**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) | +98-021-24882808  shokoohi@nppd.co.ir |
| Technical contact person:  (specify address, phone and E-mail) | Mojtaba Momeni-Azad  Address: International Affairs Department, Bushehr NPP, Bushehr, Iran  Telephone: +98 77 3111 2589  Mobile: +98 937 250 2218  Email: 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. | |
| 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 | |
| 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: | |  |