

# GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

## GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:- 230

Date:- 15-05-2022

### NAME OF SITE

Gram Panchayat- Diorijeet      BLOCK- Jagat      DISTT- Badaun

### NAME OF AGENCY

M/s PNC-SPML-JV  
Badaun



## GROUND WATER SURVEY CONSULTANCY

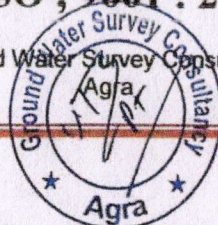
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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**ISO ; 9001 : 2015**

Ground Water Survey Consultancy



# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- DIORIJEEET, BLOCK- JAGAT  
DISTT.- BADAUN

UNDER  
JAL JIVAN MISSION

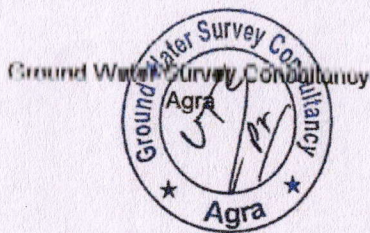
## Introduction :

A Deep bore hole was drilled 122 mtrs. depth. and Logged depth 120 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 15.May.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

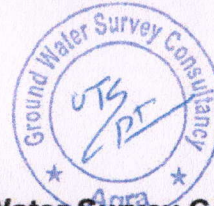
S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 20	15	Dry sand	
3.	20 - 27	7	Clay kankar	
4.	27 - 36	9	Medium sand	Good
5.	36 - 40	4	Clay kankar	
6.	40 - 45	5	Kankar with Sand	Good
7.	45 - 48	3	Clay kankar	
8.	48 - 51*	3	Fine to Medium sand	Good
9.	51 - 56	5	Clay kankar	
10.	56 - 80*	24	Medium sand	Good
11.	80 - 84	4	Clay kankar	
12.	84 - 86*	2	Fine sand	Good
13.	86 - 92	6	Clay kankar	
14.	92 - 97*	5	Medium sand	Good
15.	97 - 103	6	Clay kankar	
16.	103 - 111*	8	Sand & Kankar	Good
17.	111 - 120	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. Expected discharge is 800 to 900 L.P.M.
5. 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.
6. 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**

**For Dhruv Tubewell Engineers**

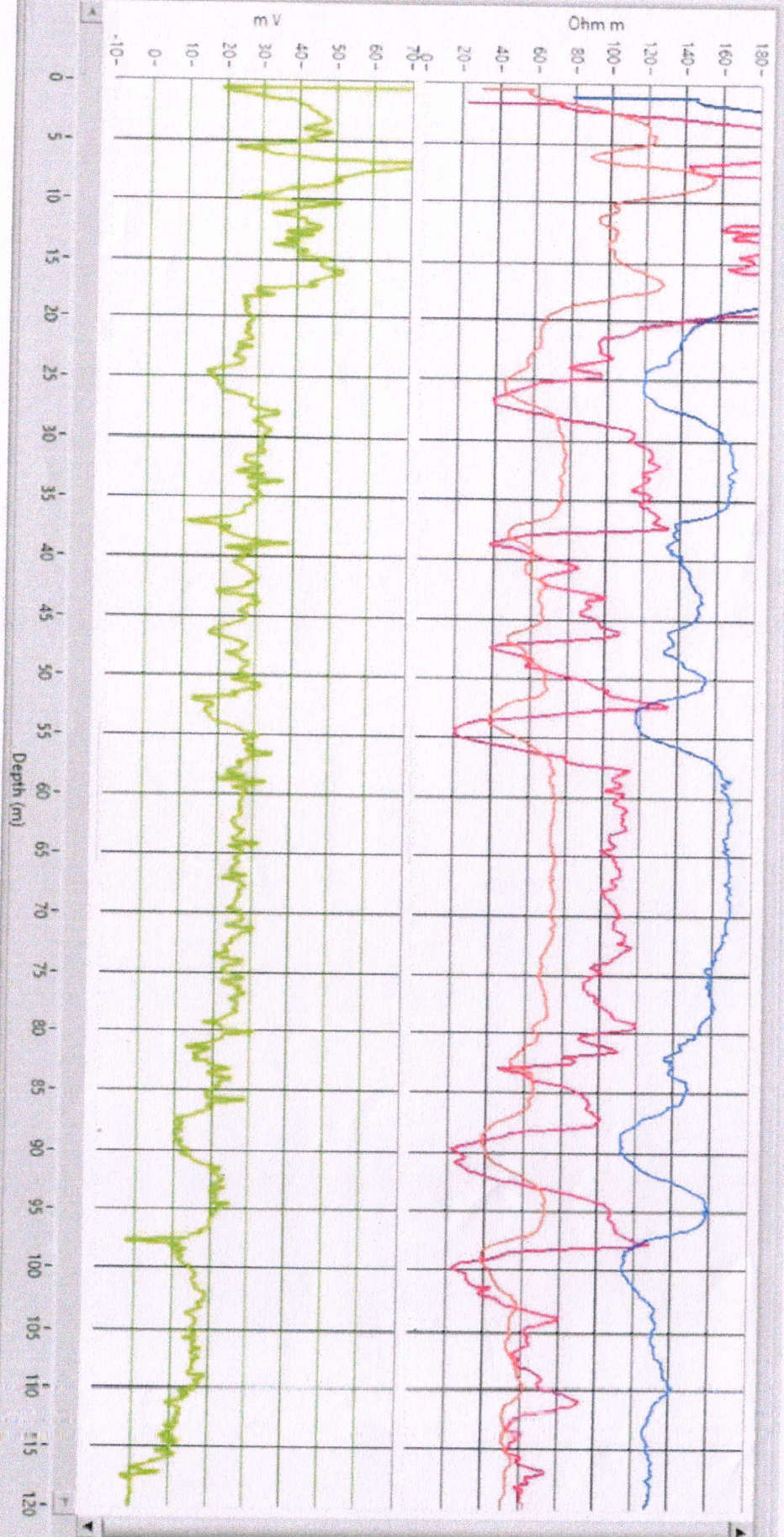
 **Partner**

Rho a

- NT6 (SN)
- NS4(LN)
- LAT

Logging v. (Quartz) Block  
 Jagat Chait Basu  
 UP, COCHINDUR  
 15.04.2022  
 19230  
 Operator: Gaurav Jais

SP (mV)



For Dhruv Tubewell Engineering

Dhruv partner