

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2269

Date:- 29-11-2023

NAME OF SITE

GRAM PANCHAYAT- Rohan

BLOCK- Ambiyapur

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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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- ROHAN, BLOCK- AMBIYAPUR, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 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 29.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 - 15	10	Dry sand	
3.	15 - 28	13	Clay kankar	
4.	28 - 35	7	Medium sand	Medium
5.	35 - 38	3	Clay kankar	
6.	38 - 40	2	Medium sand	Medium
7.	40 - 44	4	Clay kankar	
8.	44 - 47	3	Medium sand	Medium
9.	47 - 63	16	Clay kankar	
10.	63 - 71*	8	Medium sand	Medium
11.	71 - 76	5	Clay kankar	
12.	76 - 88*	12	Medium sand	Medium
13.	88 - 91	3	Kankar	
14.	91 - 105*	14	Medium sand	Medium
15.	105 - 110	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.

Geologist



Rho a
 N16 (SN)
 NG4(LN)
 LAT

Logging Details:
 Logging Station No: _____
 Agency: Drr Sankar
 UP LOGGING UNIT
 28 Nov 2023
 22:43
 Unnao Ganga (AG)

Logger S/N: _____
 IGS/S/02/22-23

SP (m V)
 Logger Model: _____
 DMP1-2
 Logger Owned by:
 GROUND WATER SURVEY CONSULTANCY
 AGRA, UP, INDIA

