

**JOB DESCRIPTION**

**IAEA TECHNICAL CO-OPERATION EXPERT MISSION**

**PROJECT AND TASK NUMBER**: IRA2012 06

**PROJECT TITLE**: Increasing NPPD's Capability in Planning and Implementing Activities Related to Design and Construction of Two New Pressurized Light Water NPP Units in Bushehr with Emphasis on Safety

**TASK TITLE**: 3.3.2 EM on management and maintaining design basis information through NPP life cycle

**MISSION DETAILS**:

With explicit reference to NPPD's contract for Bushehr's two new pressurized light water reactors and with emphasis on safety, the EM is to discuss the scope and structure of Design Basis Information and DK needed to be preserved throughout the NPP life cycle (results of start up, testing, operation, regulation, technical solutions, etc.) to develop taxonomy of DBI for further implementation within Plant Information System.

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

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

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

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**DUTY PERIOD**:

Suggested start date: 2016-04-23

Total number of working days: 3

**EXPERTS:** please refer to the attachment

**DUTIES**:please refer to the attachment

**QUALIFICATIONS**: please refer to the attachment

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

**BACKGROUND PROJECT INFORMATION**:

To further strengthen NPPD’s capabilities for the effective project management during the design and construction phases of its two new pressurized light water reactors with emphasis on safety.

Design Knowledge must be accessible and available to support plant safety whenever required. It must therefore be maintained and managed throughout all phases of design, licensing, manufacturing, construction, commissioning, operation, refurbishment and decommissioning. Design knowledge encompasses a wide scope and a tremendous amount of detail. It is multi-disciplinary, complex, and highly inter-dependent. It includes knowledge of the original design assumptions, constraints, rationale, and requirements and exists in both tacit and explicit forms, both of which are required and are complementary.

To further strengthen NPPD’s capabilities for the effective project management during the design and construction phases of its two new pressurized light water reactors with emphasis on safety.