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|  | Enclosure No. 1 to Letter № of \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ |

**List of candidates for sending to Tehran to «ТAVANA» Company**

| **No.** | **Duties** | **Company, position** | **Grade** | **Name** | **Note** |
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| 1 | **Establishment of the PSA based methods and development of risk monitoring tool for the BNPP-1:*** To review work done by TAVANA expert for performing the Living PSA (LPSA) for BNPP-1.
* Technical assistance/consultation for development of a data bank for LPSA
* Technical assistance/consultation for selection and verification of engineering software for preparation of Data bank for LPSA
* Technical assistance/consultation for development of a data bank for LPSA
* Verification and validation of the methods used for LPSA Level 1 and 2.
* Technical assistance/consultation for implementation of Risk monitoring system in BNPP-1
 | JSC VNIIAES | 6В | Letter No.340-01-19/710 dd. 24.07.2017 was sent to BNPP (clarification related to application for dispatching to TAVANA Co.). |
| 2 | JSC VNIIAES | 6В |
| 3 | **Implementation of mobile Diesel Generator envisaged in BNPP-1 stress test programme:*** To review basic/detailed design for implementation of mobile Diesel Generator as well as approve of detail design
* To assist verification of basic/detailed design for implementation of mobile Diesel Generator and obtain approval of the Russian designer for implementation of design in the BNPP-1 site.
 | JSC VNIIAES | 6В | Nikolai A. Vinogradov | As per JSC VNIIAES request, due to the expert workload, you are kindly requested to consider the dispatching period during september-October 2017. |
| 4 | **Implementation of mobile equipment envisaged in: BNPP-1 stress test programme (mobile pump):*** To review conceptual design for implementation of mobile pump in the BNPP-1 stress test programme
* To render technical advice related to safety analyses required for implementation of mobile equipment.
* To review of basic/detail design for implementation of mobile pump in the BNPP-1 stress test programme
* To assist verification of basic/detailed design for implementation of mobile Diesel Pumps and obtain approval of Russian designer for implementation of design in the BNPP-1 site.
 | JSC VNIIAES  | 6В | Nikolai A. Vinogradov | As per JSC VNIIAES request, due to the expert workload, you are kindly requested to consider the dispatching period during september-October 2017. |
| 5 | **Establishment of emergency response center for BNPP-1:*** Technical assistance/consultation for development of general and technical requirement for establishment of emergency response center for BNPP-1.
* Technical assistance/consultation for development technical assignment (TA) for establishment of emergency response center for BNPP-1.
* To review of work done by TAVANA experts in the area of establishment of emergency response center for BNPP-1.
 | JSC VNIIAES | 6В | Alexey D. Kosov  | As per JSC VNIIAES request, due to the expert workload, you are kindly requested to consider the dispatching period from 25.08.17 to31.08.17 |
| 6 | **Vibration analysis of electro-generator:**Technical assistance/consultation for: * Forced vibration strength finite element analysis
* Modal vibration analysis
* Fatigue residual life assessment
* Vibration measurement and signal processing techniques
* Electromagnetic finite element analyzing using ANSYS Maxwell
* Cooling system of generator
* Techniques for vibration reduction (especially in bus bars)
 | PJSC Power Machines | 6В |  | The request has been sent to PJSC Power Machines, we are waiting for reply. |
| 7 | **Erosion/Corrosion Control, prediction and Management:**Technical assistance/consultation for: * Development of effective organizational structure/program for corrosion management
* International experiences concerning corrosion control and management in NPPs;
* Identification of dominant corrosion mechanism and critical location in BNPPs;
* Techniques and methods for corrosion control, prediction and management with focus on FAC
* Preventive actions especially for the systems and equipment exposed to the sea water environment.
 | JSC VNIIAES | 6В | Aleksandr F. Getman |  |
| 8 | **Water chemistry monitoring and optimization**Technical assistance/consultation for: * Justification and development of new chemistry regimes in BNPP circuits for operating
* Optimization of automated water chemistry monitoring system of the primary and secondary circuit
* Modernization of water chemistry instruments
 | JSC VNIIAES | 6В | Nokolai N. Soldatov  |  |
| 9 | **Vibration strength analysis of pipelines and equipment:**Technical assistance/consultation for: * Piping/equipment vibration strength assessment (visual and quantitative assessment)
* Piping/equipment vibration measurement and processing techniques
* Piping/equipment failure analysis including assessment of technical state and residual life of NPP unit components.
* Piping/equipment vibration simulation using Caesar II / Autopipe software.
* Main line/SBS Corrective actions
* Acoustic/Pulsation analysis.
* Flow induced piping vibration analysis.
 | JSC VNIIAES | 6В | * Viktor I. Polyakh
* Valery I. Baranenko
* Aleksandr Yu. Kuzmichevsky
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