

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2253

Date:- 26-11-2023

NAME OF SITE

GRAM PANCHAYAT- Parauli

BLOCK- Bisauli

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- PARAULI, BLOCK- BISAULI, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 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 26.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 - 50*	20	Medium sand & kankar	Medium
5.	50 - 56	6	Clay kankar	
6.	56 - 75*	19	Medium sand	Medium
7.	75 - 81	6	Clay kankar	
8.	81 - 93*	12	Medium sand	Medium
9.	93 - 105	12	Clay kankar	
10.	105 - 116*	11	Medium sand	Medium
11.	116 - 124	8	Clay kankar	
12.	124 - 134*	10	Medium sand	Medium
13.	134 - 140	6	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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.

Geologist



Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging Details:
 Logging GP Parul Book
 Sagar Datt Sujan
 UP LOGGING
 28 Nov 2023
 1954
 Utcah Gups (AG)

Logger S/Nc:
 IGS/S/02/22-23

Logger Model:
 SP (m V)

Logger Oriented by:
 DMPL-2
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

