

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2632

Date:- 22-02-2024

NAME OF SITE

GRAM PANCHAYAT-Lalai BLOCK - Salarpur DISTT - Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

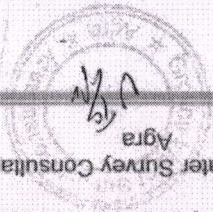


GROUND WATER SURVEY CONSULTANCY

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-LALAI, 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 22.Feb.2024.

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 - 24	19	Dry sand	
3.	24 - 43	19	Medium sand	Medium
4.	43 - 50	7	Clay kankar	
5.	50 - 52	2	Fine sand	Medium
6.	52 - 57	5	Clay kankar	
7.	57 - 65	8	Fine sand	Medium
8.	65 - 82*	17	Medium sand	Medium
9.	82 - 85	3	Kankar	
10.	85 - 90*	5	Medium sand	Medium
11.	90 - 95	5	Clay kankar	
12.	95 - 100*	5	Fine to medium sand	Medium
13.	100 - 106	6	Clay kankar	
14.	106 - 110*	4	Fine to medium sand	Medium
15.	110 - 122	12	Clay kankar	

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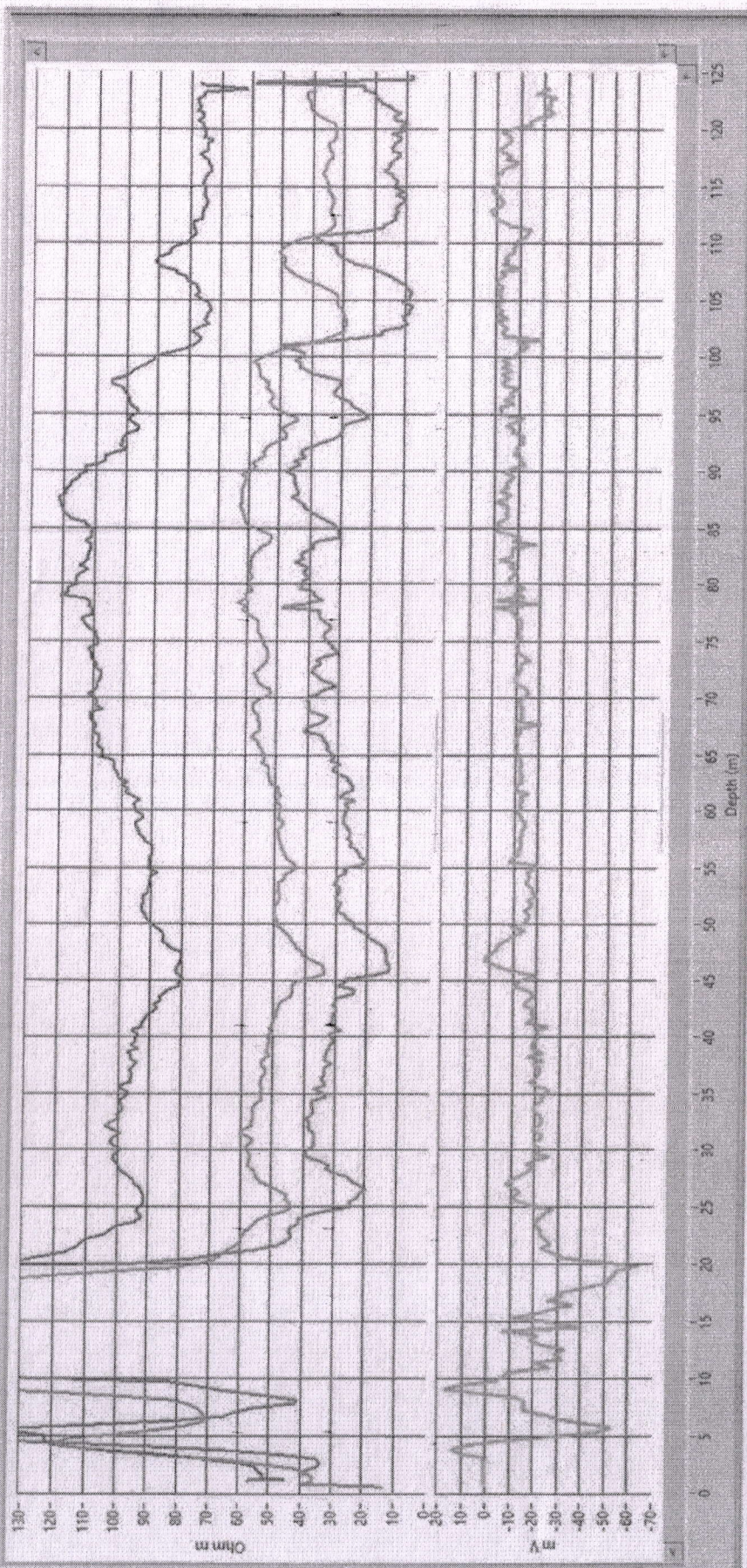


Conclusions and Recommendations :-

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 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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Rhs a
 NIS (Ohm m)
 M64(LN)
 LAT

Logging Details
 Logging Site Name
 Survey East Block
 2007/10/01
 12 Feb 2008
 15.37
 UTM: 48QUG 94D

Logger Site
 10/S/S/E/21/22

SP (mV)
 Logger Model
 DWPL

Logger Created by
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, INDIA

