



GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

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Ref No.....26.....

Date...14-30/9-21.....

REPORT ON GEOPHYSICAL WELL LOGGING

for
UTTAR PRADESH JAL NIGAM, LUCKNOW
VILLAGE - NEWLI BASA BLOCK - SARILA DISTT. - HAMIRPUR
JULY 2021

Introduction :

A deep bore hole drilling depth 39 mtrs. & depth logged 37 mtrs. was drilled by M/S PNC & SPML, Hamirpur. at above site. On the request of M/S M/S PNC & SPML, Hamirpur. conducted a Geophysical well Logging in the above bore hole using IGIS Well Logger on 14 July 2021.

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:-

<u>S.N.</u>	<u>Defth range(m)</u>	<u>Thickness(m)</u>	<u>Lithology</u>	<u>Expected Water Quality</u>
1.	0 -5	5	Surface clay	
2.	5 - 24	19	Clay kankar	
3.	24 - 33*	9	Fine to med sand	Good
4.	33 - 37	4	Clay kankar	

Specializations In

Electric Well Logging, Geophysical Survey, Resistivity Survey, Rainwater Harvesting, Construction of Recharge Well, Rectification of Tubewells, Ground Water Investigations.

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 Good.
4. Expected Discharge is 100 to 120 L.P.M.
5. 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.

*JTS
GPT*

Geophysicist

Ground Water Survey Consultancy