

**IMPLEMENTING ARRANGEMENT**  
**BETWEEN**  
**THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA**  
**AND**  
**THE MINISTRY OF FOREIGN AFFAIRS OF**  
**THE UNITED ARAB EMIRATES**  
**FOR**  
**INFORMATION EXCHANGE AND COOPERATION IN**  
**THE PEACEFUL USES OF NUCLEAR ENERGY AND NONPROLIFERATION**

The Department of Energy of the United States of America (DOE) and the Ministry of Foreign Affairs (MFA) of the United Arab Emirates (UAE), hereinafter referred to as the “Participants”,

Noting the Memorandum of Understanding between the Government of the United States of America and the Government of the United Arab Emirates Concerning Cooperation in Peaceful Uses of Nuclear Energy of April 21, 2008 (the MOU);

Noting the Agreement for Cooperation between the Government of the United States of America and the Government of the United Arab Emirates Concerning Peaceful Uses of Nuclear Energy of December 17, 2009; and

Desiring to exchange technical information and to cooperate in the field of nonproliferation and the peaceful uses of nuclear energy,

Have reached the following understanding:

## **SECTION 1 - PURPOSE**

The purpose of this Implementing Arrangement is to establish a framework for cooperation, under the auspices of the MOU, between DOE, through its National Nuclear Security Administration, and MFA, through the United Arab Emirates' Designated Entities: the Federal Authority for Nuclear Regulation, the Emirates Nuclear Energy Corporation, the Critical National Infrastructure Authority, and other entities of each Participant's country as mutually determined, for the exchange of unclassified, non-proprietary scientific, technological and other information regarding the peaceful uses of nuclear energy and additional forms of cooperation, to the extent permitted by the laws, regulations and policies of the Participants' respective countries.

## **SECTION 2 - FORMS OF COOPERATION**

- A. The activities intended to be carried out by the Participants under this Implementing Arrangement may include the following, subject to available funds and to the extent permitted by the laws, regulations, and policies of their respective Governments:
1. Exchange of unclassified, non-proprietary scientific and technical information;
  2. Training of scientific and technical personnel, through technical training visits, work periods in laboratories, seminars or specific courses, in subject areas such as but not limited to nuclear safeguards; nuclear material physical security; environment, safety, and health; low- and intermediate-level radioactive waste management; information technology; and reactor operations and utilization.
  3. DOE's facilitation of acquisition by Designated Entities of appropriate laboratory equipment and associated materials, such as non-destructive assay equipment and dosimeters and other health physics equipment;
  4. Joint projects in which each Participant is, unless otherwise determined in writing, responsible for the costs it incurs;
  5. Organization of technical seminars, workshops and meetings; and
  6. Other specific forms of collaboration relating to the peaceful uses of nuclear energy and nonproliferation as may be added by written arrangement of the Participants.

- B. To the extent permitted by the laws, regulations, and policies of their respective Governments, the Participants' cooperation in the activities described in subparagraph (A) of this Section may include the following:
1. Short visits by DOE's or the Designated Entities' expert teams or individuals to the other's laboratories or other facilities;
  2. Working visits of either DOE's or the Designated Entities' personnel to the other's laboratories or other facilities;
  3. Use by the Designated Entities of appropriate facilities and equipment owned and operated by DOE and its laboratories;
- C. DOE and the Designated Entities should confirm in writing the details of any specific cooperation undertaken under this Implementing Arrangement, including the conduct of specific projects for which DOE may utilize its laboratories.
- D. Although the generation of intellectual property is not foreseen at this stage of cooperation, should DOE and the Designated Entities desire to undertake a joint project that could result in the creation of intellectual property, they should conclude an appropriate agreement therefor. Each such agreement should include appropriate provisions for carrying out the joint project, including such matters as technical scope, intellectual property protection and allocation, management, costs, cost-sharing and schedule of work.

### **SECTION 3 - MANAGEMENT**

- A. Each Participant intends to name one Principal Coordinator to supervise activities under this Implementing Arrangement. Unless otherwise determined, the Principal Coordinators should meet annually to evaluate the status of cooperation under this Implementing Arrangement. This evaluation should include review of the achievements, problems, and effectiveness of activities under this Implementing Arrangement. The Principal Coordinators should also consider and approve proposed future collaborative opportunities with a view toward maximizing the mutual benefits of cooperation.
- B. With the exception of joint projects described in Section 2 D., the Principal Coordinators should approve an Action Sheet for each cooperative activity. Each Action Sheet should include task description, objectives, milestones, schedule, and assignment of responsibilities for participating institutions.

- C. Subject to the prior approval of the Participants, the Principal Coordinators may appoint Technical Coordinators to manage specific cooperative activities initiated under this Implementing Arrangement and to establish and maintain working contacts at the staff level.

#### **SECTION 4 - GENERAL PROVISIONS**

- A. Cooperation under this Implementing Arrangement may commence upon signature of both Participants.
- B. The terms of this Implementing Arrangement may be altered in writing jointly by the Participants.
- C. Either or both Participants may discontinue this Implementing Arrangement at any time in writing.
- D. Each Participant should conduct the activities under this Implementing Arrangement in accordance with the laws, regulations, and policies of that Participant's Government and applicable international agreements to which that Participant's Government is party.
- E. Each Participant should handle information received from the other Participant in implementing this Implementing Arrangement in accordance with the applicable laws, regulations, and policies of the receiving Participant's Government.
- F. This Implementing Arrangement is not intended to create legally binding obligations between the Participants. The Participants understand that the cooperative activities are subject to available funds and personnel.

Signed at Abu Dhabi, in duplicate, on the 24th day of February, 2010, in the English language. A text in the Arabic language will be prepared and accepted at a later date.

**FOR  
THE DEPARTMENT OF ENERGY OF  
THE UNITED STATES OF AMERICA:**



**FOR  
THE MINISTRY OF FOREIGN  
AFFAIRS OF THE UNITED ARAB  
EMIRATES:**

