**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: | Project 2/014\_Task 5.2.1 |
| Project title: | Increasing the Nuclear Power Production and Development Company's Capability in Planning and Implementing Activities Related to Design, Construction and Commissioning of Two New Nuclear Power Plant Units with the Emphasis on Safety |
| Title of mission: | Workshop On How To Dedicate Commercial Grade Items For NPP for NPP applications |
| Duty station: | Nuclear Power Plant Development Company (NPPD Co.)-Tehran |
| Administrative (including VISA Support) contact person:  (specify address, phone and E-mail) | Add.: No. 8, Tandis St., Africa Ave. Tehran. 1915613663. IRAN. Shokoohi-Alirza  Tel.: +98-021-24882808  E-mail: shokoohi@nppd.co.ir |
| Technical contact person:  (specify address, phone and E-mail) | Add.: No. 8, Tandis St., Africa Ave. Tehran. 1915613663. IRAN.  Ordikhani-Hamid  Tel.: +98-021-24882661  E-mail: Ordikhani@nppd.co.ir |
| Duration of mission: | 3 Days |
| Venue date proposal (provide 2): | First Date Proposal: 16 Nov.- 2019 to 18 Nov.- 2019 (Saturday to Monday)  Second Date Proposal: 23 Nov.- 2019 to 25 Nov.- 2019 (Saturday to Monday) |
| Expected breaks and working hours during mission: | Morning: One break, Afternoon: One Break  Each Day: 9:00 to 16:30 |
| **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) | As everybody knows, nuclear facilities contain a subset of safety systems structures and components (SSC) that are required to demonstrate that they can, with responsible assurance, perform their safety functions and demand to either prevent or mitigate an accident condition. ASME NQA-1-2004 states that items or services that provide a safety function could be provided and/or performed under ASME NQA-1 QA program or be commercial grade dedicated ASME NQA-1. Therefore purchasing Commercial Grade Items (CGI) and services and verifying they are capable of performing specified safety functions is one way of obtaining the needed items and services for a NPP. Nowadays many contractors have some mechanism that allows commercial grade dedication (CGD) to take place. On the other hand suppliers/contractors increasingly intend to provide commercial items to NPPs rather than providing those ones which are required to be designed and fabricated in full compliance with strict QA requirements of ASME NQA-1. As a result of purchasing and usage of commercial items, costs and duration of supplying items could be significantly optimized. Therefore the NPPD Co. is very eager to fully realize international practices, requirements and process of providing CGD to support and facilitate supply of spare parts/equipment needed for BNPP-1. |
| Expected outcomes–what is needed: | ASME NQA-1a-9009 states that to utilize a CGI or service, controls shall be implemented to provide reasonable assurance that the item or service will perform its intended safety function. NPPC Co. expects the IAEA experts to provide NPPD Co. with the consensus requirements, processes, mechanism and controls required for implementing a successful commercial graded items dedication to NPPs and meanwhile it is looking for the experiences of IAEA and other countries in this regard. |
| Expected number of attendees (people attending the mission): | 25-28 people |
| Level of the audience (specify the technical background and the professional experience of the attendees) | The experts participating in the workshop have mostly BS degree in engineering approaches and have experiences in the field of design and engineering/ equipment and spare parts supply activities. |

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| **EXPERT MATTERS** | | |
| Number of Experts expected: | 4 experts | |
| Field of Expertise: | NPP's Items Procurement | |
| Duties: | Explain and elaborate the applicable requirements, constraints and processes for implementing an effective CGD. | |
| Qualification of expert: | Education and experiences in the field of design, engineering, manufacturing and procurement of NPP's components | |
| 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. | | |
| Name: ---  Telephone:---  E-mail and Address: --- | |  |