

Energy Management Centre (EMC) is Promoting energy conservation in all sectors of the economy

The world as we know it has been undergoing severe degradation in terms of climate change and global environmental crisis for decades now. Energy crisis, global warming, etc., have become constantly discussed topics among world-leading nations. There has been increased attention from leading countries across the globe in the last decade on the management of energy resources and the global environmental crisis. Several innovative action plans have been advised and tested to tackle the growing issue. There have been constant interventions at all levels to improve conservation efforts. India, too, has shifted its focus of development in new terms of sustainable development, which promotes development activities without adversely affecting the environment. Joining these efforts, Kerala was the first state in India to establish an Energy Management Centre in 1996 under the Department of Power. Celebrating the silver jubilee in 2021, the organization has been a crucial element that facilitated development in the state, which is economically and ecologically sustainable.

Over the years, the agency has been working towards restructuring the energy sector to

support sustainable development efforts in the state. The agency focuses on developing innovative and comprehensive action plans to expand the energy sector as an essential stimulus for developing the state's economy. EMC has developed critical solutions for energy conservation and made steps towards developing technology related to energy management and protection in the form. EMC has been focusing on critical areas such as energy resource management, modernization and conservation of energy-efficient technologies, and spreading awareness to the public regarding the inevitability of energy conservation in the state. This autonomous institution has worked hand-in-hand with central and state-level institutes to drive energy conservation efforts and implement projects in this domain. The agency has been instrumental in making the energy-conscious efforts of the national popular among the masses.

EMC aims to achieve sustainable development by developing total energy efficiency and applying renewable energy and eco-friendly energy systems in all sectors of the economy. The agency makes continuous efforts to develop comprehensive

strategies and frameworks for public participation in energy conservation, especially for women and youth in the state. The institution also aims to create a state-of-the-art data bank that incorporates all aspects of energy management, considering energy as a basic infrastructure facility. Innovations to develop energy efficiency standards in various sectors of the economy by understanding energy intensity and energy efficiency levels are also a key focus of the organization's action plan. New plans have also been initiated to spearhead awareness programs in the state that ensure the general public gets a clear idea of the energy crisis and ensures increased participation from the masses.

One of the key global innovations to fight the energy crisis has been the development of electric vehicles. The idea was made practical in the 1980s but failed to gain substantial public consensus due to the abundant availability of other fuels. But in the last decade, the significance of electric vehicles has increased. Key players in the automobile industry are gearing up their production to make more electric vehicles available to the public. There is a significant

increase in the adoption of electric vehicles in the state. Major players like TATA Motors have already introduced a long line of electric cars. Several two-wheeler companies have also raised their electric vehicles in 2021. This is a clear indication of the recognition the energy crisis and environmental issues are gaining globally. The central government has also initiated a 'go-electric' campaign to promote the adoption of electric vehicles. In addition to this, changes have already been made announced by the central government in the electrical vehicles policy 2019 to facilitate a smoother transition to electric vehicles.

EMC would be the key agency that will handle the activities related to promoting electric vehicle policy in the state. The organization will handle the development of infrastructure for the electric vehicle industry and campaigns to promote the use of electric vehicles. Through continuous efforts, EMC would be instrumental in contesting the newer concerns of the global energy crisis and climate change in the state. EMC will help improve the state's energy management and sustainability and boost our economy in the coming years.