

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-B-2190

Date:- 24-10-2023

NAME OF SITE

Gram Panchayat- Mustafabad Jaretha BLOCK- Dahagawan 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-MUSTAFABAD JARETHA, BLOCK- DAHAGAWAN,

DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction:

A Deep bore hole was drilled 135 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 in the above bore hole using IGIS Well Logger on 24.Oct.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:-



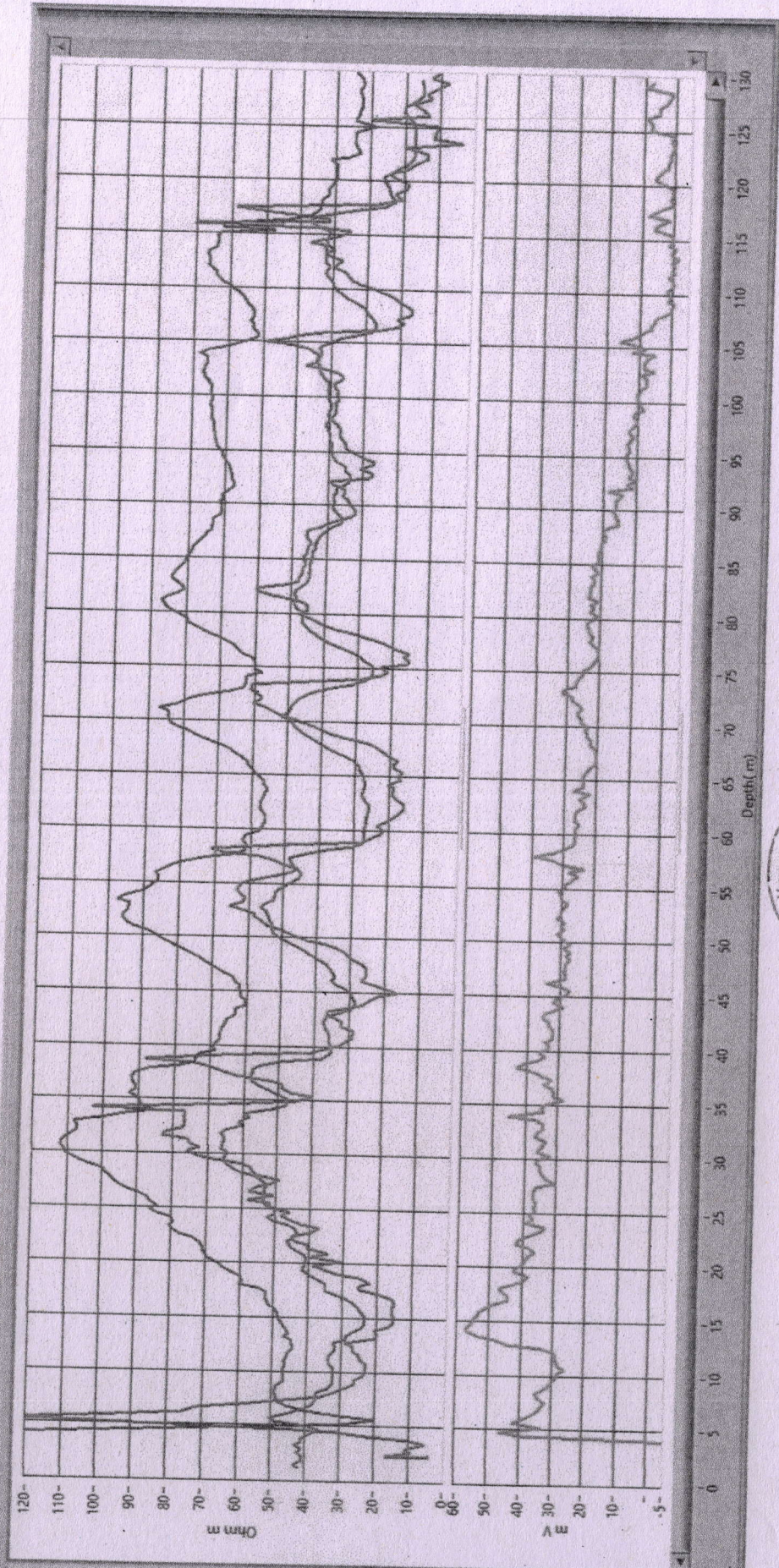
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Clay kankar	
3.	20 - 38	18	Fine to Med sand & kan	Medium
4.	38 - 48	10	Clay kankar	Medium
5.	48 - 57*	9	Medium sand	Medium
6.	57 - 67	10	Clay kankar	Medium
7.	67 - 72*	5	Fine to Medium sand	Medium
8.	72 - 78	6	Clay kankar	Medium
9.	78 - 83*	5	Fine to Medium sand	Medium
10.	83 - 94	11	Clay kankar	Medium
11.	94 - 105*	11	Fine to Medium sand	Medium
12.	105 - 110	5	Clay kankar	Medium
13.	110 - 115*	5	Fine to Medium sand	Medium
14.	115 - 130	15	Clay kankar	Medium

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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Rho a
 N 16(N)
 N 64 (LN)
 LAT

Location:
 Logging OP: Kustalbasid
 Jagren's Block Dngaran
 Duta Baktun

Log No:
 UP LOGGINGUP

Date:
 24 Oct 2003

Time:
 13:24

Operator:
 March Susanto (AG)
 WPT Design

Logger SI No:
 IGIS/5/01/21-22

SP
 Logger Model:
 DMPL-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

