

Nissin Electric's Proposal for a Micro Substation to Realize Highly Efficient Power Supply in India Adopted for a Demonstration Project

—Contributing to stabilizing power supply in non-electrified areas under a NEDO international demonstration project—

Nissin Electric Co., Ltd. made a proposal for pre-demonstration surveys under the International Demonstration Project on Japan's Energy Efficiency Technologies, which was invited by the New Energy and Industrial Technology Development Organization (NEDO) through a public tender. Nissin Electric's theme, "Demonstration Research Using a Micro Substation to Achieve Highly Efficient Power Supply in Areas Without a Power Grid (in India)," has been adopted by NEDO. On December 2, an online handover ceremony was held.

This demonstration project aims to achieve stable power supply in non-electrified areas where the power grid has not been fully developed in the emerging countries, including India. In this project, we will construct a micro substation that can directly convert power of extra high-voltage power transmission lines to low voltage by using Power Voltage Transformer (PVT) that has realized a large capacity for power supply. The aim is to supply stable power inexpensively to areas where the power grid is not yet developed.

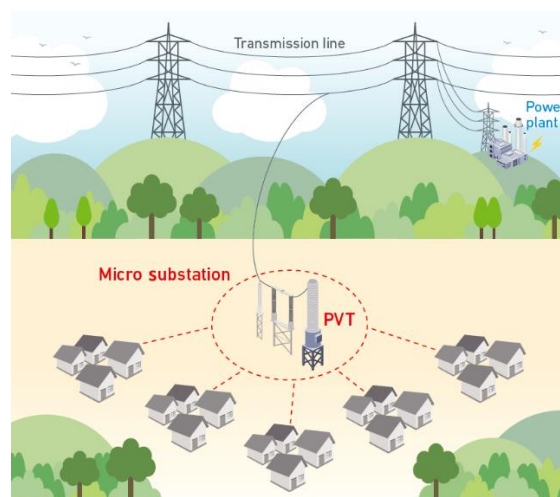


Image of a micro substation to be constructed

Nissin Electric has been working on this demonstration project since FY2018. In FY2019, Nissin Electric's proposal for surveys of suitability of demonstration requirements under the International Demonstration Project on Japan's Energy Efficiency Technologies, which was solicited by NEDO through a public tender, was adopted. Nissin Electric developed a basic design for the micro substation and conducted a feasibility study on dissemination in India under the project.

This fiscal year, a pre-demonstration survey will be conducted. Based on the results obtained through a survey of suitability of demonstration requirements, the equipment specifications, detailed plan, and subsequent business plan will be studied, and feasibility of the demonstration research and possibility of spreading the technology will be closely examined. With the proposal having been adopted for an international demonstration project, Nissin Electric's project will be subsidized by NEDO.

Nissin Electric will work on the demonstration project to deliver sustainable energy to more people.