



ASIAN PRODUCTIVITY ORGANIZATION

PROJECT NOTIFICATION

1 August 2016

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| 1. Project Code | 16-IN-79-SPP-DMP-C |
| 2. Project Title | Development of Demonstration Companies on Energy Efficiency and Conservation |
| 3. Duration & Timing | Up to a maximum of 11 months (seven to nine months for implementation and two to four months for dissemination activities) |
| 4. Venue | Bangladesh, Mongolia, Nepal, Pakistan, and Sri Lanka |
| 5. Implementing Organizations | National Productivity Organizations (NPOs) |
| 6. Participating Countries | Bangladesh, Mongolia, Nepal, Pakistan, and Sri Lanka |
| 7. Closing Date for Nominations | Nomination letters and supporting documents should reach the APO Secretariat no later than 30 September 2016 |

8. Objectives

To provide target countries with technical assistance to establish demonstration companies and to disseminate knowledge of and techniques for energy conservation to a wider variety of people along with trained trainers through onsite assistance by an expert(s).

9. Background

Under the special cash grant program on energy conservation funded by the Ministry of Economy, Trade and Industry of Japan, the APO has been carrying out research on need assessment since August 2015. A training course on energy conservation was held in February 2016. In parallel with those projects, the APO has been organizing demonstration company projects and assigning experts to target countries to provide them with technical know-how on energy conservation activities.

Demonstration companies will disseminate success stories on the development and

implementation of energy conservation initiatives undertaken by all stakeholders. By establishing demonstration/model organizations, companies, and communities to showcase the tangible results of energy conservation improvement programs, others are encouraged to undertake similar efforts.

Potential candidates for demonstration company projects are recommended by NPOs, and the final selection is made in consultation with the expert(s) and APO Secretariat. The APO assigns experts to the selected organizations to perform diagnostic studies, recommend an action plan for energy conservation, and help implement the plan. The results are documented for learning by others. Through this program, NPOs will eventually develop the ability to manage their own demonstration/model projects on energy conservation.

Target countries are invited to submit detailed, comprehensive proposals in response to this project notification. As one of the outputs, actual case studies will be developed based on the results of demonstration projects, which will be utilized for training purposes by NPOs and the APO in related projects.

10. Scope and Methodology

Scope

Establishment of demonstration companies/organizations for the application of energy conservation tools and techniques such as energy management and energy audits to enhance productivity in SMEs and public- and private-sector organizations.

Methodology

This project involves a tripartite arrangement among a demonstration company or group of demonstration companies, the NPO, and APO. The APO will mainly be responsible for the assignment of the technical expert(s) to assist demonstration companies in the implementation of the project. An international expert(s) designated by the APO will be assigned to assist the implementation of the demonstration project in the selected target country based on its needs.

The demonstration projects are expected to be completed in June 2017. The details of the scope and methodology will be explained in the Project Implementation Plan for each specific project.

11. Implementation of Demonstration Company Projects

The implementation of the demonstration company project will tentatively comprise five stages: selection; planning; implementation; evaluation and dissemination; and postproject assessment. The flow of the demonstration project is described below.

Stage 1: Selection (two weeks)

- a. The NPO nominates a company(ies) and submits the proposal documents. The nomination of a company(ies) requires careful consideration, as it must be in a strong position to act as a model exhibiting leadership and influence on other organizations in the area with a high level of commitment from the management.
- b. In the case of multiple candidate companies, the NPO and the APO Secretariat with the expert(s) conduct a preassessment exercise at the candidate companies.

- c. Based on the selection criteria and assessments, the APO Secretariat approves a company/organization for a demonstration project.
- d. After the selection is finalized and the demonstration project is identified, the APO issues a Project Implementation Plan, which will include a mutually agreed upon plan, budget, and other details, to the NPO concerned.

Stage 2: Planning (two weeks)

- a. The expert(s) analyzes energy conservation-related issues and problems through a diagnostic survey at the demonstration company.
- b. The expert(s) proposes an improvement plan to the relevant parties and obtains a consensus on a mutually agreeable action plan for the scheduled duration of the project.

Stage 3: Implementation (seven–nine months)

- a. The agreed-upon energy conservation improvement plan is implemented, which will include training and capacity building of the parties involved in the demonstration project.
- b. The expert(s), NPO, and APO communicate at various stages of implementation to review the diagnosis and progress and recommend ways to resolve any problems or administrative bottlenecks.

Stage 4: Evaluation and Dissemination (two–four months)

- a. The expert(s), NPO, and APO conduct an evaluation upon the completion of the demonstration project to determine whether the objectives have been achieved. The NPO takes the lead in this stage and carries out dissemination activities ensuring multiplier effects in the region/area. (The NPO in consultation with the demonstration company will submit the plan for dissemination activities to the APO in advance before the completion of stage 3.)
- b. In this stage, the results of the demonstration project are disseminated through locally organized activities. The final report, training manual, dissemination material, and/or a demonstration DVD, if available, in a local language (if possible, in English) are distributed for wider dissemination.

Stage 5: Postproject Assessment (up to one week, optional)

The APO assigns an external expert to carry out a postproject review to assess the results and benefits derived by the company and overall impact of the project. The timing of the assignment is decided in consultation with the NPO concerned and the demonstration company.

12. Roles and Responsibilities of Parties Involved

Demonstration Company

The demonstration company will assign a responsible official (preferably top-management level), a team of dedicated, technically qualified company professionals, and staff to work on the project in consultation with the NPO/APO. It will provide all necessary inputs and information required

for the project, extend all necessary local support to the expert(s)/NPO/APO, implement all suggestions and recommendations of the expert(s) based on feasibility, and document results/outcomes.

It will demonstrate complete openness and willingness during dissemination activities for the benefit of other enterprises as planned by the NPO/APO including observational study missions. It will cooperate and provide all necessary support during the postproject impact evaluation, if necessary.

NPO

Since NPOs are the key to the sustainability and reproducibility of demonstration company projects, their active participation is essential. The NPO concerned is the nodal implementing agency responsible for successful execution of the project from the selection of units until the end of the project including dissemination.

Prior to nomination to the APO, it is imperative that the NPO hold meetings with top managers of prospective demonstration companies to explain the objectives and methodology of the demonstration project and ensure their commitment.

The NPO will identify and assign at least one qualified NPO expert/consultant/professional to be fully involved in the project and will be responsible for his/her involvement throughout the project. The NPO will guide and assist demonstration companies in planning, coordinating, executing, monitoring, and documenting project activities in consultation with the expert and APO.

The NPO will play the main role in dissemination activities and prepare a prior action plan for dissemination and implement it. (The tentative dissemination plan will be submitted along with the application.) The NPO will, in association with the demonstration company, prepare dissemination material on the project for distribution among other organizations in the area. The NPO is advised to involve relevant industrial associations in the project from the beginning to ensure multiplier effects and dissemination. The NPO will also explore possibilities of obtaining financial support from such industrial associations for dissemination activities, ultimately benefiting other organizations in the area.

The NPO will give priority to qualified candidates from demonstration companies for nomination to relevant APO projects for the capacity building of technical staff.

The NPOs of Bangladesh, Nepal, and Pakistan, which have not submitted the nominations requested in the Project Notification for 15-IN-99-SPP-DMP-C dated 10 September 2015, are requested to do so referring to Attachments 1 and 2 by 30 September 2016.

APO

The main responsibilities of the APO are to provide the expert(s) during specified periods of the demonstration project and provide expenses according to the cost-sharing basis to be specified in the Project Implementation Plan.

Expert(s)

The role of the expert(s) is to perform consultancy and training in the areas specified in the energy conservation improvement plan. Whenever necessary, he/she will organize training programs for skill development of the employees of the demonstration company. On a continuing, regular basis, he/she should monitor and evaluate the performance and progress of the energy conservation enhancement activities of the company. It is also his/her responsibility to assist the NPO in developing a training manual, CD-ROM, and dissemination material for the demonstration project. He/she is requested to undertake the role of chief resource person in organizing a dissemination seminar/workshop.

13. Financial Arrangements

To be borne by the APO

- a. All assignment costs of the APO expert(s), covering the honorarium, airfare, daily subsistence allowances, and overseas travel insurance;
- b. Expenses for conducting a local workshop/seminar for the local public (to be arranged by the NPO); and
- c. Partial expenses for dissemination activities (documentation, DVD production, dissemination workshop, dissemination material, etc.).

To be borne by the NPO

- a. Expenses related to coordination and implementation of the demonstration project;
- b. Expenses for logistical arrangements related to the implementation of the project not covered by the APO;
- c. Other expenses not covered by the APO; and
- d. Partial expenses for dissemination activities (documentation, DVD production, dissemination workshop, dissemination material, etc.)

To be borne by the demonstration company

- a. Expenses of local counterparts and assistants for implementation of the demonstration project;
- b. Purchase of equipment and physical alterations, if necessary; and
- c. Local transportation for the expert(s).

The budget details will be explained in the Project Implementation Plan for each project.

The APO expects the NPO and demonstration company to consider ways to share the implementation costs to the extent possible in the APO's spirit of mutual cooperation.

A handwritten signature in black ink, appearing to be 'Mari Amano', written over a faint, illegible stamp or background.

Mari Amano
Secretary-General

Attachment 1: Selection Criteria for Choosing a Demonstration Project
Attachment 2: Application Guidelines

Selection Criteria for Choosing a Demonstration Project

The major factors to be considered in selecting a demonstration project are:

1. NPO commitment

- a. NPOs should demonstrate their clear intentions and capabilities in implementing demonstration projects.
- b. NPOs should identify a national-level partnering institute/organization that can be the key to dissemination of the project results.

2. Preferred sectors

- a. Manufacturing and service companies that have strategic importance within the national economy; and
- b. Where there are several similar companies, and hence the possibility of sharing with them to multiply the effects of the project.

3. Dissemination potential for multiplier effects of the project

- a. The project (proposed sector/organization) should have good potential for dissemination of the results and multiplier effects in the country.
- b. When there are several similar companies/organizations, the possibility of sharing with them to multiply the effects of the project should be explored.

4. Other considerations for the demonstration company

- a. There should be a willingness and commitment of the selected demonstration company to improve its energy conservation and to share its achievements with other enterprises in similar lines of business.
- b. The selected candidate should have sufficient organizational resources (time, staff, money, business plan) to plan, implement (e.g., changes in facilities, technologies, processes), and disseminate the results of the project or have access to such capabilities through various external incentive schemes.
- c. In principle, the selected candidate should not have received or be receiving concurrent funding from another international agency without the consent of all parties concerned.

The following information should be included in the application:

1. Profile of the demonstration company

- a. Name/address of the company and its head/CEO.
- b. Type of business/activities undertaken.
- c. Location of demonstration site (postal mailing address if different, and telephone/fax/e-mail).
- d. Date of establishment and type and volume of products/services.
- e. Annual turnover/budget if available.
- f. Number of employees (seasonal and off-season employment figures if applicable).
- g. Financial statements for the last three years.

2. Current problems faced by the demonstration company related to energy conservation

- a. Details of major services/activities.
- b. Problems encountered by the company in energy conservation and efforts to overcome them, if any.
- c. Envisaged improvement plans and expected results.

3. Partnering institute/organization

Profile of the partnering institute/organization (national level) that is expected to join the NPO in the project, especially to enhance the visibility and impact of the project in the country.

4. Dissemination plan for multiplier effects of the project

- a. The NPO should provide details of activities that it will undertake for dissemination purposes.
- b. The NPO should provide the names of other organizations that are expected to learn from and follow the demonstration company(ies).