**INTERNATIONAL ATOMIC ENERGY AGENCY**

**TECHNICAL CO-OPERATION & ASSISTANCE PROGRAMME**

**EXPERT REQUEST FORM**

**N.B: this request form must be submitted to the IAEA at least 3 months prior to expected mission dates**

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|  **ADMINISTRATIVE MATTERS** |
| Project code: | IRA/ 2/013 |
| Project title: | Enhancing the Level of Operational Safety and Reliability of the Bushehr Nuclear Power Plant-1 |
| Title of mission:  | Expert Mission on Maintenance Optimization including equipment history, diagnostics and equipment reliability |
| Duty station: | BNPP |
| Administrative (including VISA Support) contact person:(specify address, phone and E-mail) | +98-021-24882808shokoohi@nppd.co.ir |
| Technical contact person:(specify address, phone and E-mail) | Mojtaba Momeni-AzadAddress: International Affairs Department, Bushehr NPP, Bushehr, IranTelephone: +98 77 3111 2589Mobile: +98 937 250 2218Email: momeniazad@nppd.co.ir |
| Duration of mission: | 5 days |
| Venue date proposal (provide 2):  | Quarter 4 / 2020 |
| Expected breaks and working hours during mission: |  |

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| **TECHNICAL CONTEXT** |
| Context of the mission – why is it needed:(add a justification for the request of the expert mission e.g. To support national project, IAEA project) | * To increase the reliability of important equipment for safety system and also important equipment for production (availability of unit). It is also needed for aging management and life extension of unit.
* To identify and correct the cause of failures that do occur despite the efforts to prevent them.
* To apply engineering knowledge and specialist techniques to prevent or to reduce the likelihood or frequency of failure.
* To apply methods for estimating the likely reliability of new design and for analysing reliability data.
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| Expected outcomes – what is needed: | * Get familiar with reliability scope and techniques
* Reliability data and data gathering
* Equipment screening for reliability
* Reliability prediction and improvement
* Reliability modelling
* Reliability testing
* System availability and mission readiness analysis and related reliability and maintenance requirement allocation
* Predictive and preventive maintenance
* Failure/reliability testing
* Technical documentation , caution and warning analysis
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| Expected number of attendees (people attending the mission):  | 10 |
| Level of the audience (specify the technical background and the professional experience of the attendees) | Basic |
| **EXPERT MATTERS** |
| Number of Expert/s expected:  | 2 |
| Field of Expertise: | Specialist in the field of reliability |
| Duties:  | Enough experience in NPP in the field of equipment reliability |
| Qualification of expert: |  |
| Acceptable working language of expert: | English, Russian |
| **If specific expert is suggested, please indicate the name and address. This does not mean that the expert will be automatically considered for the mission**.  |
| Name: Telephone: E-mail and Address:  |  |