

EGAT apply the innovation into transmission line operation to save time and cost.

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During 8-10 September 2015, Mr. Visute Chamnanchang, Head of Transmission Line Maintenance Department, Northern Area Division, Electricity Generating Authority of Thailand (EGAT), leads the team to operate on the detour of 230 kV transmission line between Mae Mo 4 and Phitsanulok 2 by using Emergency Restoration System from Canada in order to accommodate the new under constructed Phomphiram high voltage substation. The Phomphiram substation, which is constructed by E A Solar Phitsanulok Company, is connected to the 90 megawatts solar plant project in Phomphiram, Phitsanulok.

Mr. Visute said that Transmission Line Maintenance Department, Northern Area Division is responsible for the maintenance of all transmission lines in Northern area to ensure the reliability and efficiency of electricity transmission to end users. For this new construction of Phomphiram substation, it is required to build two new tower foundations which are located under the existing transmission line. Therefore, to construct these two new tower foundations, it is necessary to make the detour of the line in order to keep transmitting the electricity and not affect electricity usage of end users.

"In this operation, we have developed the team to work with the Emergency Restoration System from Canada and this is the first time that EGAT use this system. We have to stretch the line out for 13 meters by using the Emergency Restoration System. This system does not require the tower foundation construction. This helps EGAT save millions of Thai Baht and also save the working time. Moreover, we also arrange the training for the Emergency Restoration System installation in order to accommodate if there is any tower collapse incident. This system will help enhance the reliability of electricity transmission in Northern area." Mr. Visute said.

