

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2484

Date:-04-01-2024

NAME OF SITE

GRAM PANCHAYAT- Mubarakpur BLOCK- Usawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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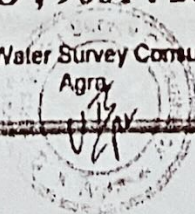
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MUBARAKPUR, BLOCK- USAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

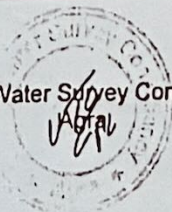
A Deep bore hole was drilled 150 mtrs. depth. and Logged depth 145 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 04.Jan.2024.

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	Clay kankar	
3.	20 - 27	7	Medium sand	Medium
4.	27 - 37	10	Clay kankar	
5.	37 - 43	6	Medium sand	Medium
6.	43 - 50	7	Clay kankar	
7.	50 - 61*	11	Medium sand	Medium
8.	61 - 66	6	Clay kankar	
9.	66 - 70*	4	Medium sand	Medium
10.	70 - 80	10	Clay kankar	
11.	80 - 85	5	Fine sand	Medium
12.	85 - 101	16	Clay kankar	
13.	101 - 117*	16	Medium sand	Medium
14.	117 - 125	8	Clay kankar	
15.	125 - 133*	8	Fine to Medium sand	Medium
16.	133 - 145	12	Clay kankar	

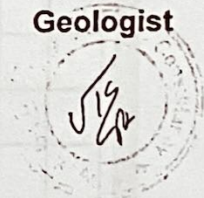
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Conclusions and Recommendations :-

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



Rho a
 NI6 (SN)
 NS6(LN)
 LAT
 Logging Device:
 Logging Software: Sur
 Data Logger: Data Logger
 OF: OGGING
 11 21
 Version: 6.22a A2

Logger's No:
 KGS/SQA/21-22

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

