

Ground Water Survey Consultancy

Agra

ISO : 9001 : 2015

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

GROUND WATER SURVEY CONSULTANCY



Badoun

M/s PNC-SPML-JV

NAME OF AGENCY

GRAM PANCHAYAT- Karia Bain

BLOCK - Dahagawan

DISTT - Badoun

NAME OF SITE

Ref No:-A-2013

Date:- 27-10-2023

ELECTROLOGGING REPORT

GEO-PHYSICAL WELL

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GROUND WATER SURVEY CONSULTANCY



# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-KARIA BAIN, BLOCK- DAHAGAWAN,

DISTT- BADAUN

UNDER

JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 137 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 27. 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 - 25	20	Clay kankar	
3.	25 - 30	5	Fine to Medium sand	Medium
4.	30 - 35	5	Clay kankar	
5.	35 - 39	4	Medium sand	Medium
6.	39 - 50	11	Clay kankar	
7.	50 - 56*	6	Medium sand	Medium
8.	56 - 62	6	Clay kankar	
9.	62 - 70*	8	Medium sand	Medium
10.	70 - 80	10	Clay kankar	
11.	80 - 87*	7	Fine to Medium sand	Medium
12.	87 - 93	6	Clay kankar	
13.	93 - 112*	19	Medium sand	Medium
14.	112 - 118	6	Clay kankar	
15.	118 - 128*	10	Fine to Medium sand	Medium
16.	128 - 137	9	Clay kankar	



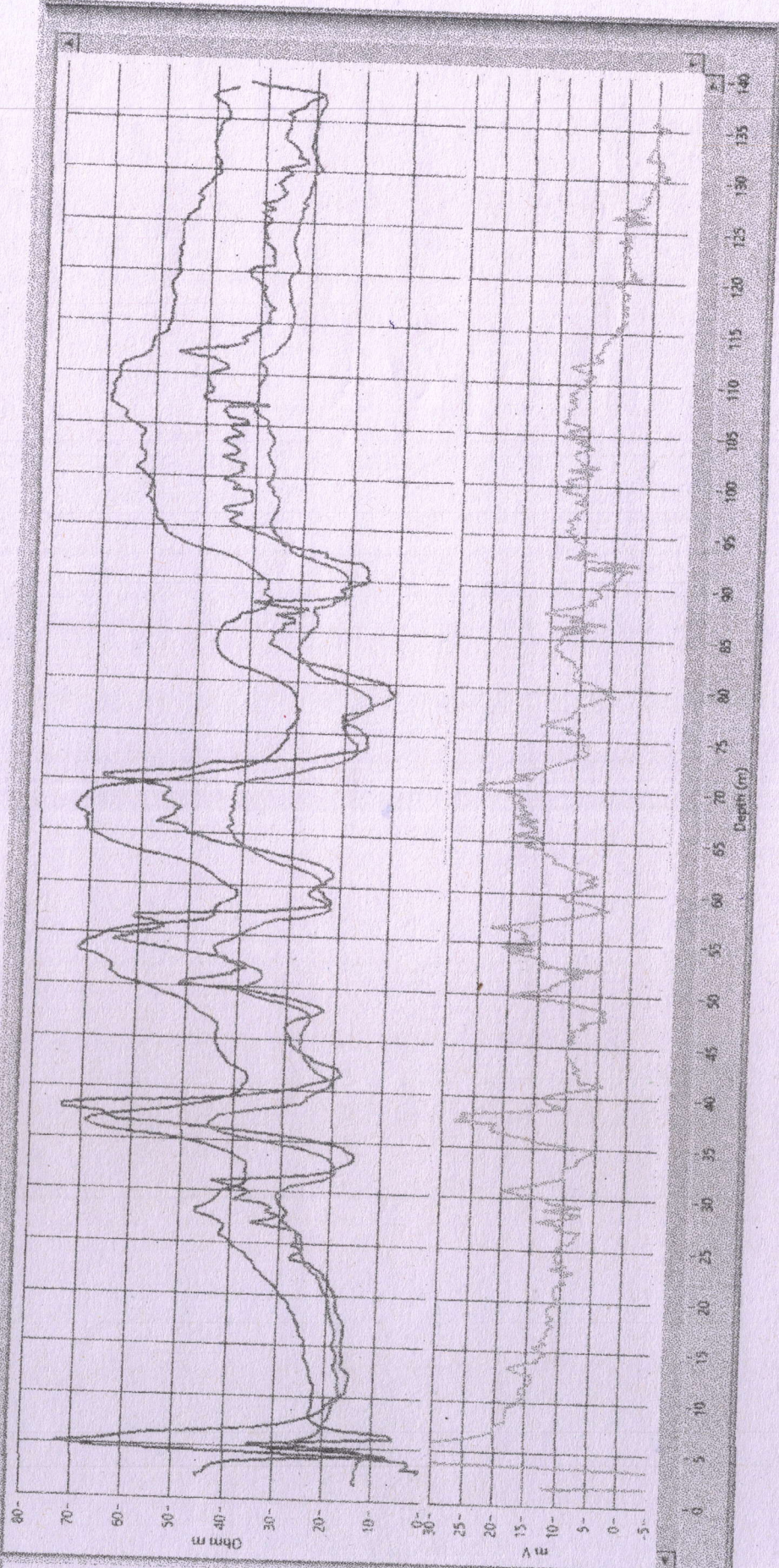
**Conclusions and Recommendations :-**

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.



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Rho a  
 N16 (SN)  
 N64 (LN)  
 LAT  
 Logging Details  
 1022 by SP-As's Bar-Rock  
 Dr. Sagar Dutt Bhatnagar  
 SP LOGGING UNIT  
 27 Oct 2003  
 10:57  
 Udaipur, G. era, ASI  
 Logger S No  
 GIS/S/01/21-22  
 SP (m V)  
 Logger Model  
 DMPL-2  
 Logger Owned by  
 GROUND WATER  
 SURVEY  
 CONSULTANCY  
 AGRA, UP, India

