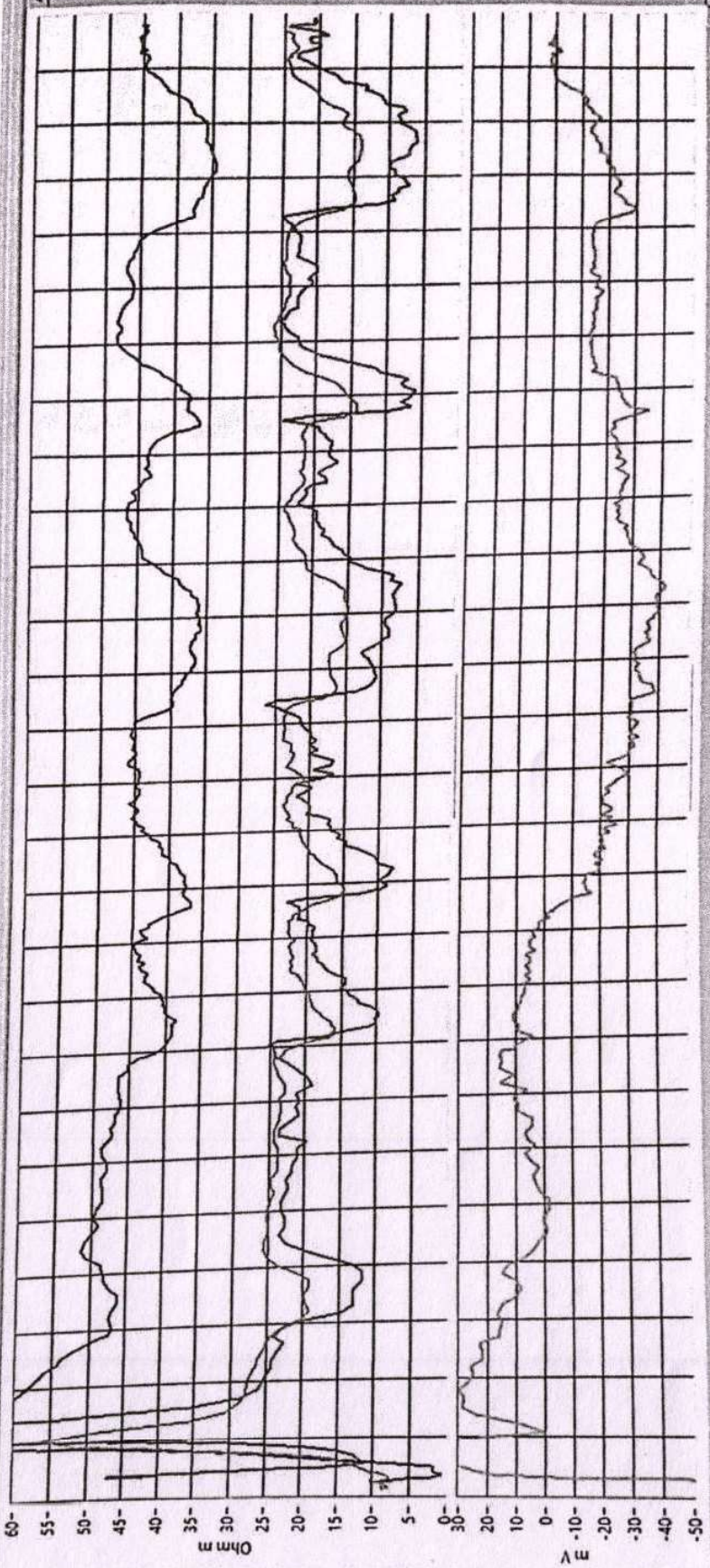
Rho a  
 N16 (SH)  
 N64(LN)  
 LAT

**Logging Details**  
 Log File: 1161004  
 Log File: 1161004  
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 Log File: 1161004  
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 Log File: 1161004

Logger S No  
 IGIS/S/02/23-24

SP (m V)  
 Logger Model  
 DMPL-2

Logger Created by  
 Ground Water  
 Survey Consultancy  
 Agra Up India



Depth (m)

