

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-311

Date:- 02-05-2023

NAME OF SITE

GRAM PANCHAYAT- Kadrabad

BLOCK- Samrer

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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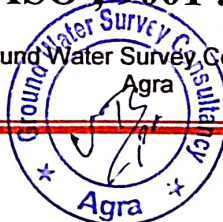
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO : 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KADRABAD, BLOCK- SAMRER,
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 conduct at above bore hole using IGIS Well Logger on 02.May.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 - 10	5	Dry sand	
3.	10 - 16	6	Fine sand	
4.	16 - 23	7	Clay kankar	
5.	23 - 37	14	Medium sand	Good
6.	37 - 41	4	Clay kankar	
7.	41 - 46	5	Fine sand	Good
8.	46 - 54	8	Clay kankar	
9.	54 - 85*	31	Medium sand & kankar	Good
10.	85 - 88	3	Clay kankar	
11.	88 - 91	3	Fine sand	Good
12.	91 - 97	6	Clay kankar	
13.	97 - 102*	5	Fine to Medium sand	Good
14.	102 - 105	3	Clay kankar	
15.	105 - 112*	7	Medium sand	Good
16.	112 - 118	6	Clay kankar	
17.	118 - 126*	8	Fine to Medium sand	Good
18.	126 - 130	4	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. 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
 NI6(SN)
 NS4(LN)
 LAT
 Logging Details
 Ge-Logpass Egeo
 Sample Dir: 133333-
 UJ10051605
 (1.0/0.1/0.1)
 21.45
 UTM Zone: 48Q (Q)

Logger: S1 No:
 IGIS/S/02/22-23

SP (m V)
 Logger Model:
 DMPL-2
 Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

