**PROJECT PROGRESS ASSESSMENT REPORT (PPAR)**

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|  | ***Explanations*** |
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| ***SECTION-1: OUTPUTS ACHIEVEMENT (mandatory for PPAR and project closure report)*** |
| Please refer to the project LFM and provide the following information |
| Outputs achieved as the results of the implemented activities  | Fully achieved1. 2. 3. |  |
| Outputs partially achieved or in progress and status  | Partially achieved or in progress:1. Maintenance program is optimized and updated**.** (90%)

2.Safety program is assessed and improved. (60%)3. Technical Support program is modified. (60%)4. BNPP training program is updated. (50%) | *Some of considered activities have not been conducted yet in this regard.* |
| Outputs non achieved and reasons | Non achieved: 1. 2.3. |  |
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| ***SECTION-2: EQUIPMENT & HUMAN RESOURCES(mandatory for PPAR and project closure report)*** |
| Please explain issues related to the equipment component. | * Establishment of permanent warehouse system in BNPP. **Output1.2**
* Developing the documents related to the maintenance and repair of equipment based on the technical manufacturing documents and the assembly drawings. **Output1.2**
* Developing the history of M&R for equipment and registering any changes in equipment constructions due to the M&R activities. **Output1.2**
* Preparing the checklist and control documents for main equipment during the M&R activities to increase the quality performance related to the M&R and analyzing the results. **Output1.2**
* Starting ageing management programmes by select limited equipment and generalize it for other equipment. **Output1.3**
 | *This can be related to request, reception, commissioning, installation, testing or functioning.* |
| Please explain issues related to the human resource (HR) component | * Basic requirements to equip the laboratories and workshops using the Balakovo training centre experiences. **Output1.4**
* Methods of training of the Maintenance and Repair personnel based on Systematic Approach to Training (SAT) **Output1.4**
* Increase the knowledge of NDT persons working on UT test and the performance of persons took part, in the mission.
* Performance indicator given in the proactive area are the same main indicator defined for BNPP which include human performance indicators, safety performance indicator from the point of view of IAEA
 | *In relation with fellowship, training, experts, and scientific visits.* |
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| ***SECTION-3: OUTCOME PROGRESS: (mandatory for Project Closure Report (PCR), Optional for PPAR)*** |
| Outcome statement | Assessment of BNPP performance and safety indicators and Improvement in some areas |  |
| Indicator(s) | 1. Safety performance indicators are collected. . Output1.1
2. Improvement of emergency management system of BNPP. . Output1.1
3. Performance indicator given in the proactive area is the same main indicator defined for BNPP which includes human performance indicators, safety performance indicator from the point of view of IAEA. Output1.1
4. 20 staff of M&R department capable of using the new methods in M&R process planning and implementation of procedures. Output1.2
5. Outage manager/planner needs good knowledge of production and Safety requirements (TEC SPEC) and Plant system operation Output1.2
6. Developing several procedures concerning M&R activities. Output1.2
7. Establishing the databases and datasheets for main equipment in the field of spare parts, special tools, consumer materials and etc. Output1.2
8. Improving the knowledge of BNPP performance in LPSA. . Output1.1
9. Methods for identification Reliability, safety and performance factors related to PLiM and AMP
10. IAEA to provide information to develop these interfaces and the functionality of both teams with regards to ageing management. Output1.3
11. The understanding of BNPP personnel drastically raised after mission; they got familiar with recent developments on the Ultrasonic Tests, probes, equipments and techniques; problems with Austenitic stainless steel measurements have been solved and these issues were discussed in the mission. Output1.3
12. related problems have been solved; NDT personnel are familiar with recently developed techniques and equipments; some ideas exchanged on the new UT methods and probes; ISI programs were discussed and clarified to NDT persons. Output1.3
13. WANO performance indicators thoroughly are calculated by BNPP. Output1.3
14. Familiarity with safety performance indicators from the point of view of IAEA.Output1.1
15. Improving the knowledge of BNPP performance in proactive management area.Output1.1
16. Improvement in safety culture can enhance safety performance. Output1.1
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| 1. Please state to what extent the expected outcome is being achieved.
 | Performance assessment in under way in some area which base on their results, improvement program will be developed. | *Progress in relation to the likelihood that the expected outcome will be achieved or not* |
| 1. Please provide details/ explanations supporting the statement
 | Developing and approving the assessment plan and safety management system improvement in the industrial safety and environment area (it is available n Persian)Establishing the supreme headquarters of NPPD and repairs headquarter in BNPP and preparing the action plan of the measures required for overall repairs (it is available in Persian).  | *Provide examples, (field) observations, or signs.**Attach any document supporting your statement* |
| 1. Please state any other achievements.
 | * Improving the knowledge of BNPP performance in proactive management area. . **Output1.1**
* Necessity of forming special group and specialized workshops for training the Repairs personnel. **Output1.4**
* Establishing the databases and datasheets for main equipment in the field of spare parts, special tools, consumer materials and etc. **Output1.4**
* Replacing the oldest type of equipment by the new modern one. **Output1.4**
* Receiving information related to other sites with using LPSA in operation.
* Familiarity with LPSA from the point of view of IAEA **Output1.1**.
* IAEA supporting for preparation of code. **Output1.1**
* Improvement of BNPP radioactive waste management program **Output1.1**
 | *Spin-offs, unexpected/unplanned benefits or negative effect(s)* |
| 1. Please explain issues encountered (if any)that affected the achievement of the outcome
 | Long duration of organizing the activities; for example conducting a scientific visit since the completion time and sending the forms last about 8 months.  | *Issues can be related to the overall project context* |
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