

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2105

Date:- 03-11-2023

NAME OF SITE

GRAM PANCHAYAT - Malkalan BLOCK - Islamnagar DISTT - Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



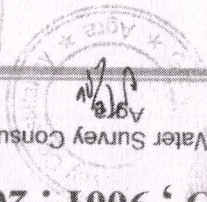
GROUND WATER SURVEY CONSULTANCY

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- MALIKALAN, BLOCK- ISLAMNAGAR,

DISTT- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 135 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 03.Nov.2023.

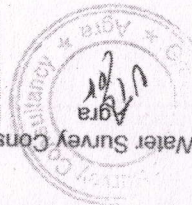
Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral.

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 - 15	10	Dry sand	
3.	15 - 30	15	Clay kankar	
4.	30 - 35	5	Fine to Medium sand	Medium
5.	35 - 40	5	Clay kankar	
6.	40 - 42	2	Fine to Medium sand	Medium
7.	42 - 47	5	Clay kankar	
8.	47 - 50	3	Fine to Medium sand	Medium
9.	50 - 63	13	Clay kankar	
10.	63 - 85*	22	Medium sand	Medium
11.	85 - 101	16	Clay kankar	
12.	101 - 105*	4	Fine to Medium sand	Medium
13.	105 - 110	5	Clay kankar	
14.	110 - 114*	4	Fine to Medium sand	Medium
15.	114 - 122	8	Clay kankar	
16.	122 - 133* ¹³⁰	11	Medium sand	Medium
17.	133 - 135	2	Clay kankar	

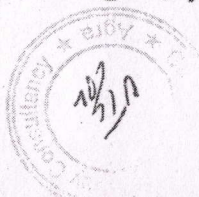
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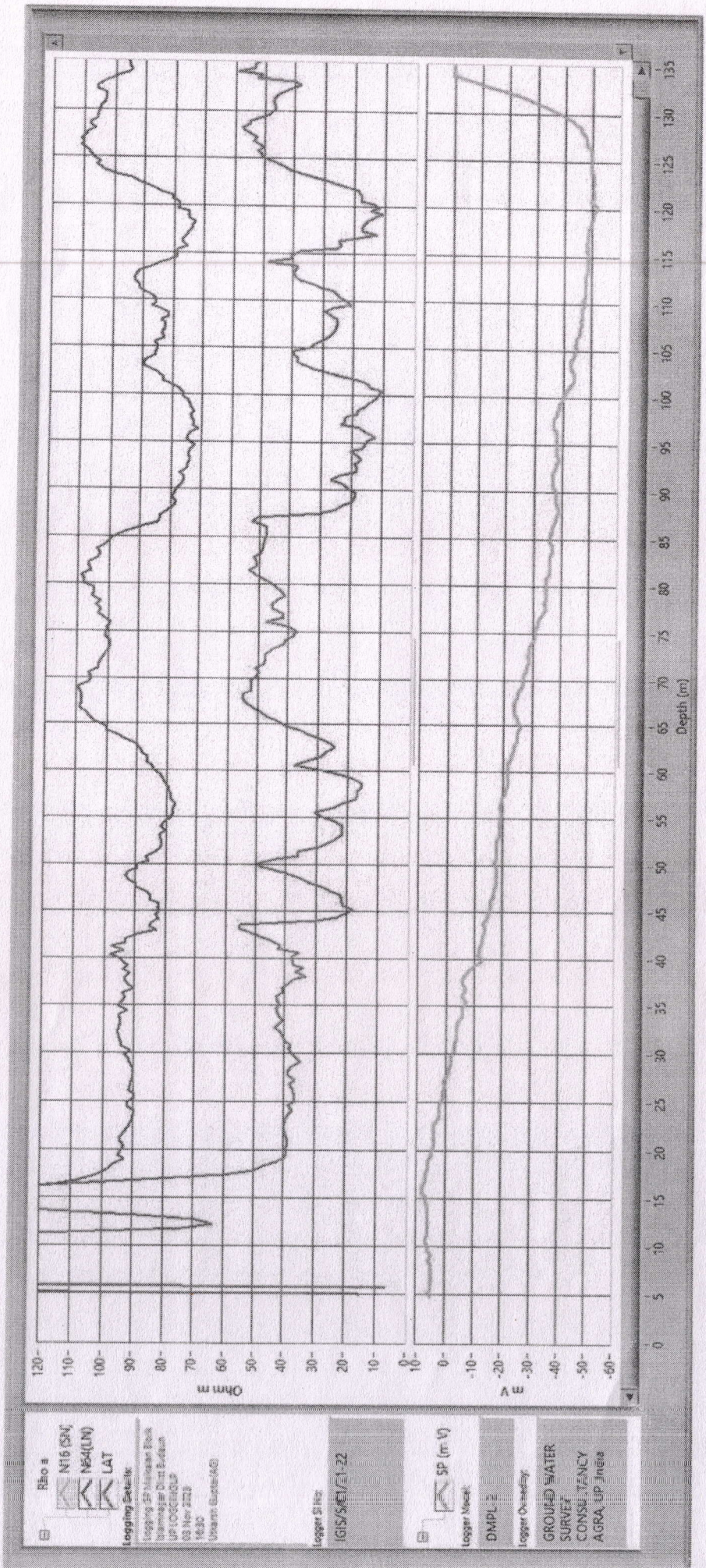
Conclusions and Recommendations :-

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.

Geophysicist



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RHO A
 N16 (SN)
 N64(LN)
 LAT
 Logging Service
 Logging SP Nigerian Block
 Inshore Offshore
 UP LOGGING
 03 Nov 2018
 16:30
 Usant, Epe/AGI
 Logger ID: 122
 IGIS/SP/E/1.22
 SP (mV)
 Logger Model
 DMPL 2
 Logger Overhaul
 GROUNDED WATER
 SURVEY
 CONSULTANCY
 AGRA, LIP, Inlet

