**Bushehr NPP ToR for**

**Workshop on Experience Sharing on Periodical and in-service Inspection including inspection scope and volume, heat isolation removal and inspection frequency**

In Bushehr NPP, the technical inspections of equipment and pipelines comprise document review, internal visit, external visit, hydraulic or pneumatic test, and preparation of related reports. These inspections are implemented in accordance with the Russian regulations ПНАЭ Г 7-008-89, ПБ-10-115-96, НП-010-98, and ПБ-03-75-94. The period of implementation of technical inspections is mainly every four to eight years.

The following are some of the challenges in implementation of technical inspections:

* Acceptance criteria of technical inspection, hydraulic or pneumatic test can be interpreted.
* The possibility of increasing the time interval of technical inspections
* The possibility of reducing the volume of removing the insulation of pipelines and equipment for implementation of periodical technical inspections
* How to perform the internal visit of high-activity equipment and to determine compensatory actions and their acceptance criteria
* Not implementing some technical inspections during Planned Preventive Maintenance (PPM) and their postponement to next periods of Planned Preventive Maintenance
* How to implement the hydraulic test of pipelines containing oil and fuel (diesel generator, etc.)

In this regard, you are kindly requested to take appropriate measures with respect to conducting technical meeting with the following topics at Bushehr NPP:

* Getting familiar with solutions and experiences of other NPPs worldwide in implementation of periodical technical inspections of equipment and pipelines. What equipment and pipelines do they technically inspect?
* Getting familiar with solutions and experiences of other NPPs worldwide in terms of reducing the volume of removing the insulation of pipelines and equipment for implementation of periodical technical inspections
* Getting familiar with solutions and experiences of other NPPs worldwide in terms of increasing the time interval of the technical inspections and also the methods which they use for this purpose.