

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-11

Date:- 13-04-2024

NAME OF SITE'1111

Gram Panchayat- Scheme Indrie

BLOCK- Kadarchowk

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV

Badaun



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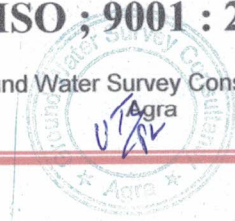
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SCHEME INDRIE, BLOCK- KADARCHOWK, 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.

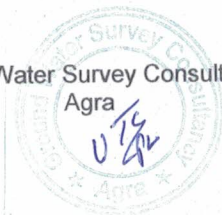
On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 13.April.2024.

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 - 12	7	Fine to Medium sand	
3.	12 - 24	12	Clay kankar	
4.	24 - 32*	8	Medium sand	Good
5.	32 - 45	13	Clay kankar	
6.	45 - 51*	6	Fine to Medium sand	Good
7.	51 - 61	10	Clay kankar	
8.	61 - 66*	5	Fine to Medium sand	Medium
9.	66 - 77	11	Clay kankar	
10.	77 - 85*	8	Fine to Medium sand	Medium
11.	85 - 97	12	Clay kankar	
12.	97 - 119	22	Fine to Medium sand	Med to Marginally saline
13.	119 - 130	11	Clay kankar	

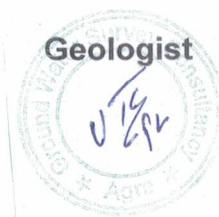
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Conclusions and Recommendations :-

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 tube well.
3. The Quality of water is expected Medium to Marginally saline.
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.



Rho a
 N 16(SN)
 N 64 (LN)
 LAT
 Location:
 Logging of Scheme
 Indira Buss Kadambok
 Dist Budhan
 Log No.:
 UP LOGGERSIP
 Date: 13 Apr 2004
 Time: 17:18
 Operator:
 Umarch Gupta (AG)
 Well Depth:
 logger SI No.:
 IGIS/S/01/10-11
 logger Model:
 DMP-L-2
 logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

