

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-2221

Date:- 23-11-2023

NAME OF SITE

GRAM PANCHAYAT- Ruppur

BLOCK- Jagat

DISTT- Badaun

NAME OF AGENCY

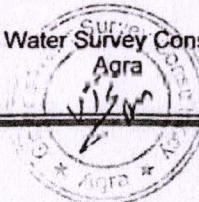
M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY
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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- RUPPUR, BLOCK- JAGAT, 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 23.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 - 20	15	Dry sand	
3.	20 - 25	5	Clay kankar	
4.	25 - 31	6	Medium sand	Medium
5.	31 - 36	5	Clay kankar	
6.	36 - 51*	15	Medium sand & kankar	Medium
7.	51 - 67	16	Clay kankar	
8.	67 - 85*	18	Medium sand	Medium
9.	85 - 91	6	Clay kankar	
10.	91 - 95*	4	Fine to Medium sand	Medium
11.	95 - 104	9	Clay kankar	
12.	104 - 115*	11	Fine to Medium sand	Medium
13.	115 - 130	15	Clay kankar	

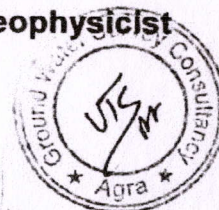
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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta 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.
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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Rho a
 N16 (SN)
 N64(LN)
 LAT

Logging Details
 Logging of 67 Kgs/mt 3' rock
 - Agart Dant Bhuban
 US COGNICUS
 23 Nov 2013
 10:13
 Umanth Ganta (AG)

Logger S No.
 IGIS/S/02/22-23

Logger Model
 DMP-2

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

