

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-B-356

Date:- 05-05-2023

NAME OF SITE

GRAM PANCHAYAT- Muggarra Tatei BLOCK- Kadar Chowk DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

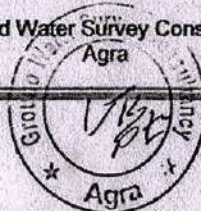


GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO ; 9001 : 2015

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUGGARRA TATEI, BLOCK- KADAR CHOWK,
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 130 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.May.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 - 11	6	Fine sand	
3.	11 - 20	9	Clay kankar	
4.	20 - 35	15	Fine to Medium sand	Good
5.	35 - 45	10	Clay kankar	
6.	45 - 54*	9	Fine to Medium sand	Good
7.	54 - 60	6	Clay kankar	
8.	60 - 63	3	Fine sand	Good
9.	63 - 77	14	Clay kankar	
10.	77 - 84	7	Sand & kankar	Good
11.	84 - 90	6	Clay kankar	
12.	90 - 121*	31	Medium sand & kankar	Good
13.	121 - 130	9	Clay kankar	



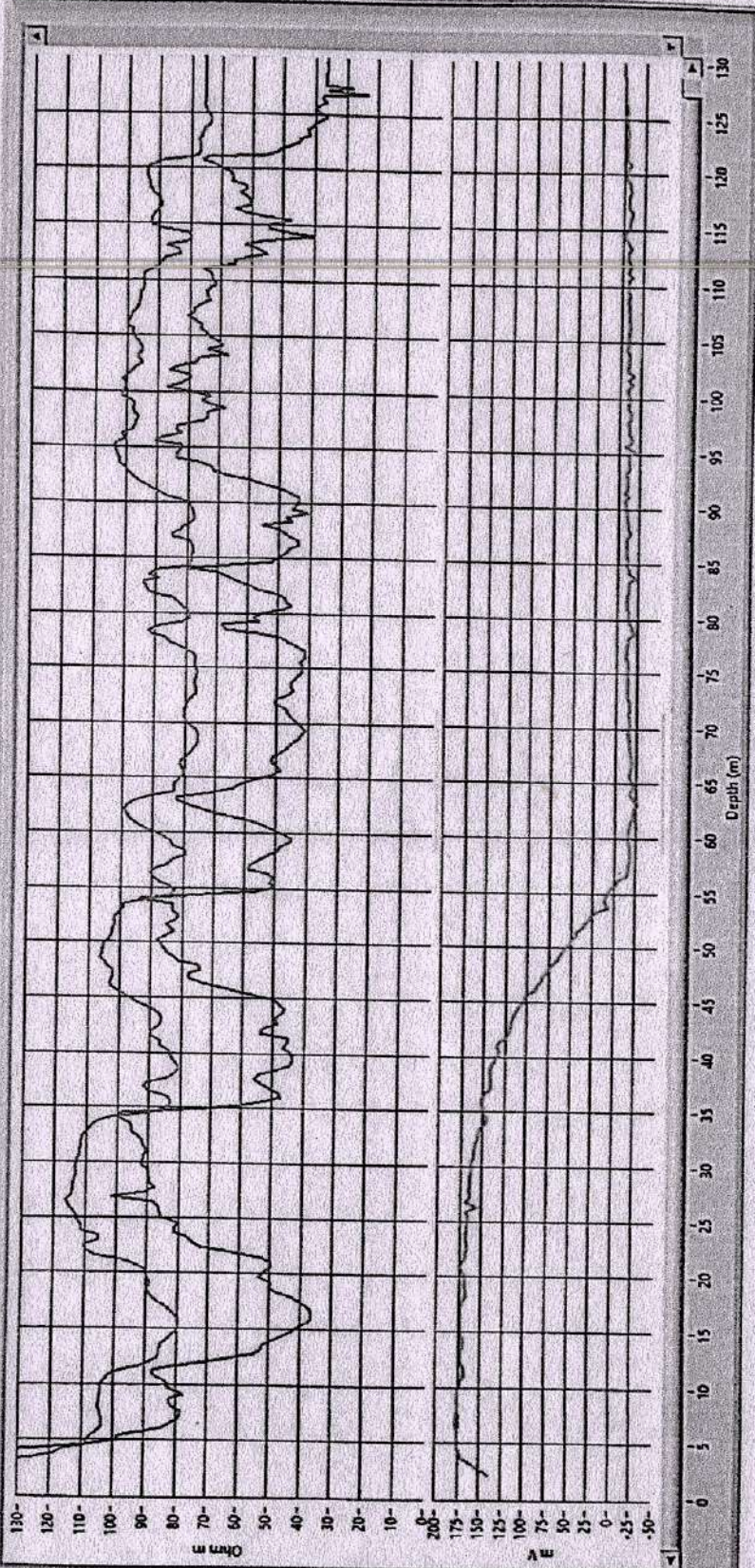
Conclusions and Recommendations :-

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 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



Ground Water Survey Consultancy



Etho 3
 N16 (SA)
 N64(LN)
 LAT

Logging Details
 12273 - 12274
 Etho 3 (SA)
 N64(LN)
 LAT
 18 May 2011
 19:23

Logger Site
 IGIS/SA/21-22

E3
 SP (mV)

Logger Code
 DMPL-2
 Logger Owned by
 GROUND WATER
 SURVEY
 CONSULTANCY
 - AGRA INDIA

