GROUND WATER SURVEY CONSULTANCY GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTOLOGGING REPORT

Ref No:-A-509

Date:- 22-03-2023

NAME OF SITE

GRAM PANCHAYAT - Ghilaur

BLOCK- Dataganj DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV Badaun



GROUND WATER SURVEY CONSULTANCY

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

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- GHILAUR, BLOCK- DATAGANJ, DISTT- BADAUN UNDER JAL JIVAN MISSION

Introduction :

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A Deep bore hole was drilled 130 mtrs. depth. and Logged depth 120 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 22.Mar.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major equifer 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	Thickness(m)	Lithology	Expected
	range(m)			Water Quality
1	0 - 5	5	Surface soil	
2.	5 - 8	3	Dry sand	
3.	8 - 15	7	Fine sand	
4.	15 - 20	5	Clay kankar	
5.	20 - 35	15	Medium sand	Medium
6.	35 - 40	5	Clay kankar	
7.	40 - 63*	23	Medium sand	Medium
8.	63 - 73	10	Clay kankar	
<u> </u>	73 - 77	4	Fine sand	Medium
10.	77 - 83	6	Clay kankar	
11.	83 - 87*	4	Medium sand	Medium
12.	87 - 90	3	Clay kankar	
12.	90 - 110*	20	Medium sand	Medium
13.	110 - 120	10	Clay kankar	

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Conclusions and Recommendations :-

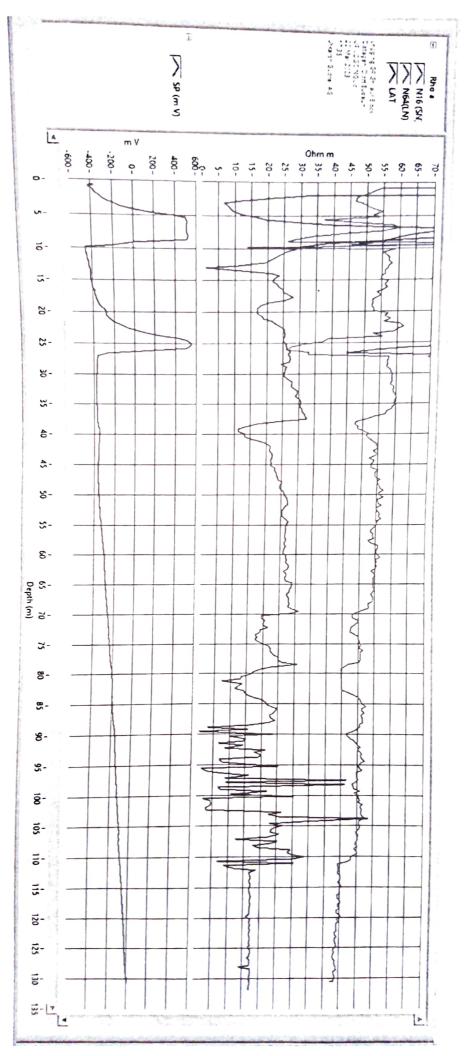
- 1. The Lithology broadly tallies with that of drill cutting starta chart.
- 2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
- 3. The Quality of water is expected Medium.
- 4. It is recommended to have a chemical and bacteriological analysis of 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.



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