

Target Countries : Countries to introduce advanced technology of coal-fired power generation.

Course No. : 201984586-J002

No. : 201984586

Sector : Natural Resources and Energy/Energy Supply

Sub-Sector :

Language : English

Outline

The course introduces Japanese advanced technology of high efficiency thermal power generation, such as Ultra Supercritical Coal-fired power generation (USC), Advanced Ultra Supercritical Coal-fired power generation (A-USC), Integrated Gasification Combined Cycle (IGCC) and Gas Turbine Combined Cycle (GTCC) technology.

Objective/Outcome	Target Organization / Group	
<p>【Objective】 The participants understand Japanese advanced technology of high efficiency thermal power generation, such as USC, A-USC, IGCC and GTCC Technology. It also focuses on the environmental measures. They will be able to plan to promote those technology in their countries.</p> <p>【Outcome】</p> <ul style="list-style-type: none"> • To understand technology for high efficiency and low carbonization of USC, A-USC, IGCC and GTCC • To understand the facilities for high efficiency thermal power generation and environmental measures (DeNOx, DeSOx) • To understand the necessary skill and cost on the installation, operation and maintenance of those high efficiency thermal plant. • To formulate action plan by applying knowledge gained by the training course. 	<p>【Target Organization】 Governmental ministries/agencies in charge of power and energy policy planning and implementation or generation development.</p> <p>【Target Group】 Managerial official or equivalent. Bachelor or equivalent. Fluent in English.</p>	
<p>Contents</p> <ul style="list-style-type: none"> • Job report presentation • Lectures & site visits: Supercritical Coal-fired power generation (SC), USC, A-USC, IGCC and GTCC technology • Lectures & site visits: manufacturer of high efficiency gas turbine and gas boiler • Lectures on installation, operation and maintenance • Group discussions : status of energy sector in participants' countries and problems for coal and gas fired thermal power generation and high efficient standarization • Preparation and presentation of action plan 	<p>Course Period</p>	<p>2019/8/25~2019/9/18</p>
	<p>Department in Charge</p>	<p>Industrial Development and Public Policy Department</p>
	<p>JICA Center</p>	<p>JICA Kyushu</p>
	<p>Cooperation Period</p>	<p>2018~2020</p>

Implementing Partner Kitakyushu International Techno-cooperative Association

Remarks and Website