



GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006
Ph : 0562 - 4058694 (M) 9794625420, 9761163000, Email : gwsc_agra@yahoo.com

Ref No.....12.....

Date.....04-07-2021.....

REPORT ON GEOPHYSICAL WELL LOGGING

for
UTTAR PRADESH JAL NIGAM, LUCKNOW
VILLAGE - JAMKHURI BLOCK - GOHAND DISTT. - HAMIRPUR
JULY 2021

Introduction :

A deep bore hole drilling depth 64 mtrs. & depth logged 61 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 04 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 - 11	6	Clay kankar	
3.	11 - 14	3	Sandy Clay	
4.	14 - 18	4	Clay kankar	
5.	18 - 21	3	Sandy Clay	
6.	21 - 27	6	Clay kankar	
7.	27 - 30	3	Sand & Kankar	Medium
8.	30 - 61	31	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 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.

U K apt

Geophysicist

Ground Water Survey Consultancy