**IRA 2 011**

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**Project Objective**

To enhance the knowledge and competence of the operating staff in order to ensure the safe and reliable operation of Bushehr Nuclear Power Plant, Unit-1 (BNPP-1).

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|  | **Design Element** | **Indicator** | **Means of Verification** | **Assumptions** |
| **Outcome** | * Improved operational safety and reliability of BNPP-1 | * Performance and standard safety indicators are assessed and in some area improved by the end of 2013 in comparison with the baseline | * Annual report of performance section in 2013 IAEA and NPPD assessment and project review meetings | * Qualified external experts can be readily recruited for the implementation of planned activities and adequate progress is made in finding suitable institutes for hosting Scientific Visits and Fellowships. Adequate resources are available for providing laboratory equipment and improved access to proper computer codes necessary for nuclear safety. |
| **Output** | * 1   1.1 Safety program is assessed and improved | * Safety performance indicators are collected and analyzed by the end of 2013 | * Annual report of performance section in 2013 | * All planned inputs shall be timely available. |
| * 2   1.2 Maintenance program is optimized and updated. | * 20 staff of M&R department capable of using the new methods in M&R process planning and implementation of procedures | * Expert report | * All planned inputs shall be timely available. |
| * 3   1.3 Technical Support program is modified. | * 20 staff of Technical support department capable of using the new methods in planning and implementation of new methods for modernization of equipment and inspection activities | * Expert report | * All planned inputs shall be timely available. |
| * 4   1.4 BNPP training program is updated. | * All procedures and training plans are revised by the end of Q2 2013 | * Technical documentation centre report to the BNPP Director | * All planned inputs shall be timely available. |
| * 5   1.5 Staff trained in order to improve the technical capability of the Operating Organization to conclude the required contracts for operation and maintenance | * Number of staff trained by field nd qualification | * End of mission report and the bi-annual TC reports | * All planned inputs shall be timely available. |
| * 6   1.6 Improved overall HRM system for BNPP-1 | * Status report on the implementation of the WFP | * End of mission report and the bi-annual TC reports | * All planned inputs shall be timely available. |
| * 7   1.7 Improved performance of the BNPP-1 full-scope simulator | * Quarterly review of the workload and services delivered | * End of mission report and the bi-annual TC reports | * All planned inputs shall be timely available. |
| * 8   1.8 Increased capability of NPPD in application of nuclear oversight function | * Documentation and reports of the oversight functions implemented | * End of mission report | * All planned inputs shall be timely available. |
| * 9   1.9 BNPP Training Centre upgraded | * Number of trainers, their qualifications and the number of training activities implemented | * Expert's report |  |