

**TECHNOLOGY DEVELOPMENT BOARD**  
**[A STATUTORY BODY OF DEPARTMENT OF SCIENCE & TECHNOLOGY]**

Technology Development Board (TDB) has entered into an agreement on 23<sup>rd</sup> March, 2017 with M/s. Energos Technologies Pvt. Limited, Mumbai for financial assistance for a project title “Changing Energy Habits”.

The use of Information and Communication Technologies (ICT technologies) in monitoring and controlling of energy usage, leading to energy savings is becoming an important aspect in homes, offices, organizations. Further, Internet of Things, Cloud and Data Analytics together do help in Energy Savings Infrastructure. The proposal from Energos is in fact focusing on the use of these latest trends in ICT technologies to achieve Energy savings.

Energos initial efforts are based on usage of hardware and software components developed by it to manage the energy across multiple locations of a company. It develops data sciences and manufactures self-thinking IOT devices for energy saving. The self-learning intelligent device reduces cost of operating Air-conditioners and other energy consuming equipment.

Business Model developed by Energos contemplates positioning of the Equipment at the premises of the End-user without any cost on the latter. The financial returns would commensurate with the proven energy savings. This seems to be a novel Business Model. Energos has successfully carried-out implementations across different offices of AXIS Bank, ICICI Bank, Cafe Coffee Day. And it now plans to further develop this product with additional features to suit other verticals like Retail Segment, Food Chain, Hospitality, Health, as well as for Residential / Commercial Buildings as also Industrial Sectors to facilitate Energy Saving Services on a SaaS Model under its present project with the support of TDB.

Efficient use of Energy and its conservation assumes even greater importance in view of the fact that one unit of Energy saved at the consumption level reduces the need for capacity creation. Further, such saving through efficient use of energy can be achieved at significantly lower investment on capacity creation. Energy efficiency would therefore, significantly supplement the efforts to meet power requirement.

Even if a greater proportion of India’s energy comes from low or even zero-carbon energy sources like solar and other renewable, India’s overall carbon emissions are still projected to double by 2040. The unique indigenous technology being built by Energos, will help organizations to reduce their carbon footprint, while also reducing energy cost and meeting compliance requirements.



**Exchanging the Loan Agreement with M/S Energos Technologies Pvt. Limited, Mumbai**