

LTR-1000-208544

2018/09/15

No



To: Mr.A.V.Vostrikov

**Deputy General Director of Rusatom Service JSC for Operation Support –
ATEX JSC Managing Director**

Sub: TAVANA Co. Technical Support

Dear Sir,

With reference to the letter No. 340-0.1.20/1155 dated 27.08.18 concerning NRC Kurchatov Institute proposals for TAVANA Co.; we would like to express our thanks and appreciation to receive scientific and technical support from NRC Kurchatov Institute.

Along with receiving consultation services, we are planning to focus on enhancement of our specialists capabilities through supply of design-basis codes and software (e.g. COTRAN-M, RELWWER-UNI, and ...) as well as certify the code users by providing them with relevant training courses to improve scientific and technical support of BNPP operation.

Based on NRC KI offer, TAVANA welcomes commencement of works in the following areas:

- Deterministic safety analysis including use of DSA for evaluating design changes, supporting decision-making processes, revealing new issues, periodic safety review, safety justification of a design modification and operational events analysis using DSA methods;
- Living Probabilistic safety analysis including Establishment conducting phase;
- Operational events investigation methods (such as ASSET, MORT, and HPES);
- Power uprate for WER-1000 reactors;
- Physics of the WER reactor core and fuel cycles development;
- Physical experiments performance;
- Reactor in-core monitoring;
- Monitoring of FE jackets leak tightness;
- Maintenance of the primary circuit water chemistry;
- Analysis and evaluation of the reactor surveillance specimens test results and its application on the reactor life time management.

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In order to discuss more detail related to the a.m. areas of interest, design-basis codes and software developed by NRC. KI as well as conditions of training courses, TAVANA Co. is ready to arrange a meeting between its specialists and NRC KI representatives in Tehran at the earliest convenient date. You are kindly requested to inform us about your agreement and date for this meeting.

Sincerely yours

H.Ghaffari

Bushehr NPP Manager and Managing Director

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