

TRAINING CIRCULAR

Subject: Group Training Course for Planners to the Promotion of Photovoltaic Power Generation (A) to be held in Japan from August 11, 2013 to September 14, 2013 under the Technical Cooperation Programme of the Government of Japan.

The undersigned is directed to state that the Japan International Cooperation Agency (JICA) has invited applications for the above mentioned training programme to be held in Japan as per the above schedule under the Technical Cooperation of the Government of Japan.

2. This programme provides participants opportunities to understand the necessary policy and economic & technical conditions for introducing and disseminating PV technologies and the method of planning for PV promotion.

3. The expected nominees should be an engineer working for government/ministry/agency in charge of energy development and promoting PV systems and PV industry having more than 2 years of experience in the field. In addition, the candidates should:-

- have a Bachelor's Degree of Science and/or Engineering relevant to Renewable Energy Development and promotion, or a Bachelor's degree of Social Science,
- be fluent in spoken and written English {English proficiency equivalent to a TOEFL Computer Based Testing (CBT) 250 or more with certificate is preferable},
- be between the ages of twenty-five (25) and forty-five (45) years,
- be in good health, both physically and mentally,
- not be a part of military service

4. **The course covers (By JICA)**

- the cost of a round-trip air ticket between international airport designated by JICA,
- travel insurance from the time of arrival in Japan to departure from Japan,
- allowances for (accommodation, living expenses, outfit and shipping),
- expenses for JICA study tours and free medical care for participants who may fall ill after reaching Japan (costs relating to pre-existing illness, pregnancy, or dental treatment are not included)

5. In addition, the following information in respect of the nominated officers may please be mentioned while furnishing the nomination:-

- a) Whether attended any foreign training programme in the past? If so, the duration/detail thereof;
- b) Whether cleared from vigilance angle?
- c) Age;
- d) Whether working in North East State/J&K;
- e) A brief in 50-100 words justifying the nomination.

6. It is therefore requested that the nomination of suitable candidates may please be forwarded (in duplicate) in JICA's prescribed form (available in persmin.nic.in→DOPT→Training Wing→Circular→JICA) to this Department duly authenticated by the HOD of the concerned department in accordance with the eligibility criteria.

7. The applications should reach this Department through the Administrative Ministry/State Government not later than **June 21, 2013**. Nominations received after the prescribed date will not be considered. The details of the programme may be drawn from Ministry of Personnel, Public Grievances and Pensions' website (persmin.nic.in).


(N.K. Wadhwa)

Under Secretary to the Government of India
Tele.No.011-26165682

Copy to:

- a) The Secretary, Ministry of New and Renewable Energy Block No 14, CGO Complex, Lodhi Road, New Delhi, 110003
- b) The Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi,
- c) All State Governments/Union Territories(with request to circulate the same amongst their related Departments/Organizations),
- d) NIC with request to post the circular along with the JICA's circular on this Department's website.

No.31/GT-CP/2013

April 18, 2013

Mr. N.K. Wadhwa
Under Secretary (Training)
Department of Personnel and Training
Training Division
Block No. 4
Old JNU Campus
New Mehrauli Road
New Delhi

Subject: Group Training for Planners to the Promotion of Photovoltaic Power Generation (A)

Dear Mr. N. K. Wadhwa,

We would like to inform you that the captioned Group Training Course will be held in Japan from August 11, 2013 to September 14, 2013 under the Technical Cooperation Programme of the Government of Japan.

We are forwarding herewith two copies of the General Information Booklet on the above offer. It is requested that the following documents of the selected candidate may please be submitted to this office by **June 28, 2013**:-


- (1) The Application Form together with the medical history questionnaire

Further details are available in the General Information Booklet. It may be noted that all above mentioned documents are essential for screening of applications.

It is further informed that 15 slots are available globally for the above course and it would be much appreciated if you could take further necessary action and submit the nomination(s) of suitable candidate(s) to this office by the designated date.

With regards,

Yours sincerely,


Tomohide Ichiguchi
Senior Representative

Encl: As stated above.

Handwritten notes:
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2/4
So (Accepted)
Sent Anuradha
22/4/13



TRAINING AND DIALOGUE PROGRAMS

GENERAL INFORMATION ON
Training for Planners to the Promotion of Photovoltaic Power
Generation (A)
集団研修「太陽光発電普及のための計画担当者研修(A)」
JFY 2013
 <Type: Solution Creation / 類型: 課題解決促進型>
 NO. J13-00624 / ID. 1380008
 From August 2013 to July 2014
 Phase in Japan: From August 11, 2013 to September 14, 2013

This information pertains to one of the Training and Dialogue Programs of the Japan International Cooperation Agency (JICA), which shall be implemented as part of the Official Development Assistance of the Government of Japan based on bilateral agreement between both Governments.

I. Concept

Background

Utilization of renewable energy has been gathering global attention as one of the key solutions for the global warming. Notably in the developing countries, which is vulnerable for the effect of the climate change due to its high-dependence on natural resources, nationwide effort to the mitigation and adaptation measures for the climate change is highly required for their sustainable development.

Solar (photovoltaic: PV) power, the one of the renewable energy as well as wind and micro hydropower, has been conventionally utilized in the rural areas of the developing countries as distributed energy resources for rural electrification, but there are some obstacles for its further expansion. It requires appropriately trained technicians and engineers for the proper installation and maintenance of the solar power system, even for simple solar home system (SHS) which is allegedly regarded as easy to install and maintain. Comparatively expensive KWh cost due to its rather high initial investment cost is also important issue for photovoltaic (PV) compared to other alternative power resources, though PV requires no fuel cost as its running cost. The grid-connected PV system has started attracting attention widely among developing countries, but it requires more comprehensive technical skills, institutional frameworks, and policy-makings for its installations, operation and promotion.

In order to tackle with above mentioned challenges and promote PV systems in developing countries through government policies, capacity development of policy planners/implementers is one of the most important initiatives. Even there are certain strategies or policies to promote utilization of PV in a developing county, they will not work out without having the policy planners/ implementers who can prepare proper plans, proceed with appropriate procurement, and implement proper management and supervision the projects to promote PV systems. Actually, many developing countries are facing with serious lack of human resources in the public and private sectors, and in consequence their national strategies or policies for PV promotion are not progressing well.

Japan, which does not have fossil fuel resources, has embarked on a practical use of renewable energy since 1970s, and the Japanese Government has promoted those activities through policy initiatives. Until 1960s, PV technology had been regarded as limited technology only for space development, but as a result of national project of technology development collaborated with the private sector Japan attained the world's number one production of PV modules in 2005. It indicates the existence of collaboration mechanism among the public and private sectors for utilizing the policy frameworks to promote PV technologies throughout the process of technical development.

As to in developing countries, the key issue to introduce, disseminate, and utilize solar power for social and economic development is to create the same kind of collaboration mechanism among public and private sectors of the country. This training program will provide policy planners/implementers with the practical examples of the collaboration mechanism for PV promotion in Japan through experiences of PV related industries in Kansai region (around Osaka city area, western part of Japan). There are varieties of PV related industries in Kansai region such as PV module, battery and controller manufacturers.

Necessary attitude to participate training held in a country whose economic, social and development situations are quite different from the participants' home countries is to comprehend the background contexts of host country's political initiatives and policy frameworks based on the proper comprehension of your own country's situation. This training program will be held twice a year (course A and B) in Kansai and once a year (course C) in Okinawa region. This General Information is about course A. Contents of each program will be designed to correspond with the group of participating countries

For what?

This program aims at providing participants with the opportunities to understand the necessary policy, and economic and technical conditions for introducing and disseminating PV technologies, and the method of planning for PV promotion in their respective countries.

For whom?

This program is offered to officials working in governmental or implementing organizations for energy, especially for policy planners/implementers (not technicians¹) in PV development.

How?

At the beginning of the program, participants are requested to present their country reports covering the situations of energy demand and supply including electric power and renewable energy, and PV development and dissemination policy and institutions, which participants are required to prepare in their countries in advance. (Please refer to VI. ANNEX I and II Country Report Presentation Format and Energy Situation Matrix for the detailed contents) In Japan, participants will have the opportunities to visit PV manufacturers and other PV related companies, attend lectures, involve themselves in discussions, and make presentations of their preliminary policy plans for developing and promoting PV technologies in their respective countries.

This course will be conducted under cooperation with Kansai Economic Federation, a Japanese business association in western Japan. Information exchange and discussion with participants would help the Japanese companies to further extend their business activities overseas.

¹ JICA Kansai also provides the training program for the engineers titled "Solar Power Generation Technology", for your reference.

II. Description

1. Title (J-No.)

Training for Planners to the Promotion of Photovoltaic Power Generation (A)
(J13-00624)

2. Period of program

- **Duration of whole program:** August 2013 to July 2014
- **Preliminary Phase:** August 2013
(in a participant's home country)
- **Core Phase in Japan:** August 11, 2013 to September 14, 2013
- **Finalization Phase:** September 2013 to July 2014

3. Target Regions or Countries:

Algeria, Bangladesh, Cape Verde, Egypt(2), Georgia, India, Jordan, Kazakhstan, Morocco, Pakistan, South Africa, Sudan(2), Uzbekistan

4. Eligible / Target Organization :

Governmental organization in charge of energy policy or implementation

5. Total Number of Participants :

15 participants

6. Language to be used in this project :

English (including English translated from/to Japanese through interpreters)

7. Overall Goal:

The policy and institutional development is promoted for the sustainable and effective utilization system of photovoltaic technologies.

8. Objective:

Human resources who are capable of planning and implementing effective utilization of photovoltaic technologies are fostered.

9. Outcome:

- (1) Understanding on basic and utilization technologies for photovoltaic is fostered.
- (2) Understanding on economic and financial issues for utilizing photovoltaic technologies is fostered.
- (3) Understanding on policy, institutional, organizational and human resource development for effective utilization of photovoltaic technologies is fostered.
- (4) Through observations of and discussions with Japanese photovoltaic industries, understanding on consequences of policy, institutional, organizational and human resource development in Japan is fostered.
- (5) Through autonomous learning of own experience in Japan, understanding on methods to effectively grasp and proactively innovate existing situations and conditions is fostered.
- (6) Through reflections of training, and exchange of information and opinions among the participants, mutual understanding on respective issues participants are facing in their countries to promote photovoltaic technologies is fostered.

9. Expected Module Output and Contents:

This program consists of the following components. Details on each component are given below:

Preliminary Phase in Participants' home country
(August 2013)

| Expected Module Output | Activities |
|--|--|
| Current situations, policies, and issues of energy, electrical power, renewable-energy and PV promotion in participants' home country are acknowledged in advance of the training. | <p>(1) Submission of Country Report to JICA for the workshop to be held at the beginning of the program². Please be sure that the workshop is open to the public.</p> <p>The Country Report covers: (format attached as Annex 1)</p> <ol style="list-style-type: none"> 1) Information of the participants 2) Energy Situation in your country 3) Solar Energy Utilization in your country 4) Your current observations on Issues and Challenges for promoting PV systems <p>(2) Please also fill in the Energy Situation Matrix. This matrix will provide comprehensive data and information for other participants and Japanese participants who will attend the country report presentations. (Format attached as Annex 2)</p> |

(2) Core Phase in Japan
(August 11, 2013 to September 14, 2013)

Participants dispatched by the organizations attend the Program implemented in Japan.

| Expected Module Output | Subjects/ Agendas | Methodology |
|---|--|--|
| (1) Understanding on basic and utilization technologies for photovoltaic is fostered. | <ol style="list-style-type: none"> (1) Presentation of Country Report for sharing experiences through discussions with other participants; (2) Lectures on overview of renewable (3) basic PV technologies | <ol style="list-style-type: none"> 1) Presentations 2) Lectures 3) Discussions 4) Workshop 5) Field trips |
| (2) Understanding on economic and financial issues for utilizing photovoltaic technologies is fostered. | <ol style="list-style-type: none"> (1) Least cost analysis (selection of power source, best-mix) (2) Basic of economic/financial analysis (present value, cash flow, willingness to pay, difference between economic and financial analysis) (3) Calculation of cost for power generation (comparing of PV and other generations) | |

² Participants are requested to prepare Country Report including status of PV, energy, electric power and renewable energy, and make presentation in the workshop at the beginning of the program.



| | | |
|---|--|--|
| <p>(3) Understanding on policy, institutional, organizational and human resource development for effective utilization of photovoltaic technologies is fostered.</p> | <p>(1) Policy, institutional, organizational and human resource development of Japanese PV industry, and lessons learned for developing countries (2) Subsidies for promoting grid-connected PV systems</p> | |
| <p>(4) Through observations of and discussions with Japanese photovoltaic industries, understanding on consequences of policy, institutional, organizational and human resource development in Japan is fostered.</p> | <p>(1) Observations of and discussions with private companies) (2) Strategies of private PV companies (3) Consequences of governmental policies / schemes on private PV companies (4) Implementation method of governmental policies / schemes</p> | |
| <p>(5) Through autonomous learning of own experience in Japan, understanding on methods to effectively grasp and proactively innovate existing situations and conditions is fostered.</p> | <p>(1) Knowledge management (2) System thinking</p> | |
| <p>(6) Through reflections of training, and exchange of information and opinions among the participants, mutual understanding on respective issues</p> | <p>(1) facilitation by the course leader (2) feed-back session and mutual understanding within participants</p> | |

| | | |
|---|--|--|
| <p>participants are facing in their countries to promote photovoltaic technologies is fostered.</p> | | |
|---|--|--|

(2)Finalization Phase in a participant’s home country

Participants are expected to practice their understanding, and strategic view and way of thinking gained in Japan to promote and develop PV industry for further disseminating PV systems in their countries.

| Expected Module Output | Expected Module Output |
|---|--|
| <p>Actions taken after resuming your duties</p> | <p>Final report mentioning subsequent activities (ex. discussion or practical implementation in participant’s organization: Format attached as Annex III) in participant’s country should be submitted as a completion report based on the understanding, and strategic view-point and way of thinking gained in Japan. Submission Date: July 31, 2014 (to respective country’s JICA Office)</p> |

10. Follow-up Cooperation by JICA:

In this program, JICA might extend follow-up support to participating organizations that intend to develop the result of the program further. Please note that the support shall be extended selectively based on proposals from the participating organizations.

Further Information: URL <http://www.jica.go.jp/english/operations/schemes/tech/follow/>

III. Conditions and Procedures for Application

1. Expectations for the Participating Organizations:

- 1) This program is designed primarily for organizations that intend to address specific issues or problems identified in their operation. Participating organizations are expected to use the program for those specific purposes.
- 2) This program is enriched with contents and facilitation schemes specially developed in collaboration with relevant prominent organizations in Japan. These special features enable the program to meet specific requirements of applying organizations and effectively facilitate them toward solutions for the issues and problems.
- 3) English will be spoken in all the lectures, discussions, presentations and workshops. Textbooks and materials will be provided in English. Participants will be requested sufficient command of spoken and written English.
- 4) Participating organizations are also expected to make the best use of the results achieved by their participants in Japan by carrying out the activities of the Finalization Phase described in section II -9.
- 5) This is the first year of the three-year training program. The participants from the same ministry/agency as the last year will be recommended to ensure the effectiveness of the program objective.

2. Nominee Qualifications:

Applying Organizations are expected to select nominees who meet the following qualifications.

(1) Essential Qualifications:

- 1) **Current Duties:** be officers/ engineers working for government ministry or agency in charge of energy development, and promoting PV systems and PV industry, most preferably, officer from the same ministry/ agency as the last year's participant's
- 2) **Experience in the relevant field:** have at least two (2) or more years' experience related to PV systems
- 3) **Age:** be between the ages of twenty-five (25) and forty-five (45) years
- 4) **Educational Background:** have a bachelor's degree of science and/or engineering relevant to renewable energy development and promotion, or a bachelor's degree of social science
- 5) **Language:** have a sufficient command of spoken and written English, which is equal to TOEFL CBT 250 or more. Please attach an official certificate for English ability such as TOEFL, TOEIC etc, if possible. Participants will be required to do English presentation and discussion in the training program. Insufficient English skills may constrict the training effectiveness of whole participants in the program.
- 6) **Health:** must be in good health, both physically and mentally, to participate in the Program in Japan.
- 7) Must not be serving any form of military service.

3. Required Documents for Application:

- (1) **Application Form:** The Application Form is available at the respective country's JICA office or Embassy of Japan.

***Pregnancy**

Pregnant participants are strictly requested to attach the following documents in order to minimize the risk for their health:

1. letter of the participant's consent to bear economic and physical risks,
2. letter of consent from the participant's supervisor, and
3. doctor's letter with agreement of her training participation.

Please ask National Staffs in JICA office for details.

- (2) **Nominee's English Score Sheet:** to be submitted with the Application Form. If you have any official documentation of English ability (e.g., TOEFL, TOEIC, IELTS, etc.), please attach it (or a copy) to the Application Form.

4. Procedure for Application and Selection:

(1) Submitting the Application Documents:

Closing date for application to the JICA Center in JAPAN: **June 28, 2013**

Note: Please confirm the closing date set by the respective country's JICA office or Embassy of Japan of your country to meet the final date in Japan.

(2) Selection:

After receiving the document(s) through due administrative procedures in the respective Government, the respective country's JICA office (or Embassy of Japan) shall conduct screenings, and send the documents to the JICA Center in charge in Japan, which organizes this program. Selection shall be made by the JICA Center, according to qualifications in consultation with the organizations concerned in Japan, based on submitted documents. *The organization with intention to utilize the opportunity of this program will be highly valued in the selection.*

(3) Notice of Acceptance:

Notification of results shall be made by the respective country's JICA office (or Embassy of Japan) to the respective Government by **not later than July 5, 2013.**

- (4) **Country Report and Energy Situation Matrix:** Participants are required to submit the Country Report and Energy Situation Matrix as guided in ANNEX-1 and ANNEX-2 by **not later than July 22, 2013.**

5. Conditions for Attendance:

- (1) to follow the schedule of the program,
- (2) not to change the program subjects or extend the period of stay in Japan,
- (3) not to bring any members of their family,
- (4) to return to their home countries at the end of the program in Japan according to the travel schedule designated by JICA,
- (5) to refrain from engaging in political activities, or any form of employment for profit or gain,
- (6) to observe Japanese laws and ordinances. If there is any violation of said laws

and ordinances, participants may be required to return part or all of the training expenditure depending on the severity of said violation,

- (7) to observe the rules and regulations of their place of accommodation and not to change the accommodation designated by JICA, and
- (8) to participate in the whole program including a preparatory phase prior to the program in Japan. Applying organizations, after receiving the notice of acceptance for their nominees, are expected to carry out the actions described in the Sections II-9 and III-4(4) in this General Information.

IV. Administrative Arrangements

1. Organizer:

- (1) Name: JICA Kansai
(2) Contact: Mr. Ippei MATSUHISA Email : Matsuhisa.Ippei@jica.go.jp and
jicaksic-unit@jica.go.jp

2. Implementing Partners:

- (1) Name: Pacific Resource Exchange Center (PREX)
(2) Contact: Ms. Satomi OKUMURA
(3) URL: http://www.prex-hrd.or.jp/index_e.html
(4) Remark: Pacific Resource Exchange Center was established in April 1990 in response to a proposal adopted at the general assembly of the Pacific Economic Cooperation Council (visit PECC at: <http://www.pecc.org/>). Since its inception, PREX has been contributing to human resources development of government officials and corporate executives mainly in the Asia and Pacific region.

3. Travel to Japan:

- (1) Air Ticket: The cost of a round-trip ticket between an international airport designated by JICA and Japan will be borne by JICA.
(2) Travel Insurance: Term of Insurance: From arrival in to departure from Japan. The traveling time outside Japan shall not be covered.

4. Accommodation in Japan:

JICA will arrange the following accommodations for the participants in Japan:

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|--|
| JICA Kansai Address: 1-5-2, Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan TEL: 81-78-261-0397 FAX: 81-78-261-0465 (where "81" is the country code for Japan, and "78" is the local area code) |
|--|

If there is no vacancy at JICA Kansai, JICA will arrange alternative accommodations for the participants. Please refer to facility guide of JICA Kansai at its URL, <http://www.jica.go.jp/english/contact/domestic/index.html>.

5. Expenses:

The following expenses will be provided for the participants by JICA:

- (1) Allowances for accommodation, living expenses, outfit, and shipping,
 - (2) Expenses for study tours (basically in the form of train tickets),
 - (3) Free medical care for participants who become ill after arriving in Japan (costs related to pre-existing illness, pregnancy, or dental treatment are not included), and
 - (4) Expenses for program implementation, including materials.
- For more details, please see pages 8-16 of the brochure for participants titled "KENSHU-IN GUIDE BOOK," which will be given to the selected participants before (or at the time of) the pre-departure orientation.

6. Pre-departure Orientation:

A pre-departure orientation will be held at the respective country's JICA office (or Embassy of Japan), to provide participants with details on travel to Japan, conditions of the participation in the Program, and other matters.

V. Other Information

1. Participants who have successfully completed the program will be awarded a certificate by JICA.
2. For the promotion of mutual friendship, JICA Kansai encourages international exchange between JICA participants and local communities, including school and university students as a part of development education program. JICA participants are expected to contribute by attending such activities and will possibly be asked to make presentations on the society, economy and culture of their home country.
3. Participants are recommended to **bring laptop computers** for your convenience, if possible. During the program, participants are required to work on the computers, including preparation of Action Plan(AP), etc. Most of the accommodations have internet access. Also, there is a computer room in JICA Kansai where fourteen desk-top computers have the internet access.
4. As a manner to officially participate the training, please not to forget to bring stationaries (pen and notebook) and formal wear. Business cards may be useful especially when visiting private companies.
5. Allowances, such as for accommodation, living, clothing, and shipping, will be deposited to your temporary bank account in Japan after 2 to 5 days after your arrival to Japan. It is highly advised to bring some cash / traveler's check in order to spend necessary money for the first 2 to 5 days after your arrival.
6. It is very important that your currency must be exchanged to Japanese Yen at any transit airport or Kansai International Airport (KIX) in Osaka, Japan soon after your arrival. It is quite difficult to exchange money after that, due to no facility or time during the training program.

VI. ANNEX 1

Country Report

Please formulate the Country Report presentation material as guided below. The participants will have a chance to make a Country Report Presentation as a part of the course program in Japan.

The presentation will be open to the public. Japanese companies and audience will come to see your country's situation. Therefore, please take care not to mention any confidentiality in your government.

Presentation Material

Software: Power Point

Maximum: 20 pages (20 slides)

Presentation Time: 15 min.

Information to be included in the country report

Name:
Organization:
Country:

Requested Information

1. Information of the participant

- (1) Your present position and the kind of work you are engaged in
- (2) The reason why you are applying for this course

2. Energy Situation in your country

- (1) Energy Policy, Related Law and Act such as Rural Electrification Act and Renewable Energy Act, and their brief explanation including subsidy scheme, incentives for private sector and human resource development
- (2) Structure of Final Energy Consumption (For example, Oil 50%, Gas 20%, Electricity 5%, Traditional Biomass 5% and others)
- (3) Electricity Tariff by Category
- (4) Household Electrification Ratio

3. Solar Energy Utilization in your country

- (1) National Master Plan of Introducing PV System
 - (a) The reason why PV system need to be disseminated as a national policy in your country.
 - (b) How to disseminate PV system in your country (Legal framework, incentive mechanism, responsible organization and so on.)
- (2) Solar Energy Utilization (number of installations and system capacity)
 - (a) Grid-connected PV system
 - (b) Mini-grid system including hybrid system
 - (c) Off-grid system
- (3) Situation of Solar Energy Industry
 - (a) Development level of PV and solar heater Industries (What kind of PV and solar heater components are?)

- 15
- (b) Number and names of companies
 - (c) Training Institutions of Engineers and Technicians for PV and solar heater

(4) Solar Energy Utilization in your country

- (a) Origin of PV Panels and other components, and solar heaters
- (b) Disposition of Used Batteries
- (c) Financial Assistant Scheme
- (d) Technical and Financial Assistance by Donors

4. Your current observations on Issues and Challenges for promoting PV systems

VII. ANNEX 2

Energy Situation Matrix

Please search the latest figure from your country's reliable data sources, and show them in the Energy Situation Matrix below.

| Energy Situation Matrix | | (COUNTRY NAME) |
|---|--|----------------|
| Energy policy and related laws and acts | | |
| Final Energy Consumption[%] | Oil | |
| | Coal | |
| | Natural Gas | |
| | Nuclear Power | |
| | Electricity | |
| | Traditional Biomass | |
| | /Others | |
| Total installed capacity of power generation, and its breakdown[MW] | Total | |
| | Thermal [Subtotal] | |
| | ◇Oil | |
| | ◇Coal | |
| | ◇Natural Gas | |
| | Hydro | |
| | Nuclear | |
| | Renewable Energy (PV, Solar Heat Power, Wind, Biomass) | |
| Household Electrification Rate | National Average (%) | |
| | Average in Urban[%] | |
| | Average in Rural[%] | |
| Electricity tariff by category [US ¢ /kWh] and monthly fixed charge | Residential | |
| | Industrial | |
| | Commercial | |
| Potential of renewable energy and status of development | Solar Energy | |
| | Micro-hydro | |
| | Wind Power | |
| | Biomass | |
| | Others | |

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| | | |
|--|---|--|
| PV energy basic data and information | Amount of daily irradiation [kWh/m ² /day] | |
| | Hours of sunshine in a year[Hours/Year] | |
| Total Nos. and capacity of PV systems installed | Grid-connected PV system | |
| | Mini-grid system including hybrid system | |
| | Off-grid PV system including Solar Home Systems (SHS) | |
| PV installation, operation and maintenance system | Please describe how PV systems are installed and maintained, who are players and beneficiaries, and what are their responsibilities and roles | |
| Financial assistant scheme and its delivery system | Please describe financial assistance schemes for suppliers and/or users of PV systems if any, and how these schemes work through what kind of mechanism | |
| Situation of PV industry | (1) Level of PV industry development: what kind of PV components are manufactured | |
| | (2) Number and names of private companies (including manufacturers) working for PV, and their business activities | |
| Origin of PV system | From which countries have PV panels been imported? | |
| | From which countries have Balance of system for PV system been imported? (including charge controllers, batteries) | |
| Disposition of used batteries | Recycling or Reusing? [Any related Acts or Regulations] | |
| Assistance for PV systems by donors | Please describe PV projects assisted by donors. | |

VIII. ANNEX 3

JAPAN INTERNATIONAL COOPERATION AGENCY

Completion Report Format for "Training for Planners to the Promotion of Photovoltaic Power Generation (A)" JFY2013

Name : _____ Date: _____
Country: _____

SECTION A Personal Information

(Please circle as appropriate)

Name: _____ Country: _____ Gender: M/F

At the training

Organization: _____ Position: _____

At present

Organization: _____ Position: _____

Telephone Number(S): _____

E-mail address: _____

Title of Course/Program attended _____

Date/Duration: _____

SECTION B Reporting about Training (Please tick ✓ the box as appropriate)

1. Since you returned from Japan have you reported on your training?

(1) Yes (2) No

2. If yes, to whom did you report?

(1) Officers in my organization (2) JICA Office (3) Others (Specify) _____

3. How did you report?

(1) Through written report (2) Through a presentation (3) Other (Specify) _____

SECTION C Content of the Training (Please tick ✓ the box where appropriate other wise describe)

4. Which issues during the training have proved to be useful for your work? (Please describe as much as possible)

5. After going back to your country, did you find/notice any items/resources hopefully included in the program? If you have any suggestion to the program, please describe. Your idea will be very much appreciated for next year's course planning.

6. How have you used your knowledge/Skills that you acquired in Japan?

(1) I held a seminar for dissemination

(2) I have trained other staff in my institution

(3) Not done much explain _____

(4) Other (Specify) _____

SECTION D Implementation Of Presented Plan (Please tick ✓ the box where appropriate other wise describe)

7. Have you initiated any activities based on your plan that you presented in Japan?

(1) Yes (2) No

8. If yes, please elaborate the activity you initiated.

9. What have been your challenges (difficult issues) when you utilize what you learnt in Japan?

(1) Inadequate support from my organization

(2) Non availability of equipment/facilities to apply knowledge

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(3) Budgeting

(4) Other(specify) _____

10. What measures have you taken to cope with the situation?

11. What plans for the future do you have as far as the utilization of the knowledge/skills acquired from the training is concerned?

12. What kind of support may be needed from Japan?

(1)Budget for dissemination seminar (2) Financing (3) Equipment(s)

(4)JICA Volunteer (5)Expert dispatch

(6)follow-up training (7)Information (Please specify) _____

(8)Others (Please specify) _____

13. Any other comments?

Thank you for your cooperation

For Your Reference

JICA and Capacity Development

The key concept underpinning JICA operations since its establishment in 1974 has been the conviction that "capacity development" is central to the socioeconomic development of any country, regardless of the specific operational scheme one may be undertaking, i.e. expert assignments, development projects, development study projects, training programs, JOCV programs, etc.

Within this wide range of programs, Training Programs have long occupied an important place in JICA operations. Conducted in Japan, they provide partner countries with opportunities to acquire practical knowledge accumulated in Japanese society. Participants dispatched by partner countries might find useful knowledge and re-create their own knowledge for enhancement of their own capacity or that of the organization and society to which they belong.

About 460 pre-organized programs cover a wide range of professional fields, ranging from education, health, infrastructure, energy, trade and finance, to agriculture, rural development, gender mainstreaming, and environmental protection. A variety of programs and are being customized to address the specific needs of different target organizations, such as policy-making organizations, service provision organizations, as well as research and academic institutions. Some programs are organized to target a certain group of countries with similar developmental challenges.

Japanese Development Experience

Japan was the first non-Western country to successfully modernize its society and industrialize its economy. At the core of this process, which started more than 140 years ago, was the "adopt and adapt" concept by which a wide range of appropriate skills and knowledge have been imported from developed countries; these skills and knowledge have been adapted and/or improved using local skills, knowledge and initiatives. They finally became internalized in Japanese society to suit its local needs and conditions.

From engineering technology to production management methods, most of the know-how that has enabled Japan to become what it is today has emanated from this "adoption and adaptation" process, which, of course, has been accompanied by countless failures and errors behind the success stories. We presume that such experiences, both successful and unsuccessful, will be useful to our partners who are trying to address the challenges currently faced by developing countries.

However, it is rather challenging to share with our partners this whole body of Japan's developmental experience. This difficulty has to do, in part, with the challenge of explaining a body of "tacit knowledge," a type of knowledge that cannot fully be expressed in words or numbers. Adding to this difficulty are the social and cultural systems of Japan that vastly differ from those of other Western industrialized countries, and hence still remain unfamiliar to many partner countries. Simply stated, coming to Japan might be one way of overcoming such a cultural gap.

JICA, therefore, would like to invite as many leaders of partner countries as possible to come and visit us, to mingle with the Japanese people, and witness the advantages as well as the disadvantages of Japanese systems, so that integration of their findings might help them reach their developmental objectives.



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