

TAPPING NATURE'S LAWS FOR FREE POWER GENERATION - TOWARDS A MORE SUSTAINABLE FUTURE FOR MANKIND

Paramahamsa, TEWARI



Former Executive Director (Nuclear projects) of the Nuclear Power Corporation of India, PARAMAHAMSA TEWARI (b.1937) is the engineer who formulated the Space Vortex Theory, which strengthens the existing foundation of classical physics and points toward an alternative in quantum physics. After initial training at Douglas Point Nuclear Project in Canada, he held responsible positions in large nuclear projects construction in India. Paramahamsa Tewari is the former project Director of the Kaiga Atomic Project. His breakthrough development of the space power generators has now led to the invention of Reaction Less Generator. He has lectured in International Conferences in USA, Germany, Italy and Japan and is the author of numerous books and papers in the field.

It is a matter that asks for serious thinking as to how we have consumed fossil fuel resources for our energy needs to such an extent that extinction of these fuels is a peril humankind is bound to face in the not too distant future. Industrialization, since the last century, took place at a rapid pace, demanding fast growth in power generation. Today, the world's energy requirements are more pressing than ever. The energy needs of emerging economies (in addition to those of the developed world) for industrial and economic growth -- and the developmental and welfare needs of their populations -- are dependent on their ability to provide greater resources for energy. Clearly, fossil fuels are not the answer, given their wastefulness, limitedness, and their known environmental impact. Instead, as is widely being recognized, the search is on for new advances in sustainable energy resources and technologies. One such breakthrough, in this case in electric power generation, is outlined below. At the time when Faraday formulated the law of electromagnetic induction, Emil Lenz got an insight (into the phenomenon of induction) that during electromagnetic induction when a conductor is moved across a magnetic field, the direction of the current induced is such that it opposes the movement of the conductor. This came to be known as Lenz's Law, considered to be the equivalent of the Law of Conservation of Energy (LCE). There is no challenge to LCE in processes under thermodynamics and mechanics. However, in electrodynamics, Lenz's Law has been violated through simple experiments by a few, though their voices have not been heard. Ever since the development of electrical

generators, due to Lenz's Law, electrical generators consume far more input than output. This strange phenomenon, which engineers have now been familiar with for more than a century, can be bypassed by nullifying the armature reaction of electrical generators. My own experiments have shown that the time is ripe for building electrical generators (AC, single phase generators to start with) that will multiply power, twice, thrice, or even more. And if power can be multiplied in such generators -- named Reaction-Less Generator (RLG) -- then it opens-up a so far unknown (though not unheard) technology of self-running engines! Imagine the world with 10 to 100 kW RLGs, operating in small towns and rural areas, requiring power only to start these machines, and delivering free power to drinking-water and irrigational projects, essential loads such as schools and hospitals, or in a variety of other environments, be they cottage industries or community centers. These machines would not remain limited only to small capacity. Further research and development would make possible the manufacture of even larger units in a few MW capacity. Thus, in the bigger picture, the socio-economic advancement and aspirations of millions around the globe would be facilitated through more sustainable means; today's dying ecologies on Earth could be restored in due course of time; and humans could inhabit the planet in peace for long times to come. The need is urgent today for nations to take seriously, and explore and invest-in speedily, the research and development of alternative energy technologies such as the RLG.

