

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTOLOGGING REPORT**

Ref No:-B- 903

Date:- 12-06-2023

NAME OF SITE

GRAM PANCHAYAT- Takipur Bistor 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.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- TAKIPUR BISTOR, BLOCK- SALARPUR, DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 122 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 12.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 - 20	15	Clay kankar	
3.	20 - 30	10	Fine sand	
4.	30 - 33	3	Clay kankar	
5.	33 - 40	7	Fine to Medium sand	Good
6.	40 - 43	3	Clay kankar	
7.	43 - 50	7	Fine to Medium sand	Good
8.	50 - 55	5	Clay kankar	
9.	55 - 75*	20	Medium sand & kankar	Good
10.	75 - 84	9	Clay kankar	
11.	84 - 90*	6	Fine to Medium sand	Good
12.	90 - 94	4	Clay kankar	
13.	94 - 112*	18	Medium sand	Good
14.	112 - 122	10	Clay kankar	

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Conclusions and Recommendations :-

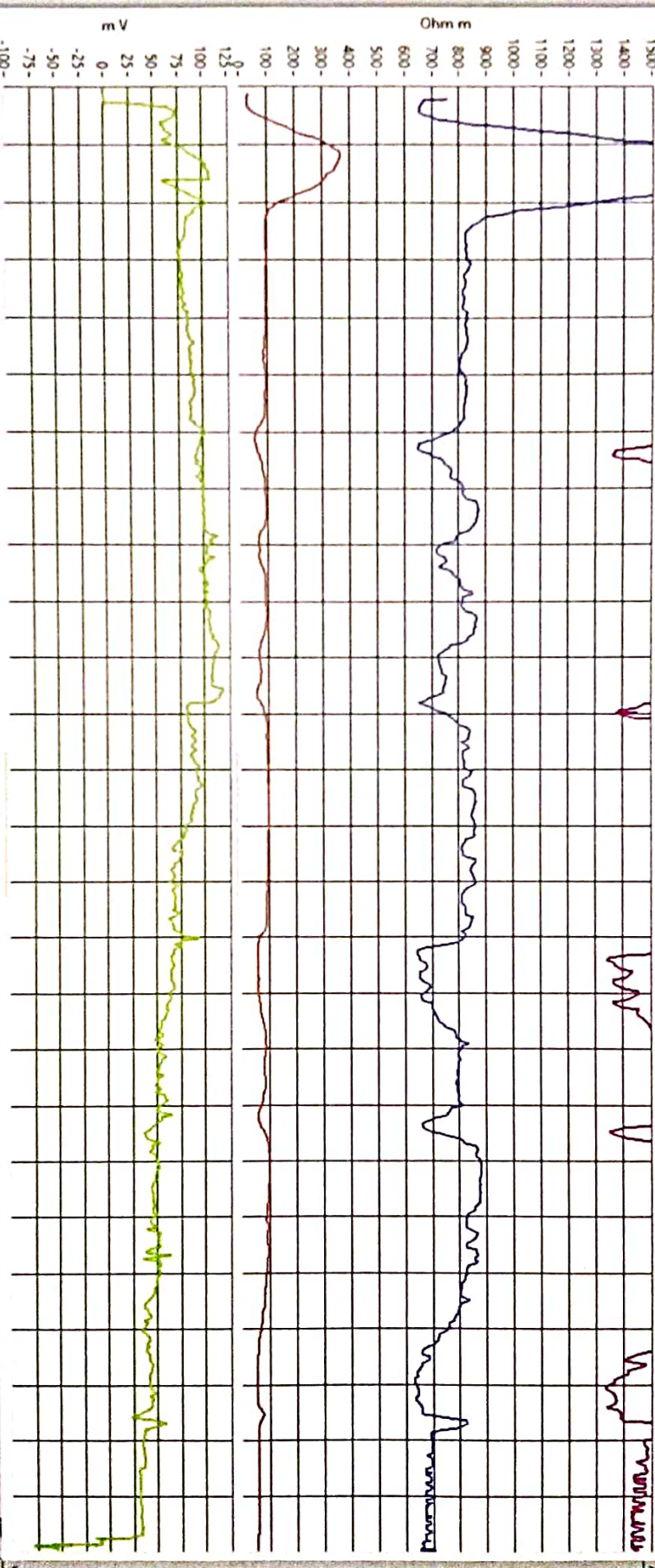
1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water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

Geophysicist

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Rho a
 NI6(SN)
 NS4(LIN)
 LAT
Logging Details
 08775 001 00001 0000
 00000 00000 00000 00000
 00000 00000 00000 00000
 12/04/2013
 18:31
 00000 00000 00000 00000
 00000 00000 00000 00000



Logger S No: IG/S/02/22-23
 Logger Model: SP (mV)
 DMP-2
 Logger Owned by: GROUND WATER SURVEY CONSULTANCY AGR, UP, INDIA

