Enhancement of Solid Waste Management Capacity for Waste Power Generation
廃棄物発電導入に向けた廃棄物処理に係わる技術能力向上

Continuing

Target Countries :

Course No. : (A)J1804355/(B)J1804434 **No. :** (A)1884917/(B)1884958

Sector : Environmental Management/Urban Solid Wastes

Sub-Sector :

Language : (A)English/(B)Vietnamese

Outline

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

Objective/Outcome

【Objective】
1. To understand the general process of waste collection, intermidiate 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

【Outcome】
1) To prepare the coutry 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 possilbilities for introducing the waste pawer generation in temrs 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 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 dacision making procedure in participants' country

Target Organization / Group

【Target Organization】
Central and local government and other public organizations, in charge of solid waste management and introduction of waste power generation.

【Target Group】
1. technical officers in charge of solid waste management in the central/local government and more than 3 years experience.
2. be a university graduate, majoring in civil, environmental, chemical and other engineering, or the equivalent

Contents

1) Activities in advance
To prepare the country reports
2) Main contents
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 certificate for managing the waste-based power generation facility
k) the producer of the construction of the facilities
l) the citizen consensus building
m) the subsidization scheme for construction of the facilities in Japan

Course Period	(A)2019/1/27～2019/2/16 (B)2019/3/3～2019/3/23
Department in Charge	Global Environment Department
JICA Center	(A)JICA Yokohama (B)JICA Yokohama
Cooperation Period	2017～2019
Implementing Partner	(A)Under Planning/(B)Under Planning
Remarks and Website	