

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:-A-2002

Date:- 26-10-2023

NAME OF SITE

GRAM PANCHAYAT- Chandouli
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

Ground Water Survey Consultancy



REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- CHANDOU, BLOCK- ISLAMNAGAR, 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 conducted at above bore hole using IGIS Well Logger on 26.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:-

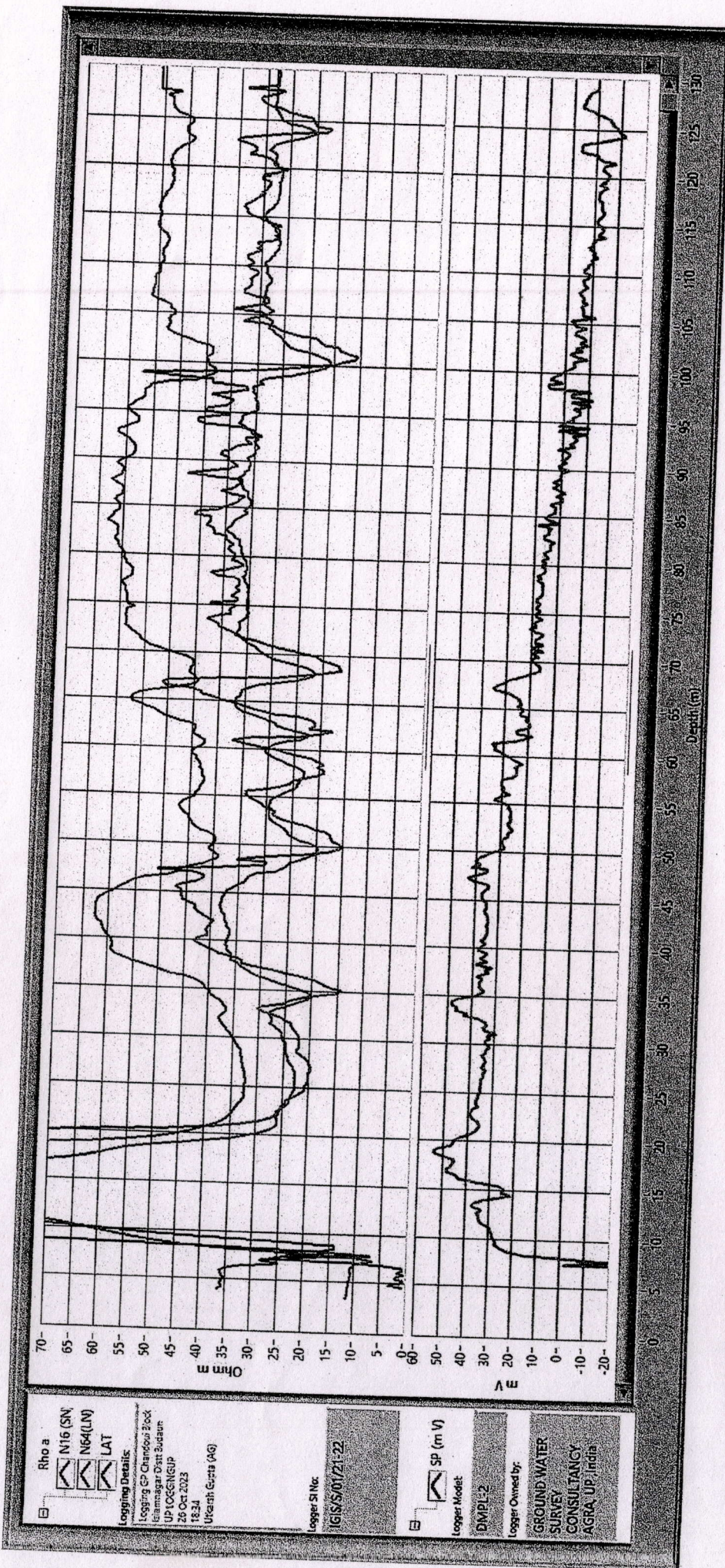
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 35	15	Clay kankar	
4.	35 - 45	10	Medium sand	Medium
5.	45 - 50	5	Clay kankar	
6.	50 - 54	4	Fine sand	Medium
7.	54 - 62	8	Clay kankar	
8.	62 - 65*	3	Medium sand	Medium
9.	65 - 70	5	Clay kankar	
10.	70 - 87*	17	Medium sand	Medium
11.	87 - 102	15	Clay kankar	
12.	102 - 121*	19	Medium sand	Medium
13.	121 - 125	4	Clay kankar	
14.	125 - 130	5	Medium sand	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
 N16 (SN)
 N64 (LN)
 LAT

Logging Details

Logging CP Chandoo Block,
 Jhamaagar Distt Budaun,
 UP LOGGINGUP
 26 Oct 2023
 18:34
 Utearth Geos (AG)

Logger S/N No:

IGIS/S/01/21-22

Logger Model:

SP (m V)

Logger Owned by:

DIMPLE-2
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, India

