

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-37

Date:- 03-05-2024

NAME OF SITE`1111

Gram Panchayat- Barkheda

BLOCK- Bisauli

DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



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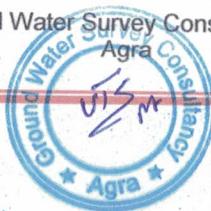
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

(M) : 9412260823, 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARKHEDA, BLOCK- BISAULI, 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 03.May.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 - 18	3	Dry sand	
3.	18 - 30	12	Clay kankar	
4.	30 - 36	6	Medium sand & kankar	Medium
5.	36 - 45	9	Clay kankar	
6.	45 - 53*	8	Medium sand	Medium
7.	53 - 59	6	Clay kankar	
8.	59 - 76*	17	Medium sand	Medium
9.	76 - 80	4	Clay kankar	
10.	80 - 100*	20	Medium sand	Medium
11.	100 - 108	8	Clay kankar	
12.	108 - 110*	2	Fine to Medium sand	Medium
13.	110 - 128	18	Clay kankar	
14.	128 - 130*	2	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
 N16(SN)
 N64(LN)
 LAT
 Logging Details:
 Logging of Sandeela Block
 Bawal Dist Bundel
 UP (GGANGUP
 03 May 2024
 10:51
 Uthman Gupta (AG)

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

Logger Model:
 SP (m V)

DMPL-2
 Logger Owned by:
 Ground Water
 Survey Consultancy
 Agra UP India

