**INTERNATIONAL ATOMIC ENERGY AGENCY TECHNICAL CO-OPERATION & ASSISTANCE PROGRAMME**

**EXPERT REQUEST FORM**

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

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| **ADMINISTRATIVE MATTERS** | | | | |
| Project code: | | | | IRA/2/016\_2.5.1 |
| Project title: | | | | To enhance the owner’s capabilities towards the safe and reliable operation and maintenance of BNPP-1 and to increase the owner’s capabilities in activities for the design, construction, and commissioning of two new NPP units in Bushehr, in line with the country plan for improving |
|
| Title of mission: | | | | کد تسکDose Estimation from External and  Internal Radiation Sources |
| Duty station: | | | | Tehran- Iran |
| Administrative (including VISA Support) | | | |  |
| Contact person: | | | |  |
| (specify address, phone and E-mail) | | | |  |
| Technical Contact person: | | | |  |
| (specify address, phone and E-mail) | | | |  |
| Duration of mission: | | | | 1 week |
| Venue date proposal (provide 2): | | | | 11 June – 15 June 2022  18 June – 22 June 2022 |
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| Expected breaks | and | working | hours | Four 15 minute intermissions daily; |
| during mission: |  |  |  |  |
|  |  |  |  | 1 lunch break per day; |
|  |  |  |  | 40 hours total |

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| **TECHNICAL CONTEXT** | |
| Context of the mission- why is it needed: | In order to develop a safe and |
|  | practicable emergency preparedness |
| (add a justification for the request of the | program for NPPs, there should be |
| expert mission e.g. to support national  project, IAEA project)) | enough supporting information regarding  the emergency situation and postulated |
|  | consequences of each emergency |
|  | situation. Therefore, the need to acquire  the basic knowledge and skills necessary to provide these information is obvious. |
|  | One of the key information in such situations comprise of doses projected |
|  | from internal and external radiation |
|  | sources which should be estimated |
|  | beforehand for each type of emergency |
|  | situation. In order to do so, the |
|  | appropriate and certified means such as  codes, programs and standards shall be |
|  | used that the basics of which this |
|  | mission’s context will hopefully provide. |
| Expected outcomes- what is needed: | - Gaining competency in assessment of occupational exposure due to intakes of radionuclides;  - Gaining competency in assessment of occupational exposure due to internal and external sources of radiation;  - |
| Expected number of attendees (people | 2-4 |
| attending the mission): |
| Level of the audience (specify the | Audience with at least MSc. degree in |
| technical background and the | nuclear engineering with no less than 4 |
| professional experience of the attendees) | years of experience in radiation |
|  | protection field |
| EXPERT MATTERS | |
| Number of expert/s expected: | 1-2 |

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| Field of expertise: | Radiation protection; dose assessment; internal and external dosimetry; emergency planning. | |
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| Duties: | - | To present direct and indirect |
|  | methods to dose estimation due to |
|  | internal and external radiation |
|  | sources; |
| - | To provide practical examples of |
|  | internal and external dose |
|  | estimation; |
| - | To present different means of dose |
|  | calculations (equations, computer |
|  | codes, etc.) |
| Qualification of expert: | 20+ years of experience in radiation protection, dosimetry and emergency planning | |
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| Acceptable working language of expert: | English | |
| **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.** | | |
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| Name: Telephone:-  E-mail and Address: | | |
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