

GROUND WATER SURVEY CONSULTANCY
GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-2502

Date:- 05-12-2023

NAME OF SITE

GRAM PANCHAYAT-Gangaura

BLOCK - Ujhani

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

Ground Water Survey Consultancy

AGRA

REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- GANGAURA, BLOCK- UJHANI, DISTT- BADAUN

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, Badaun:

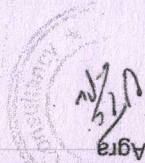
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conduct at above bore hole using IGIS Well Logger on 05. Dec. 2023.

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	Dry sand	
3.	20 - 32	12	Clay kankar	
4.	32 - 42	10	Medium sand	Medium
5.	42 - 55	13	Clay kankar	
6.	55 - 70*	15	Medium sand	Medium
7.	70 - 90	20	Clay kankar	
8.	90 - 98*	8	Fine to Medium sand	Medium
9.	98 - 104	6	Clay kankar	
10.	104 - 107	3	Fine to Medium sand	Medium
11.	107 - 120	13	Clay kankar	
12.	120 - 136*	16	Fine to Medium sand	Medium
13.	136 - 140	4	Clay kankar	

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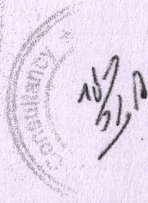
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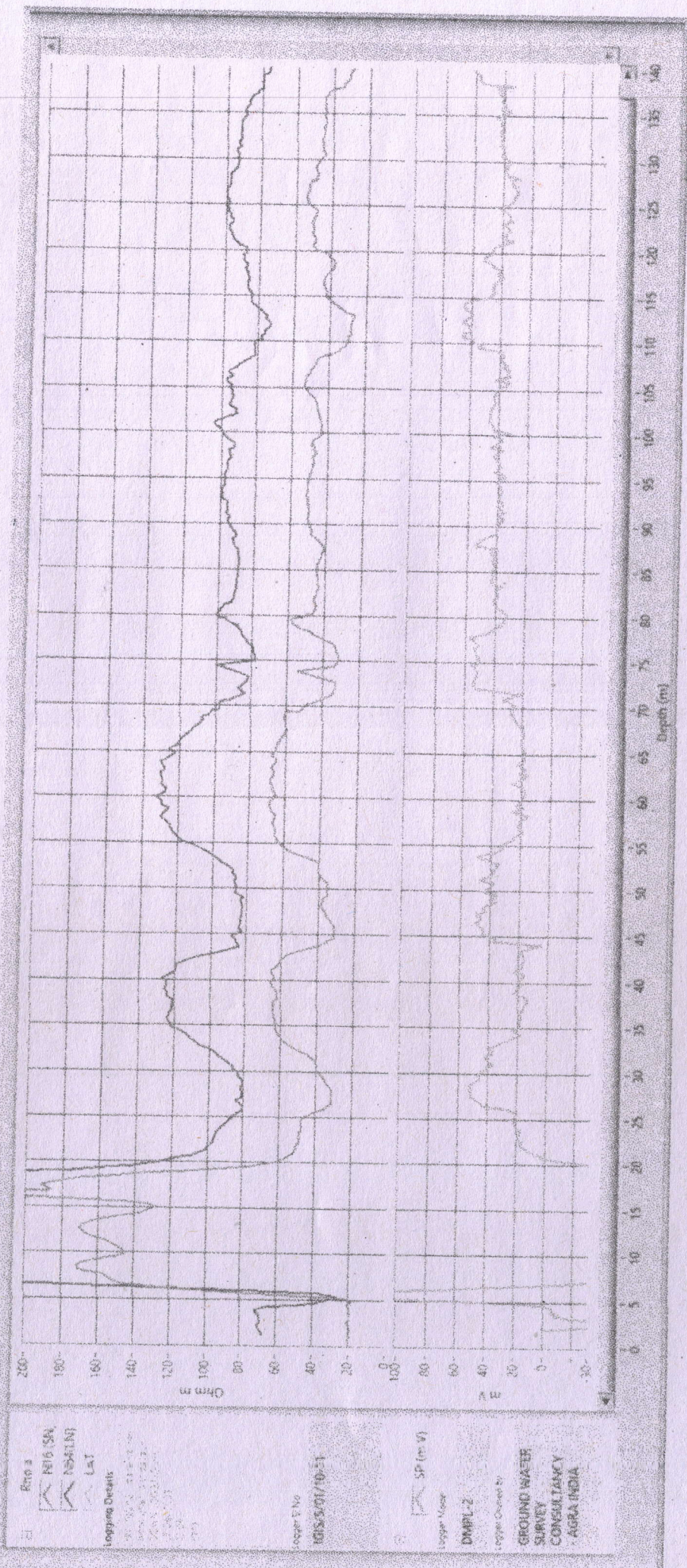


Conclusions and Recommendations :-

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.

Geologist





R16 (SA)
 R24 (LI)
 L1T

Log No
 1015/07/10-51

SP (mV)
 DMPL-2
 GROUND WATER SURVEY CONSULTANCY AGRA INDIA

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