

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 680

Date:- 26-08-2022

NAME OF SITE

Gram Panchayat- Girdharpur

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

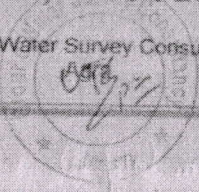
M/s PNC-SPML-JV
Badaun



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- GIRDHARPUR, BLOCK- JAGAT, DISTT.- BADAUN

UNDER

JAL JIVAN MISSION

Introduction :

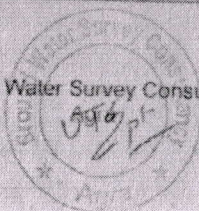
A Deep bore hole was drilled 120 mtrs. depth. and Logged depth 120 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

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 August 2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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 - 17	12	Dry sand & kankar	
3.	17 - 22	5	Clay	
4.	22 - 35	13	Fine sand & Kankar	Good
5.	35 - 40	5	Kankar	
6.	40 - 44	4	Medium sand	Good
7.	44 - 49	5	Clay kankar	
8.	49 - 79*	30	Medium sand	Good
9.	79 - 85	6	Clay kankar	
10.	85 - 88	3	Kankar	
11.	88 - 96	8	Clay kankar	
12.	96 - 110*	14	Fine to Medium sand	Good
13.	110 - 120	10	Clay kankar	

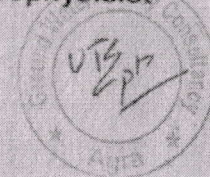
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Conclusions and Recommendations :-

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 Good.
4. Expected discharge is 800 to 900 L.P.M.
5. 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.
6. 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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Plot #
N16 0M
N16 0M
LAT

SP (m/s)

