

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-B-458

Date:- 12-05-2023

NAME OF SITE

GRAM PANCHAYAT- Sirsa Kalan

BLOCK- Gangeshwari

DISTT- Amroha

NAME OF AGENCY

M/s PNC-SPML-JV
Amroha



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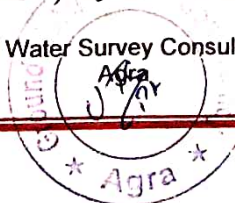
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SIRSA KALAN, BLOCK- GANGESHWARI, DISTT- AMROHA
UNDER
JAL JIVAN MISSION

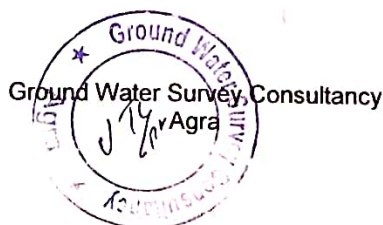
Introduction :

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, Amroha.

On the request of M/S PNC-SPML-JV, Amroha. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 12.May.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 - 30	25	Fine to Medium sand	Medium
3.	30 - 45	15	Clay kankar	
4.	45 - 56*	11	Medium sand	Medium
5.	56 - 63	7	Clay kankar	
6.	63 - 76*	13	Medium sand	Medium
7.	76 - 88	12	Clay kankar	
8.	88 - 98*	10	Medium sand	Medium
9.	98 - 110	12	Clay kankar	
10.	110 - 130*	20	Medium sand	Medium



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.

Geophysicist



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Rho a
 N16 (SN)
 N64(LN)
 LAT
 Logging M sura
 Jalan Blok
 gangaswari dist
 amroha
 LOGGING
 12 May 2023
 16:52
 moelit

SP (m V)

