



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

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REPORT ON GEOPHYSICAL WELL LOGGING for UTTAR PRADESH JAL NIGAM, LUCKNOW VILLAGE - TAGARI BLOCK - MUSKARA DISTT. - HAMIRPUR JULY 2021

Introduction :

A deep bore hole drilling depth 45 mtrs. & depth logged 43 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>Depth 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 - 20	9	Fine to medium sand	
4.	20 - 30	10	Clay kankar	
5.	30 - 33*	3	Kankar	Medium
6.	33 - 38	5	Clay kankar	
5.	38 - 43*	5	Soft Weathered Rock	Medium

Specializations In

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