

**JOB DESCRIPTION**

**IAEA TECHNICAL CO-OPERATION EXPERT MISSION**

**PROJECT AND TASK NUMBER**: IRA4038 13

**PROJECT TITLE**: Upgrading NPPD's Safety and Engineering Infrastructure for Planning and Construction of Two NPP Units with Pressurized Light Water Reactors (PWR) in Bushehr

**TASK TITLE**: Assist NPPD's plan for potable water production through desalination of seawater by using light water NPP at Bushehr.

**MISSION DETAILS**:

Organize a national workshop on the use of IAEA tools for seawater desalination. This workshop will focus on raising awareness on the economic assessment, environmental issues, use of IAEA tools, and benefits of seawater nuclear desalination with focus on the use of harnessing waste heat from light water reactors in order to apply these concepts for a successful and safe nuclear desalination project at Bushehr.

**DUTY STATION**(**S**):

Nuclear Power Production and Development Company of Iran, Tehran, Iran, Islamic Republic of

**EXPERT'S COUNTERPART**(**S**):

Mr. Mehran Zia Sheikholeslami

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**DUTY PERIOD**:

Suggested start date: 2012-11-26

Total number of working days: 3

**DUTIES**:

To give presentations on the use of IAEA DE-TOP software for the thermodynamic analysis of light water nuclear power plant cycle, and provide technical advise on nuclear desalination.

**QUALIFICATIONS**: The expert has been very active in working with IAEA for the development and utilization of the IAEA DEEP software.

**REQUIRED LANGUAGE**(**S**): ENG

**BACKGROUND PROJECT INFORMATION**:

To strengthen the owner's capabilities for the successful implementation of two NPP units with pressurized light water reactors (PWR) in Bushehr for the safe and reliable increase in the country’s electricity generation capacity.