

GROUND WATER SURVEY CONSULTANCY  
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL  
ELECTROLOGGING REPORT

Ref No:-A-2138

Date:- 04-11-2023

NAME OF SITE

GRAM PANCHAYAT-Hasanpur Pukhta BLOCK-Ujhani  
DISTT-Badaun

NAME OF AGENCY

M/s PNC-SPML-JV  
Badoun



GROUND WATER SURVEY CONSULTANCY

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

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ISO : 9001 : 2015

Ground Water Survey Consultancy

Agra

# REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT-HASANPUR PUKHTA, BLOCK-UJHANI, DISTT-BADAWN

UNDER

JAL JIVAN MISSION

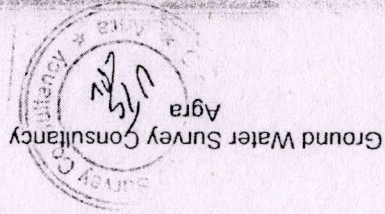
## Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badoun.

On the request of M/S PNC-SPML-JV, Badoun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 04.Nov.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 - 14	9	Fine sand	
3.	14 - 19	5	Clay kankar	
4.	19 - 35	16	Medium sand	Medium
5.	35 - 43	8	Clay kankar	
6.	43 - 55*	12	Medium sand	Medium
7.	55 - 61	6	Clay kankar	
8.	61 - 69*	8	Medium sand	Medium
9.	69 - 73	4	Clay kankar	
10.	73 - 80*	7	Fine to Medium sand	Medium
11.	80 - 88	8	Clay kankar	
12.	88 - 100*	12	Fine to Medium sand	Medium
13.	100 - 110	10	Clay kankar	
14.	110 - 120*	10	Fine to Medium sand	Medium
15.	120 - 130	10	Clay kankar	
16.	130 - 138	8	Fine sand	Medium
17.	138 - 140	2	Clay kankar	



**Conclusions and Recommendations :-**

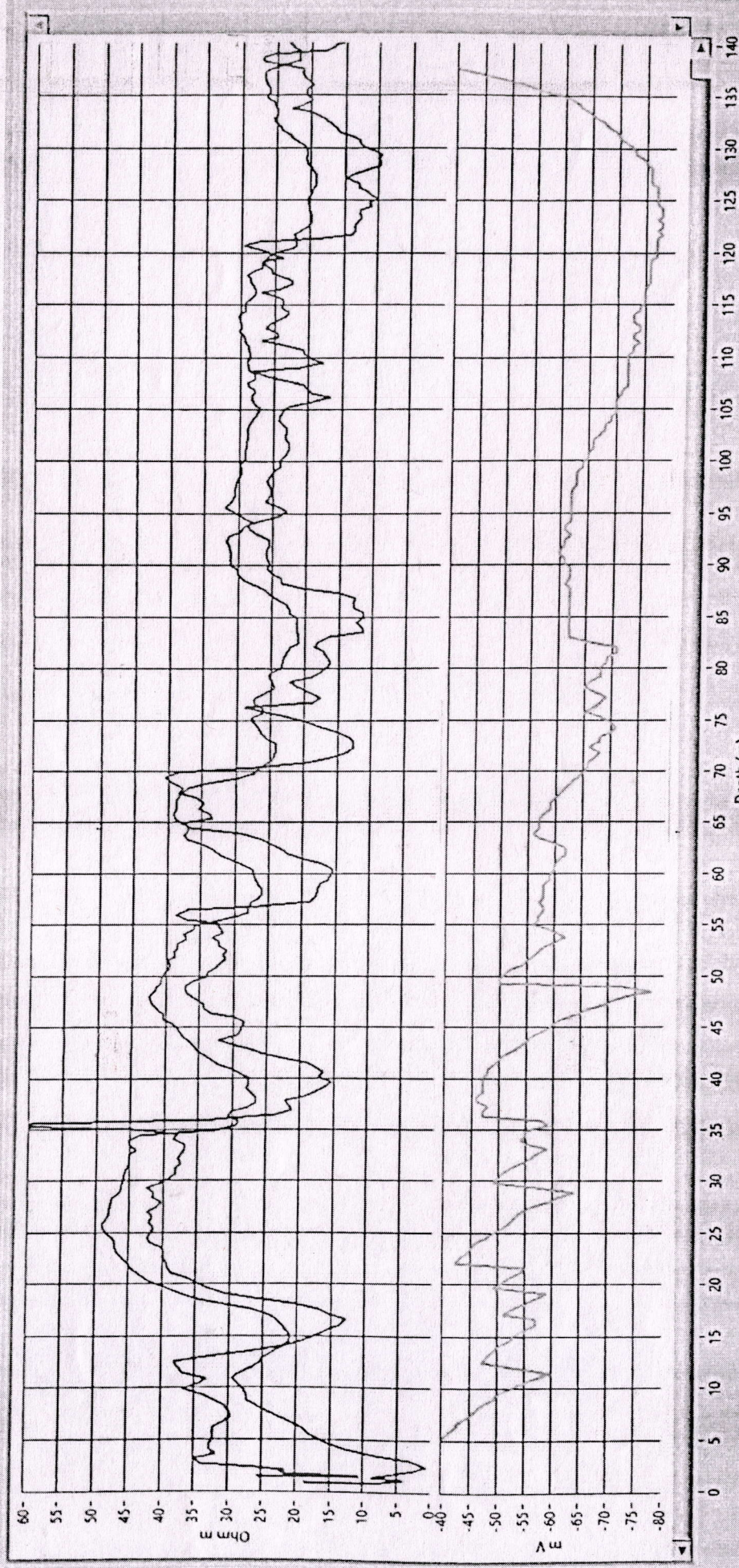
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (\*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water 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

2-22-2011 08:00



**Rho a**  
N15 (SF)  
N64(LM)  
LAT  
Logging Details  
Sugilipatti  
Engineering Division  
P.S. Coimbatore  
T.N. 641 002  
15.11  
Srinivasulu AG.

Logger S. No.  
IGIS/S/01/21-22

**SP (mV)**  
Logger Model  
DMPL-2

Logger Owned by  
GROUND WATER  
SURVEY  
CONSULTANCY  
AGRA UP, India

