

# Asian Productivity Organization

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## PROJECT NOTIFICATION

1. **Project Code:** 09-IN-93-GE-SEM-B
2. **Project Title:** Seminar on Technology Innovation for Renewable Energy
3. **Duration:** 14–18 September 2009 (five days)
4. **Venue:** Taipei, Republic of China
5. **Implementing Organization:**  
**China Productivity Center**  
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6. **Number of Overseas Participants:** 18 qualified participants from Bangladesh, Cambodia, Fiji, India, Indonesia, IR Iran, Lao PDR, Mongolia, Nepal, Pakistan, Philippines, Sri Lanka, Thailand, and Vietnam
7. **Number of Local Participants:** Up to six qualified participants
8. **Closing Date for Nominations:** 14 August 2009

All nominations along with the **completed biodata** form and medical certificate of the nominees should reach the APO Secretariat by the above date. Selection of participants will be completed immediately after this date. Member countries are kindly requested to inform the APO Secretariat as soon as possible if they do not intend to participate so that the place can be made available to other interested countries.

## **9. Objective**

To discuss the latest issues and developments in renewable energy and to observe how the Republic of China successfully applies advanced technology to use abundant renewable resources to protect the environment and supplement its energy requirements.

## **10. Background**

The use of renewable energy is not new. More than 150 years ago, wood, which is one form of biomass, supplied up to 90% of our energy needs. As the use of coal, petroleum, and natural gas expanded, countries became less reliant on wood as an energy source. Today, we are looking again at renewable resources to find new ways to use them to help meet our energy needs.

There are effective alternatives to fossil fuels which will never run out, such as wind, the sun, and water. These can help reduce our dependence on nonrenewable sources, meet energy requirements, and reduce carbon dioxide and other greenhouse gas emissions. On the other hand, these substitute energy forms can contribute to national or regional economic development, for example, by expanding business and employment in renewable energy industries.

The Republic of China is an example. While it has deposits of coal, limestone, marble, dolomite, and natural gas, more than 90% of its energy needs are met by imports. Its rapid industrialization also relied heavily on imports of raw materials. Under these circumstances, the government and local technical enterprises have aggressively invested in the development of renewable energy in recent years, especially in solar energy. The sun has produced energy for billions of years, and solar energy can be converted into heat (thermal energy) and electricity. Solar energy is free and its supply is unlimited. The use of solar energy produces no air or water pollution but does have some indirect impacts on the environment.

Renewable energy has been receiving increasing attention worldwide, including APO member countries, along with national energy security and environmental concerns. This seminar will provide an excellent opportunity for renewable energy professionals to discuss the status and future of renewable energy development projects in the region and examine best practices in the host country.

## **11. Scope and Methodology**

### **Scope**

- a) Overview of renewable energy issues in APO member countries;
- b) Institutional support from government and local technical enterprises;
- c) Development of renewable energy projects;
- d) Best practices in the Republic of China; and
- e) Case studies of organizations with successful experience in the use of renewable energy.

### **Methodology**

Expert presentations, group discussion, country paper presentations, and site visits.

## 12. Requirements of Candidates

- a) Age: Preferably between 30 and 50 years.
- b) Education: Preferably university degree or equivalent qualification.
- c) Present Position: Renewable industry professionals, energy experts, renewable energy consultants, government organizations dealing in renewable energy, and NGO staff promoting renewable energy.
- d) Experience: At least five to 10 years of experience in a relevant field.
- e) Language: Proficiency in written and spoken English is essential.  
Proficiency
- f) Health: Physically and mentally fit to attend an intensive program entailing strenuous travel and several plant/field visits.

## 13. Financial Arrangements

### a) To be borne by the APO

i) Round-trip economy-class international airfare by the most direct route between the international airport nearest to the participant's place of work and Taipei for all participants from Bangladesh, Cambodia, Fiji, Lao PDR, Mongolia, and Nepal and for participants from nonprofit organizations and SMEs from other APO member countries. As far as practicable, all participants are strongly encouraged to purchase and use discount tickets. (Please note that any arrangements for the purchase of air tickets should be in accordance with the "Guide on Purchases of Air Tickets for APO Project Participants" on page 16 of the *APO Guide for Participants*, which will be sent to the selected participants and is available on the APO Web site at <http://www.apo-tokyo.org> and from the respective APO Liaison Officers in member countries.) Please note that no additional per diem allowances will be provided due to early arrival, delayed departure, rerouting of tickets, or any other reason whatsoever.

ii) All deputation costs of overseas resource persons

### b) To be borne by the host country—Republic of China

i) Hotel accommodations and per diem allowances for 18 overseas participants for up to six days.

ii) Other local implementing costs in the Republic of China.

### c) To be borne by participants or participating countries

i) For participants from profit-making organizations, except for SMEs, from APO member countries other than Bangladesh, Cambodia, Fiji, Lao PDR, Mongolia, and Nepal.

1) Round-trip international airfare between the member country and Taipei; and

2) Participating Country Expenses at US\$50 per participant, payable to the APO in convertible currency.

ii) For all participants

1) Participants must be fully insured against accident and illness (including hospitalization) for a principal sum of US\$10,000.00 for the entire duration of the project and travel and must submit to the APO a copy of the comprehensive travel insurance certificate before participation. Such insurance must be valid in the countries to be visited. If a participant is unable to arrange for insurance coverage in the host country at the start of the project, he/she must pay the premium himself/herself out of the per diem allowances provided. Neither the APO nor the implementing organization will be responsible for any eventuality arising from accident or illness.

2) Any expenses incurred by participants for stopovers on the way to and from the project venue as well as for extra stay at the project venue before and/or after the official project period on account of early arrival or late departure, for example, due to either limited available flights or any other reason whatsoever.

3) Any expenses related to visa fees and airport taxes.

#### **14. Actions by Participating Countries**

a) Each member country is requested to nominate two or more candidates for selection. Please ensure that candidates nominated meet the qualifications as mentioned in item 12.

b) We will not accept any form of self-nomination. All nominations must be endorsed and submitted by an APO Director, Alternate Director, Liaison Officer, or their designated officer.

c) Kindly note that nomination does not necessarily guarantee that a candidate will be selected. Selection is at the discretion of the APO Secretariat. A basic criterion for selection is the homogeneity of the participants in terms of qualifications and work experience. Nonselection therefore does not mean that the candidates concerned are not competent. Sometimes candidates are not selected because they are overqualified.

d) Each nomination should be accompanied by the documents listed below. A nomination lacking any of these documents may not be considered:

i) Two copies of the candidate's biodata on the APO biodata form together with passport-sized photograph. The biodata form can be downloaded from the APO Web site. Downloading information is also available from [www.apo-tokyo.org](http://www.apo-tokyo.org). We encourage submitting the biodata form to the APO Secretariat in electronic form as an attachment to a cover e-mail message from the APO Director, Alternate Director, or Liaison Officer.

ii) APO Medical and Insurance Declaration/Certification Form. Every candidate must complete and submit a copy of the APO Medical and Insurance Declaration/Certification Form with his/her biodata at the time of nomination. Please note that for this particular project self-declaration is sufficient for candidates without any of the health conditions or

illnesses enumerated on the reverse side of the medical form. However, for all others, medical certification by a recognized physician on the reverse side of the medical form is required.

e) Member countries are encouraged to submit the necessary documents electronically as mentioned in d)-i). In that case, there is no need to send a hard copy by postal mail. However, if the documents are submitted by fax, member countries are requested to mail the originals of the documents to the APO as well. If a digital photograph of a nominee is not attached to the electronic biodata form, a hard-copy photograph should be sent to the APO Secretariat by postal mail. Please specify the candidate's name and the project code on the reverse side of the photograph.

f) Member countries are requested to abide by the nomination deadline specified in Section 8 on the first page. The APO may not consider late nominations as they have in the past resulted in considerable difficulties to the implementing organization in its preparatory work for the project.

g) Under normal circumstances, candidates who are selected after the initial screening will be informed of their acceptance at least four weeks prior to commencement of the project.

h) Member countries are requested to inform candidates that, once selected, they are not to bring family members or to engage in any private business activities during the entire duration of the project. Further, if they should become unable to take part, the NPOs concerned are requested to inform the APO and the host country promptly of their reason for withdrawal.

i) Each selected candidate is required to arrive at the venue one day before the start of the official program. Also, he/she is expected to return home upon completion of the official program because he/she is visiting the host country for the specific purpose of attending this APO program.

## **15. Predeparture Preparation**

Each selected candidate is requested to prepare a country paper following the guidelines to be provided later. The guidelines for preparing the paper will be provided upon the announcement of participant selection. Participants (by country) will be required to make a 10-minute presentation at the seminar.

## **16. Guide for Participants**

Other conditions for participation are given in the *APO Guide for Participants*, which is available from the APO Liaison Officers/NPOs in member countries and on the APO homepage ([http://www.apo-tokyo.org/05part\\_guide.htm](http://www.apo-tokyo.org/05part_guide.htm)).



Shigeo Takenaka  
Secretary-General