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## CSIR-SERC, Chennai signs a technology licensing agreement with IAC Electricals Private Limited, Kolkata for the Emergency Retrieval System for Power Lines

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Council of Scientific and Industrial Research (CSIR)'s Chennai based constituent laboratory Structural Engineering Research Centre (SERC) has signed an agreement for licensing of the Emergency Retrieval System(ERS) technology for restoration of power within short duration with M/s. IAC Electricals Private Limited, Kolkata. The agreement was signed by Dr. (Smt.) N. Anandavalli, Director, CSIR-SERC, Chennai and Mr. Kemparaju, Assistant Vice President, IAC Electricals Private Limited, Kolkata.



ERS is a lightweight modular system that is used as temporary support structure to restore power immediately after the collapse of transmission line towers during natural calamities such as cyclone/earthquake, or manmade disruptions. ERS can be assembled quickly at the disaster site for restoration of power in 2-3 days, whereas the permanent restoration may take several weeks. This development is very significant as failure of transmission lines severely impact lives of common people and causes huge monetary loss to the power companies. As the total losses/damages are directly proportional to the outage duration, time is a crucial factor in reinstating or remediating the damaged/fallen structures. At present the ERS systems are imported. There are very few manufacturers across the world and the cost is relatively high. This technological development will enable the manufacturing in India which will be an import substitute and will cost about 40% of imported systems.



The agreement was exchanged between Dr. (Smt.) N. Anandavalli, Director, CSIR-SERC and Shri. Adarsh Garodia, Managing Director M/s. IAC Electricals Private Limited, Kolkata. Dr. K. Sathish Kumar, Chief Scientist and Head, Business, Knowledge Management & Development Division, CSIR-SERC, Dr. S. Parivallal, Chief Scientist and Advisor (Management), Dr. M.B. Anoop, Chief Scientist and Head, Tower Testing and Research Station, Dr. P.Harikrishna, Chief Scientist and Head, Wind Engineering Laboratory, Dr. Rajendra Pitambar Rokade, Senior Principal Scientist, CSIR-SERC inventor of the technology were present during the occasion.



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