

PROJECT PROGRESS ASSESSMENT REPORT (PPAR)

National Projects

		Explanations
SECTION-1: BASIC INFORMATION		
Project Number and Title	IRA 2 012, To further strengthen NPPD's capabilities for the effective project management during the design and construction phases of its two new pressurized light water reactors with emphasis on safety.	(prefilled)
Country	IRAN, IR	
Counterpart Name & Institution	Mohammad Ahmadian, Nuclear Power Production and Development Co. of Iran	
1st Year of Approval	2014	
Estimated Duration	4 Years	
Expected End Date	2017	
Total Project Budget (as per IAEA White Book)		
Reporting Period	January –December 2016	Tick one reporting period
Report Contributors	Amir Afshin Rahnama	Other contributors to the report besides counterpart
Has there been any major change that affected the project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, tick to specify nature of change(s): <input type="checkbox"/> CP ¹ <input type="checkbox"/> NLO ² <input checked="" type="checkbox"/> PMO ³ <input type="checkbox"/> TO ⁴ <input type="checkbox"/> Budget/funding; <input type="checkbox"/> Other (specify) [Provide explanation] Due to the efforts of the whole project team there is not negative impact on project implementation	Select "Yes" or "No" and, if "Yes", please tick relevant box(es) and describe nature of impact
SECTION-2: OUTPUTS ACHIEVEMENT		
Select status of Output and briefly describe elements of progress towards target indicators: (1 st column prefilled)		
Output 1: Project Management Team Operational (100%) Indicator(s): Team trained and available	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify) [Provide explanation]..... <u>Planned and completed:</u> <ul style="list-style-type: none"> All planned regular field monitoring and review missions on IRA2012 and IRA2013 projects implementation were completed (1.5.3). <u>Achievements:</u> <ul style="list-style-type: none"> Action plans reviewed and updated, needed adjustments and necessary additional measures timely made provided for successful implementation Requested additional assistance in high priority areas as effective project management and respective training completed very successfully 	Select status and provide explanation/ supporting background information (e.g., Why is the output delayed? What mitigation measures have been taken to solve the issue?)
Output 2: Improved owner's safety and engineering capacity for planning and construction of two light water reactor NPP	<input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify) [Provide explanation]..... <u>Planned and completed:</u> <ul style="list-style-type: none"> Assistance (EM) in seismic safety assessment completed in Oct. 2016 (2.1.1) in order to focus on some specific issues 	

<p>units(75%)</p> <p>Indicator(s):</p> <p>Demonstrated reliance on local staff to perform the necessary safety-related tasks and licensing processes</p>	<p>identified in preliminary and interim reports by contracting organizations.</p> <ul style="list-style-type: none"> Following mission on seismic safety is planned in Q2/ 2017. <p><u>Achievements:</u></p> <ul style="list-style-type: none"> The provision of initial design basis data for BNPP-2 has been pursued by contacting parties (NPPD and ZAO ASE) within the framework of "Engineering Survey" contract during 2015 The IAEA Specific Safety Guide SSG-9 has been adopted for seismic hazard evaluation of BNPP-2 The Iranian consultant prepared the preliminary and interim reports which were reviewed by Russian counterparts and some recommendations provided The report evaluated by IAEA, some recommendations provided to improve it. 	
<p>Output 3: An increased number of trained staff and implemented improved project management to promote and support strong ownership(75%)</p> <p>Indicator(s): Bi-annual lists of trained staff and training/qualifying events aimed at Increasing the capacity, enhancement of owner's competencies and continuous improvement of project management system to promote and support strong ownership with focus on nuclear safety</p>	<p><input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify)[Provide explanation].....</p> <p><u>Planned and completed:</u></p> <ul style="list-style-type: none"> Support (WS) on knowledge and risk management during preconstruction and construction phase of PWR with focus on safety completed in Q2 2014 (3.2.1). Assistance (EM) on management of design basis information through life cycle of BNPP-2&3 completed in Q2 2016 (3.3.2) Assistance (EM) on corporate knowledge management for BNPP-2&3, was done in Nov. 2015 (3.3.1) Assistance (EM) in reviewing selected/developed training materials will be performed on materials provided by the supplier of two new units in 2017 (3.1.1). Two Planned assistance (WS and SV) on nuclear material accounting and control during preoperational phases of the two new units in Bushehr are cancelled on the request by the counterpart (3.4.1 , 3.4.2) – all needed assistance provided for BNPP-1 <p><u>Achievements:</u></p> <ul style="list-style-type: none"> The strategy and programme for NPPD KM have been evaluated positively. Some recommendation for improvement KM system submitted by IAEA.NPPD is incorporating IAEA suggestion in his own system such as a plan with focus on improvement the process on critical knowledge. 	
<p>Output 4: Improved overall Human Resource Management (HRM) for the two new NPP units(60%)</p> <p>Indicator(s): Bi-annual report on the implementation of Workforce Plan aiming at Increased capacity and further strengthening the capabilities of the owner organization (NPPD) in improved overall Human Resource Management for new projects with focus on nuclear safety</p>	<p><input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify)[Provide explanation].....</p> <p><u>Planned and completed:</u></p> <ul style="list-style-type: none"> Group FSs Training programme on BNPP-2&3 Project management team (20NPPD trainees) completed in August - September 2015 at International Construction Training Centre, ICTC in China (4.1.3). Group Fellowship Training on construction and commissioning management with focus on safety requirements is planned for Q4 2017(4.1.5). An additional requested assistance (EM) on comprehensive model for effective project management of two new NPP units, completed in November 2015(4.1.4). Planned assistance (EM) in evaluation of the developed Training Programmes and updating owners' training system for the two new PWR is postponed to 2017 (4.1.1 merged with 4.2.1). 	<p>Insert additional rows if more than 4 outputs</p>

	<ul style="list-style-type: none"> EM to assist in the review of the developed Project Management System for units 2 and 3 of the new project is planned for 2017. <p><u>Achievements:</u></p> <ul style="list-style-type: none"> Significant increase of Iranian senior engineers' knowledge and competence for preparation of updated nuclear power programme in terms of all aspects related to pre-construction, construction management and PWR technology. 27 high level managers of the owner organization (NPPD) and relevant TSO with increased capacity and strengthened capabilities on effective project management for construction, infrastructure and supply chain related expertise of the BNPP-2&3 projects. On the basis of recommendations provided topics for additional assistance in 2017 are under consideration. 	
<p>Output 5. Increased capabilities in adherence to safety and quality requirements by local organizations participating in manufacturing and construction of two new NPPs(30%)</p> <p>Indicator(s):Draft plan for the "Enhancement of national participation in planning and implementation of the project for the two new NPP units in Bushehr,</p>	<p><input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify)[Provide explanation].....</p> <p><u>Planned and completed:</u></p> <ul style="list-style-type: none"> Assistance (WS) on addressing safety and quality requirements in construction of new PWR units for compliance by participating local organizations is postponed for 2017 (5.1.1) after implementation of 4.1.3 in 2015 <p><u>Achievements</u></p> <ul style="list-style-type: none"> Achievements to be expected in 2017. 	
<p>Output 6. Increased public information and awareness (50%)</p> <p>Indicator(s):Final strategy Documents for owner(NPPD) and the draft plan for the "Establishment and implementation a public information and awareness programme" available for the endorsement of NPPD's authorities by Q4-2014</p>	<p><input type="checkbox"/> Completed <input checked="" type="checkbox"/> On schedule <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify)[Provide explanation].....</p> <p><u>Planned and completed:</u></p> <ul style="list-style-type: none"> On the completion of the assistance (WS) on public information and awareness programmes" in Sept. 2014 (6.1.1), the requested additional follow-up assistance to review draft Stakeholder Involvement Plan is planned for 2017 (6.1.3).Additional assistance (SV) is also planned in 2017(6.1.4) <p><u>Achievements:</u></p> <ul style="list-style-type: none"> Finalization of NPPD's Stakeholders Involvement Plan and establishment of Public Information and Awareness Centre are expected in 2017. 	
SECTION-3: EQUIPMENT & HUMAN RESOURCES		
<i>Based on TC Input categories, rate overall contribution towards achievement of project Outputs of Procurement and Human Resources capacity building Activities implementedthus far</i>		
Equipment (EQ)/ Sub-Contract (SC)	<p><input checked="" type="checkbox"/> Not Applicable</p> <p><input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....</p>	<p>Select overall rating and provide explanation/ supporting background information deemed relevant to support rating</p> <p>(e.g., Is the procured EQ on schedule as regards delivery/ custom clearance/ installation-commissioning/ utilization? If not, what is being done to overcome</p>
Expert Missions (EM)	<p><input type="checkbox"/> Not Applicable</p> <p><input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....</p>	

		difficulties?
Fellowships (FE)	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	How did/ will the training received through FEs/ SVs support the establishment of new services? Are the trainees still employed?
Scientific Visits (SV)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	How did/ will the technical guidance received during/after EMs help improve capabilities of the Counterpart Institute?
National Training Courses (TC)	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	Was/will the knowledge and experience gained by TC/ WS participants shared/ be shared among colleagues to enhance institutional performance? How was/ will this done/ be done?)
Meetings (MT)/ Workshops (WS)	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor [Provide explanation].....	
SECTION-4: COMMENT AND RECOMMENDATIONS BY CP		
Rating by CP	The project performance: <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation]..... The support received from the Agency: <input type="checkbox"/> Very Good <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor [Provide explanation]..... we need more IAEA support in administrative issues and technical issues, some difficulties are such as; <ul style="list-style-type: none"> Long duration of organizing the activities; for example conducting a scientific visit Difficulties with timely issuance of entry visa for NEX and IEX Involvement of some professional experts from western countries such as Spain, Germany ,... 	Select rating based on experience thus far and provide explanation/ supporting background information deemed relevant to support rating
Lessons learned	Above mentioned issues.	Highlight key factors of success / failure that can promote/ hinder the achievement of project outputs and may impact TC Programmedelivery
Recommendation(s) by CP to:	<input checked="" type="checkbox"/> PMO As above. <input checked="" type="checkbox"/> TO <input type="checkbox"/> NLO/Government <input type="checkbox"/> CP Management <input type="checkbox"/> Other (specify)	Select addressee and provide recommendation(s) to be addressed
SECTION-5: OUTCOME PROGRESS: (1st column prefilled)		
Outcome Statement To establish effective project management processes during the design and construction of the two new pressurized water (PWR) nuclear power plant (NPP) units in Bushehr with emphasis on safety.	<input type="checkbox"/> Achieved <input checked="" type="checkbox"/> To be achieved as planned (on schedule) <input type="checkbox"/> Delayed <input type="checkbox"/> Other (specify) [Provide explanation]..... Considering above mentioned issues and with accomplishment of planned activities in 2017 as the last year of the project, it is expected to achieve a good progress in project stated objectives.	Select status and provide explanation/ supporting background information (e.g., based on the outcome indicator and its target value, to what extent the outcome is being achieved? Is there any deviation from expectations? Why?)

Outcome Indicator (s) A comprehensive set of project management processes during design and construction phases of the two new PWR NPP units in Bushehr		

SECTION-6: CLEARANCE BY NLO		
Clearance by NLO	Date:	Day, Month and Year
	Remarks:	Provide any additional remark deemed relevant
SECTION-7: FEEDBACK BY IAEA ON THE REPORT		
Comments by TO(s)	<input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor Provide explanation].....	Rating and feedback from TO(s) on the report
Comments by PMO	<input type="checkbox"/> Very Good <input type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input type="checkbox"/> Very Poor Provide explanation].....	Rating and feedback from PMO(s) on the report

¹CP: Counterpart

³PMO: Programme Management Officer

²NLO: National Liaison Officer

⁴TO: Technical Officer