

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-19

Date:- 26-04-2024

NAME OF SITE

Gram Panchayat- Bankota

BLOCK- Wazirganj

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- BANKOTA, BLOCK- WAZIRGANJ, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

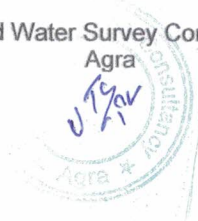
A Deep bore hole was drilled 145 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 26.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	Clay kankar	
3.	12 - 20	8	Dry sand	
4.	20 - 32	12	Clay kankar	
5.	32 - 46	14	Medium sand	Medium
6.	46 - 51	5	Clay kankar	
7.	51 - 55*	4	Medium sand	Medium
8.	55 - 69	14	Clay kankar	
9.	69 - 80*	11	Medium sand	Medium
10.	80 - 84	4	Clay kankar	
11.	84 - 88*	4	Medium sand	Medium
12.	88 - 91	3	Clay kankar	
13.	91 - 98*	7	Medium sand & kankar	Medium
14.	98 - 115	17	Clay kankar	
15.	115 - 117	2	Sandy clay	
16.	117 - 132	15	Clay kankar	
17.	132 - 138*	6	Medium sand	Medium

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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.
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
 NI6 (SN)
 NI64(LN)
 LAT

Logging Details:
 Logging Unit: Baran
 Block/Waterq: Dist:
 Baran
 UP: LOGGANGUP
 26 Apr 2024
 16:13
 Udhav Gupta (AG)

Logger S1 No:
 IGIS/S/01/10-11

Logger Model:
 SP (m V)

DMPL-2

Logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

