**Grant Application Form**

# Form C

**EVT1900215**

**Training Workshop on the Development of Severe Accident Management Guidelines Using the IAEA’s SAMG-D Toolkit**

**IAEA Headquarters, Vienna, Austria 9 to 12 December 2019**

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission

to the International Atomic Energy Agency (IAEA) either by email to: [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org) or by fax to: +43 l 26007

(no hard copies needed). Please also send a copy by email to the Scientific Secretary [A.Miassoedov@iaea.org](mailto:A.Miassoedov@iaea.org%20) and to the Administrative Secretary [K.Abdurasulova@iaea.org.](mailto:K.Abdurasulova@iaea.org.)

**Deadline for receipt by IAEA through official channels: 23 September 2019**

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| --- | --- | --- | --- | --- |
| Family name(s): (same as in passport)  TAVAKOLI | First name(s): (same as in passport)  ELHAM | | | Mr/Ms:  Ms |
| Mailing address:  Bushehr Nuclear Power Plant, Bushehr, IRAN | | Tel.: | +987731112580 | |
| Fax: | +987731112580 | |
| Email: e.tavakoli84@gmail.com | | |
| Date of birth (yy/mm/dd): 1984/05/03 | | Nationality: Iranian | | |

## Education (post-secondary):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name and place of institution | Field of study | Diploma or Degree | Years attended from to | |
| Sharif University of Technology (Tehran) | Nuclear Engineering | Master | 2008 | 2010 |
| Isfahan University of Technology (Isfahan) | Chemical Engineering | Bachelor | 2003 | 2007 |
| Safoura High School (Isfahan) | Mathematics | High School diploma | 1998 | 2002 |

1. **Recent employment record (starting with your present post):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name and place of employer/ organization | Title of your position | Type of work | Years worked from to | |
| Bushehr Nuclear Power Plant (BNPP), Bushehr, IRAN | Safety Engineer/Head of DSA group | Contractual | 2013 | present |
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1. **Description of work performed over the last three years:**

Peer Review of SAM related documents prepared by Russian Designer of BNPP-1 in the framework of the contract for development of BNPP-1 symptom-oriented emergency documentation set. Development of database for backup calculations (analyses) for development of BNPP-1 symptom-oriented emergency documentation set. Development of database, engineering handbook, input model (file) of BNPP-1 containment and primary circuit for analysis of AOOs, DBAs, BDBAs including SAs for technical support purposes of BNPP-1. Holding technical consultation meetings with Russian ATEX and IAEA experts in review of latest version of DB, EH and input model of BNPP-1 primary circuit and containment. Development of the stress test self-assessment report of BNPP-1 jointly with UJV Co. (Czech Republic) based on requirements of Iranian Nuclear Regulatory Authority (INRA).

Participating BNPP 2018 OSART mission in the area of accident management. Design review of BNPP new units (2,3) including PSAR. Detailed design review of IR-360 PWR documentation in the area of thermal-hydraulics and safety analysis. Peer review of safety/accident analysis reports of new generation of BNPP nuclear fuel (transition from UTVS to TVS-2M). Development of conceptual, basic and detailed design for implementation of mobile equipment aimed at increase of robustness of BNPP against consequences of extreme natural events. Review of internal and external operation experiences based on OE, SER, SOER and WER documentation and providing recommendations to the plant.

## Institute's/Member State's programme in field of event:

Enhancement of peer review of SAM related documents prepared by Russian Designer of BNPP-1 (in the framework of the contract for development of BNPP-1 symptom-oriented emergency documentation set) using the experiences of the event.

Enhancement in adopting of the generic Westinghouse approach for BNPP-1 SAMG development using the experiences of the event in the form of rendering technical recommendations to Russian ATEX Co.

Support in incorporation of stress test self-assessment findings in BNPP-1 symptom-oriented emergency documentation set.

Using the experiences of the event in future arrangements and preparation for drills, exercises, training and maintenance of BNPP-1 SAMGs.

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