

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2249

Date:- 26-11-2023

NAME OF SITE

GRAM PANCHAYAT- Rijoli

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RIJOLI, BLOCK- JAGAT, 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 - 14	9	Clay kankar	
3.	14 - 19	5	Medium sand	Medium
4.	19 - 30	11	Clay kankar	
5.	30 - 51*	21	Medium sand	Medium
6.	51 - 59	8	Clay kankar	
7.	59 - 80*	21	Medium sand	Medium
8.	80 - 85	5	Clay kankar	
9.	85 - 88	3	Fine sand	Medium
10.	88 - 96	8	Clay kankar	
11.	96 - 106*	10	Medium sand	Medium
12.	106 - 110	4	Clay kankar	
13.	110 - 122*	12	Medium sand	Medium
14.	122 - 131	9	Clay kankar	
15.	131 - 136*	5	Medium sand	Medium
16.	136 - 140	4	Clay kankar	

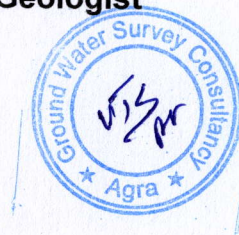
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Conclusions and Recommendations :-

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.

Geologist



Rio a
 N16 (SN)
 N64 (LN)
 LAT
 Logging Details:
 Logging GP Rigol Block
 Jagat Dutt Budaun
 UP LOGGINGUP
 26 Nov 2023
 10:14
 Umesh Gupta (AG)

Logger Site:
 IGIS/S/02/22-23

Logger Model:
 SP (m V)

Logger Model:
 DMPL-2

Logger Owned by:
 GROUND WATER
 SURVEY
 CONSULTANCY
 AGRA, UP, INDIA

