

**Target Countries :**

**Course No. :** 201984917-J002

**No. :** 201984917

**Sector :** Environmental Management/Solid Waste Management

**Sub-Sector :**

**Language :** English

**Outline**

The purpose of this training course is to learn fundamental knowledge on waste power generation and on the required solid waste management necessary for waste power generation.

Objective/Outcome	Target Organization / Group	
<p><b>【Objective】</b>                      1. To understand the general process of waste collection, intermediate treatment and final disposal and laws and regulation of the solid waste and industrial waste in Japan.                      2. To find solutions for improving the solid waste management and material circulation in the participants' countries</p> <p><b>【Outcome】</b>                      1) To prepare the country report on the solid waste management                      2) To understand the Japanese technologies on the solid waste management, to study the present status of solid waste management, and to identify their solutions                      3) To consider the possibilities for introducing the waste power generation in terms of the points below, by learning the technology and management method on the waste to energy facilities:                      a) Relation between waste composition and the volume of power to be generated b) GDP                      c) Means of training and recruitment of staff d) Construction cost of the facilities                      e) Combination with other intermediate facilities, e.g. transfer station, recycling facilities.                      4) To understand the pros and cons for introducing the waste power generation plant                      5) To make the action plans considering the decision making procedure in participants' country</p>	<p><b>【Target Organization】</b>                      Central and local government and other public organizations, in charge of solid waste management and introduction of waste power generation.</p> <p><b>【Target Group】</b>                      1. officers belonging in engineering department in charge of solid waste management in the central/ local government and more than 5 years' experience.                      2. be a university graduate, majoring in civil, environmental, chemical and other engineering, or the equivalent</p>	
<p><b>Contents</b></p> <p>1) Preliminary activities                      To prepare the country reports                      2) Training in Japan                      a) the solid waste management in Japan                      b) the laws and regulations concerning the environmental issue                      c) the laws and regulations concerning the solid waste management in Japan                      d) the types of incineration plant                      e) the system of waste power generation                      f) the present status on the thermal recycle in Japan                      g) the high efficiency waste power generation technologies                      h) the volume of power generated per one ton                      i) the utilization methods of the thermal energy                      j) the types and roles of license for managing the waste-based power generation facility                      k) the procedure of the construction of the facilities in Japan (regulated by law)                      l) the citizen consensus building                      m) the subsidization scheme for construction of the facilities in Japan</p>		<p><b>Course Period</b></p> <p>2019/7/21~2019/8/10</p>
	<p><b>JICA Center</b></p> <p>JICA Yokohama</p>	<p><b>Cooperation Period</b></p> <p>2017~2019</p>

**Implementing Partner** Japan Environmental Sanitation Center

**Remarks and Website**