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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** |
| --- | --- | --- | --- | --- | --- |
| 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 to  31.08.17 |
| 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 |  |