

ERAM SCIENTIFIC SOLUTIONS DEVELOPS SOLAR-POWERED FUTURISTIC STREET LAMPS



Kochi: Eram Scientific Solutions, one of the pioneers in making e-toilets in the country, has expanded its footprint in the energy-saving, cost-efficient technology vertical by developing centralised remote-controlled solar energy- powered street lamps under the brand name 'Ecosis'. Eram Scientific is part of the Saudi-based **Eram Group**, which is led by **Dr. Siddeek Ahmed** and has major presence in GCC nations.

The Thiruvananthapuram-based firm has developed the new product by giving priority to public security and cost efficiency. This innovative product using disruptive technology will be installed mainly in public places such as parks, roads etc., the company said in a statement. Since the new technology is fully powered by solar energy, it is completely independent of grid-connected power supply. The lamps works on a technology platform with pre-set timers to automatically switch on and off the facility thus saving energy and manpower, and maintenance cost. The newly-designed lamps do not require any manpower for operating them as they can be monitored and maintained from a distance using remote sensing technology, the statement said.

The technology also takes note and records timing, energy consumption and duration of lamps in operation as well as detect and rectify any kinds of defects. Based on these operational data, the company can fine-tune the working of the lamps if and when required. The firm has developed add-ons services such as mobile applications and web-based applications to monitor, maintain and control the operation of the new product thus overcoming the shortcomings of traditional streetlamps. The company has decided to deploy the solar-powered street lamps running on novel technology throughout the country in association with various government agencies, civic bodies and non-governmental organisations.

The company has successfully installed and tested its first solar street lamp at Thiruvananthapuram Museum recently and the authorities concerned had tested and verified the efficacy of the technology. S Narayanaswamy, Director, ESS, said that the company's new product can overcome all the shortcomings of the traditional street lamp now used widely across the country. "Apart from ensuring public safety during night time, the Ecosis will also help save precious energy in a big way. Since the lamps work on a fully automated

platform, there is no need for any manpower to operate and maintain the product, thus minimising the recurring cost,” he added.

ESS has already made a mark in the sanitation space by installing more than 2,200 e-toilets across the country, including in schools. The company is now eyeing to expand its footprint in sanitation space with its fully-automated e-toilets to existing and upcoming Smart Cities. The company has already set up e-toilets in places such as Navi Mumbai, Visakhapatnam, Chennai, Dharmasala, Belgaum and Madurai