**ANNEX I**

Country Report

JFY 2022

Please follow the instruction below for your **Country Report**.

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1.　 Objective:

　　This document will be used as a screening material for the overview of the air quality management situation in the participant’s countries. Please describe as precise as possible unless related data is unavailable.

The report should be typewritten in English and submitted together with the Application Form, but as a separate document or an electronic data file.

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2. Contents: Please fill the contents shown below.

3. Length: 1 to 2 pages

4. Data Format: Microsoft Word

5. Submission: **January 30th (Monday), 2023** with your Application Form.

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6.　Point to keep in mind:

The Country Reports will be important information source to enable JICA’s Cooperation activities be more effective for the program participants’ countries. During the Program, the participants will be asked whether they allow JICA to refer the country reports contents for JICA’s relevant studies and operations in the future. The Country Reports submitted from applicants not accepted by JICA will be safely deleted for a copyright concern and shall not be used by JICA.

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**Country Report**

Name:

Country:

Organization / Your position:

E-mail address:

**< Your Organization>**

1. Name of your organization and its main duty

2. Your organization chart (attach in a separate sheet if necessary)

3. Budget and the number of staff members related to air quality management in your organization

**< Air Quality Management >**

4. Air quality management legislations and their contents (attach laws/regulations in a separate sheet if necessary)

5. Role of central government and local government for air quality management respectively (explain here or in ANNEX II)

1. Ambient air quality standards and exiting problems (explain here or in ANNEX II)
2. Measurement of air pollutants and monitoring systems for air quality (by whom? how? and how often?) (explain here or in ANNEX II)

8. Usage of air quality management tools such as:

- Atmospheric dispersion models;

- Emission inventory;

- Particulate Matter (PM10 and PM2.5) speciation; and

- Recent models.

**< Issues surrounding Air Quality >**

9. Historical background of air quality control in your country

10. Present status of air quality in your country (in big cities and in country side)

11. Main sources of air pollution (what kind of industry? what kind of transport?) (explain here or in ANNEX II)

12. The number of complaints and health damage (ex. number of patients) caused by air pollution.

13. Challenges for implementing air quality management

**< Issues to be Focused on >**

14. Idea of topics you would like to describe in your Action Plan (see the Annex III)

|  |
| --- |
| **Important Notice for Your Presentation**   * The accepted participants are expected to deliver a 15-minute presentation based on the Country Report in the first week of this program. * In the presentation, please briefly explain the background information on your country, your organization and your job. Please put your emphasis on the problems your organization is facing, and possible solutions for that. * The important part of the presentation is to share your experiences with Japanese experts and participants from other countries. * Country Report is an important information source for JICA as well as other participants. JICA might refer to the content of your Country Report in JICA’s relevant studies. |

**ANNEX II**

1. Jurisdictions of Central and Local Government in Air Quality Management Administration

Please clarify the roles of central government, regional government (province or state) and local government (municipality) for the regulation of air pollution in your country. (Please fill in the check mark on the responsible organization.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Responsibility of Administration | Central Government | Regional Government  (Province or State) | Local Government (Municipality) | Other Organization  (Public or Private) |
| Strategy and plan for air quality management and pollution control | Designation of responsibilities among authorities and institutional arrangement |  |  |  |  |
| Preparation of strategy and plan for air quality management and pollution control |  |  |  |  |
| Preparation of related analytical works and tools for decision making such as Emission Inventory and Simulation Modeling |  |  |  |  |
| Legal and regulatory framework | Preparation of Law and Regulation |  |  |  |  |
| Preparation of Guidelines |  |  |  |  |
| Setting of related Standards |  |  |  |  |
| Ambient air quality monitoring | Preparation of Ambient Air Quality Monitoring Plan (National and Sub-National Level) |  |  |  |  |
| Installation of Equipment for Ambient Air Quality Monitoring (National and Sub-National Level) |  |  |  |  |
| Related laboratory works for Ambient Air Quality Monitoring (National and Sub-National Level) |  |  |  |  |
| Data evaluation of Ambient Air Quality Monitoring (National and Sub-National Level) |  |  |  |  |
| Data dissemination and utilization of Ambient Air Quality Monitoring (National and Sub-National Level) |  |  |  |  |
| Emission source monitoring | Emission source monitoring of stationary sources such as power plants, factories and incinerators |  |  |  |  |
| Emission source monitoring of mobile sources and related fugitive sources such as roads dust and gas stations |  |  |  |  |
| Emission source monitoring of area sources and others such as open burning and households emissions |  |  |  |  |
| Emission control (voluntary or mandated) , inspection, administrative guidance and law enforcement | Stationary sources such as power plants, factories and incinerators |  |  |  |  |
| Mobile sources and related fugitive sources such as roads dust and gas stations |  |  |  |  |
| Area sources and others such as open burning and households emissions |  |  |  |  |

2. Please fill in Ambient Air Quality Standards, currently measured values and countermeasures to achieve the Standards in your country.  
Fill in the Current Annual Average with the value of your country or the area under your direct control.

Year: 　 Country: Area:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Unit  (ppm or mg/m3) | Standard Value | | Current  Annual  Average  Values Measured | Existing Problems |
| 1 hour | 1 day |
| Sulfur Dioxide |  |  |  |  |  |
| Nitrogen  Dioxide |  |  |  |  |  |
| Photochemical  Oxidant |  |  |  |  |  |
| Carbon  monoxide |  |  |  |  |  |
| Suspended  Particulate  Matter such as TSP, PM10, PM2.5 |  |  |  |  |  |
| Others |  |  |  |  |  |

3. Please indicate status of emission standards in your country (and area if applicable) including controlled specific air pollution sources and pollutants.

Year:　　　　　 　　 country: area:

|  |  |  |  |
| --- | --- | --- | --- |
| Targeted Air Pollution Sources | Title of Emission Standards and/or Related Laws and Regulations | Controlled Air Pollutants (such as TSP, PM10, PM2.5, SO2, NOx, CO and others) | Current Status of Compliance |
| Stationary Sources (such as power plants and factories): |  |  |  |
| Mobile Sources (such as auto vehicles and vessels): |  |  |  |
| Others: |  |  |  |

4. Please fill in the number of main air pollution sources except motor vehicle pollution sources by facility type, and describe countermeasures against air pollution from those facilities in your country or the area under your control directly.

Year:　　　　　 　　 country: area:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Facilities | Fuel | | | | | Countermeasures |
| Coal | Crude Oil | Coal Oil | LPG | Other |
| Power stations |  |  |  |  |  |  |
| Steelworks |  |  |  |  |  |  |
| Petrochemical plants |  |  |  |  |  |  |
| Cement plants |  |  |  |  |  |  |
| Mining and  manufacturing industries |  |  |  |  |  |  |
| Medium and small-sized industrial complex |  |  |  |  |  |  |
| Landfill sites |  |  |  |  |  |  |
| Cooking and heating at households |  |  |  |  |  |  |
| Others |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Passenger vehicles | Buses | Trucks | Two-  wheeled  vehicles | Three-  wheeled  vehicles | Special  category  vehicles | Other | Total | Countermeasures |
| Lead gasoline |  |  |  |  |  |  |  |  |  |
| Diesel oil |  |  |  |  |  |  |  |  |  |
| LPG |  |  |  |  |  |  |  |  |  |
| CNG |  |  |  |  |  |  |  |  |  |
| Methanol |  |  |  |  |  |  |  |  |  |
| Electric |  |  |  |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |

5. Please fill in the number of motor vehicles in operation by the fuel type, and describe general countermeasures against air pollution from motor vehicles in your country.

**ANNEX III**

**<For accepted applicants only>**

・**Formulation of an Action Plan during the Program :**

All participants are required to formulate an Action Plan during the Knowledge Co-Creation Program and make its presentation **at the end of the program**.

Please pick up one topic to tackle from issues that you mention in your country report, and formulate an Action Plan, by utilizing the knowledge that you have gained through the Program. Try to formulate the plan in consideration of the existing human and financial resources in your organization in as efficient and effective way as possible.

<Contents (Recommended)>

a. Theme

b. Background (including problem tree analysis)

c. Goals and Objectives

d. Direct and indirect beneficiaries

e. Activities

f. Implementation schedule

g. Responsible agencies and their roles

h. Strategies and tactics for implementation

i. Monitoring and evaluation

j. Budget and resources

Typewrite on the A4 sized paper and also prepare presentation materials.

More detailed guidance is provided after your arrival in Japan.

※ In order to formulate a better Action Plan, you are recommended to bring necessary documents, data as well as personal computers, if possible, from your country. Desktop computers are available at JICA’s International Centers but your own personal computer will make you more convenient to work on Action Plan.

※ Like Country Reports, Action Plans are important information source for JICA. to enable JICA’s cooperation activities be more effective for the Program participants’ countries. During the Knowledge Co-Creation Program, the participants will be asked whether they allow JICA to refer the Action Plan contents for a JICA’s relevant studies and operations in the future.

**ANNEX IV**

**≪*For Knowledge Co-Creation –* Active Learning≫**

***For Your Information***

1. **‘JICA Knowledge Co-Creation (KCC) Program’ as a New Start**

In the Development Cooperation Charter which was released from the Japanese Cabinet on February 2015, it is clearly pointed out that “In its development cooperation, Japan has maintained the spirit of jointly creating things that suit partner countries while respecting ownership, intentions and intrinsic characteristics of the country concerned based on a field-oriented approach through dialogue and collaboration. It has also maintained the approach of building reciprocal relationships with developing countries in which both sides learn each other and grow and develop together.” We believe that this ‘Knowledge Co-Creation Program’ will serve as a center of mutual learning process.

1. **Approach for Knowledge Co-Creation – Active Learning**

For “Knowledge Co-Creation”, all the participants are expected to actively participate in lectures, discussions or field trips during the program. In order to promote interactive and proactive learning among participants, specific learning method called “Active Learning” is adopted in KCCP. There’re three specific approaches focusing on “output” and “collaboration” to achieve Knowledge Co-Creation.

1. **Sharing Time** – *Verbal Output*

*Share what you learned and your idea as well as learn from other participants.*

★How to do?

At the end of each day, make a pair and share what you have learnt and ideas you got during the lecture or activities (within 1 minute/person).

1. **Weekly Feedback Sheet** – *Manual Output*

*Summarize what you learned as well as give feedbacks for lecturers and JICA.*

★How to do?

Write out what you have learned and your findings through a week, and share among participants and lecturers.

1. **Today’s Leader** – *Collaboration*

*Be the leader of participants and representative of your countries.*

★How to do?

One of the participants will be assigned as a leader of each day, and lead the program.