**To: A.S. SIMAGIN**

**General Director of Atomtechexport Company**

**Subject:** Stress tests performance for BNPP-1

Dear Mr. A.S. Simagin,

Please be informed that based on the recommendation of WENRA dated 23.03.2011 to carry out stress tests for European nuclear power plants and also WANO recommendation stated in SOER 2011-2 "Fuel damage at NPP Fukushima Dai-ichi caused by earthquake and tsunami" stress tests for the BNPP-1 have been performed and the report on safety analysis of Bushehr NPP at extreme external impacts has been prepared by the ZAO ASE.

At the next stage, for implementation of stress tests program at the BNPP-1, the following measures have been considered:

* Purchasing and supply of equipment to the Bushehr NPP as per appendix No.1 to this letter. These equipment are under preparation and will be provided by the principal.
* Development of design for implementation of a.m. equipment at the BNPP-1 site (power supply from mobile diesel generators to AC/DC consumers, water supply to steam generator, modification of BNPP emergency I&C system to be capable to operate under conditions of beyond-design-basis accidents, modification of emergency and post-emergency sampling system, possibility to use sea water at unavailability of fresh water sources, …) and other measures which shall be considered in line with the stress tests program.

Taking into account the mentioned issues, please provide us with your technical and financial proposal on development of the design measures in order to implement the stress tests at BNPP-1.

Sincerely yours

**M.Z. Sheikholeslami**

**Deputy Managing Director on Technical and Engineering**

**Appendix 1**

**Technical specification of mobile equipment for stress tests of BNPP-1**

1. Diesel-generator: N=2 -2.5MW; 10KV; 0.66KV; 0.4KV; 220V of DC, 1 piece;

2. Diesel-generator: N=200 KW; 0.66KV; 0.4KV (including for power supply of I&C, emergency lightening and communication), 1 piece;

3. Diesel-pump: 90Kg.sec/cm2, 150 m3/h, 1 piece;

4. Motor pump: 12Kg.sec/cm2, 150 m3/h, 1 piece;

5. Motor pump: 5Kg.sec/cm2, 500 m3/h, 1 piece;

6. Motor pump: 5Kg.sec/cm2, 40 m3/h,1 piece.