

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2169

Date:- 07-11-2023

NAME OF SITE

GRAM PANCHAYAT- Harnathpur Urf Talgaon
DISTT- Badaun

BLOCK- Jagat

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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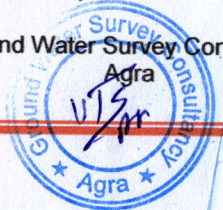
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- HARNATHPUR URF TALGAON, BLOCK- JAGAT,
DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 135 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 07.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 - 10	5	Clay kankar	
3.	10 - 20	10	Dry sand	
4.	20 - 31	11	Clay kankar	
5.	31 - 45	14	Medium sand	Medium
6.	45 - 50	5	Clay kankar	
7.	50 - 53*	3	Medium sand	Medium
8.	53 - 63	10	Clay kankar	
9.	63 - 93*	30	Medium sand	Medium
10.	93 - 105	12	Clay kankar	
11.	105 - 125*	10	Medium sand	Medium
12.	125 - 130	5	Clay kankar	

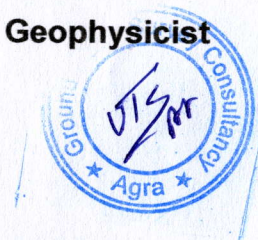
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Conclusions and Recommendations :-

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.

Geophysicist



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Rhino a

- █ N16 (SN)
- █ N64 (LN)
- █ LAT

Logging Details:

Logging GP: Hamathpur, Urf
 Tageri, Becklagar, Ditt
 Budan
 DOWN LOGGINGDOWN
 07 Nov 2023
 18:12
 Utaradh Gurza (AG)

Logger SI No: IGIS/S/01/21-22

Logger Model: █ SP (m V)

DMP L-2

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

