

Internal Ex-Post Evaluation for Grant Aid Project

conducted by Middle East and Europe Department: December, 2013

Country Name	Project for Improvement of Training Equipment for the Institute of Technology of Fisheries and Aquaculture of Alger (Projet de Renforcement des Equipements de Formation pour l'Institut de Technologie des Pêches et de l'Aquaculture d'Alger)
Algeria	

I. Project Outline

Project Cost	E/N Grant Limit: 594 million yen	Contract Amount: 590 million yen
E/N Date	March 2006, June 2006	
Completion Date	February 2008	
Implementing Agency	Institut Technologique des Pêches et de l'Aquaculture (ITPA) Alger (Currently Institut National Supérieur de la Pêche et de l'Aquaculture (INSPA))	
Related Studies	Basic Design Study: July, 2005-January, 2006	
Contracted Agencies	Consultant	Overseas Agri-Fisheries Consultants Co., Ltd.
	Contractor	-
	Supplier	JSM Ltd., Miho Shipbuilding Co., Ltd.
Related Projects (if any)	Other donor's Cooperation <ul style="list-style-type: none"> Technical cooperation of Spain for capacity training of teachers at fishery training institutions. (June 2006-July 2006) 	
Background	<p>Although Algerian economy had gained the momentum of growth backed by high price of petrol and natural gas, the number of unemployment had remained high. Thus, the diversification of economy out of hydrocarbon sector had been high priority, especially for creating the new employment as much as possible. Under the National Economic Recovery Plan (2001-2004) and 5-year Economic Growth Plan (2005-2009), the Algeria government continued its efforts to solve a problem of unemployment in Algeria. The modernization and industrialization of fishery and agricultural sectors was one of the major priorities of the government which were expected to absorb such a demand of employment. At the same time, the fishery sector had a problem that the actual fishery production in 2005 of approximately 140,000 tons was far below the estimated allowable catches of 280,000 tons per year. Therefore, as set in National Development Plan for Fisheries and Aquaculture (2003-2007), the government aimed to increase the fish production and strengthen human resources for this planned production increase.</p> <p>Under this situation, the government of Algeria requested the government of Japan for a grant aid project for procuring equipment necessary for training at Institut Technologique des Pêches et de l'Aquaculture (ITPA) Alger, which was responsible for training fishery workers in Algeria.</p>	
Project Objectives	Outcome To develop the knowledge and skills of human resources in the fishery industry by procuring training equipment at the Institute of Technology of Fisheries and Aquaculture (ITPA) Alger	
	Outputs Japanese Side <ul style="list-style-type: none"> Inshore training ship (80 tons) Engine simulator, training equipment for generation control, experimentation kit of basic electrical technology, experimentation kit of electronic equipment, workshop for freezing simulator Algerian Side <ul style="list-style-type: none"> Reservation and provision of a location to install the ground training equipment Clearing obstacles on the equipment installation site Installation of electrical power wiring and conduit water supply to the vicinity of the installation location of training facilities ashore. Preparation of access routes to deliver equipment Mooring area for the training ship 	

II. Result of the Evaluation

Summary of the Evaluation
<p>In order to increase the fish production and strengthen human resources, a new training plan was established in 2004 by the Ministry of Fishery and Marine Resources. However, the training ship of ITPA Alger was severely deteriorated, and since this was a trawler ship, it did not allow training for seine fishing, which was becoming an essential method in Algeria. Also the ITPA Alger had owned only a part of equipment for the disassembly and assembly of engine, it was not able to provide adequate training to real situation of the fishery. The training capability of ITPA Alger needed to be strengthened since it would be promoted to Institut National Supérieur de la Pêche et de l'Aquaculture (INSPA)¹ and was expected to provide extensive training programs and would be entitled to issue various certificates.</p> <p>This project has somewhat achieved its objectives. Both the number of cadet officers who complete the training course and the number of days per year for on ship seine fishing training have achieved the targets set at the ex-ante evaluation. INSPA can now implement both theoretical and practical trainings effectively. The working force in fishery sector increased</p>

¹ ITPA Alger was officially upgraded to INSPA in August, 2006. It is a university level institute administratively under the Ministry of Fishery and in terms educational programs, it is under the Ministry of Higher Education and Scientific Research.

from 2006 to 2009 about 31%, for those who have licensed, increase in 26%. However, the impact on increase of fish production is limited. Concerning sustainability, there was no problem observed in current status of operation and maintenance, institutional, technical and financial aspects. For relevance, the project has been highly relevant with Algerian development policy, development needs as well as Japan's ODA policy at the time of both ex-ante and ex-post evaluation. For efficiency, the project period slightly exceeded the plan.

In the light of above, this project is evaluated to be satisfactory.

1 Relevance

This project has been highly relevant with Algerian development policy "increasing the fishery production and creating job in the fishery industry as set in National Development Plan for Fisheries and Aquaculture (2003-2007) and the Master Plan of Development of Activities for the Fishery and the Aquaculture in the Horizon 2025 (officially adopted in 2011)", development needs "increasing the number of fishery officers and fishery workforces by providing practical training", as well as Japan's ODA policy "diversification of industries" at the time of both ex-ante and ex-post evaluation.

Therefore, relevance of this project is high.

2 Effectiveness/Impact

This project has achieved its objective to develop the knowledge and skills of fishery workforce, including cadet officers. The number of cadet officers who complete the training course and the number of days per year for on ship seine fishing training are in line with the targets set at the ex-ante evaluation. Before the project, the training of cadet officers or above level was commissioned to Institut Supérieur Maritime (ISM), currently Ecole Nationale Supérieur Maritime (ENSM) under the Ministry of Transportation. However, after the project, INSPA carries out those training courses by itself, and hence ENSM no longer conducts training. According to professors and administrative staff of INSPA, the quality of the training has improved by the ship and equipment provided by the project, as the courses at INSPA can be effectively carried out in the combination of theoretical and practical aspects, and thereby the skills and knowledge of students/trainees have improved.

As to impact, although the project has impact on the increase of the number of those who have obtained license and the fishery workforce to some extent (the working force in fishery sector increased from 2006 to 2009 by about 31%, for those who have licensed, increase by 26%), with the possible trend of exhaustion of coastal fishery resources, the resulting data shows a short of its impact upon the fish production.

Therefore, effectiveness/impact of this project is fair.

Quantitative Effects

Indicator(unit)	baseline value (year of BD: 2005)	target value (target year:2009)	actual value (target year:2009)	actual value (ex-post evaluation:2012)
Indicator 1 Number of officer cadets trained per year	40 per year (trained at ISM)	100 per year (60 will be added by the project who will be trainee at ITPA)	- INSPA Alger 88 - ITPA COLLO 17 * - ITPA ORAN 19	- INSPA Alger:86 - ITPA COLLO: 20 - ITPA ORAN: 22
Indicator 2 Number of days per year for seine fishing training on ship	0	140 days/year	135 days days/year	145 days/year

(Source: INSPA)

* There are seven fishery training institutes nationwide under the Ministry of Fishery and Marine Resources, among which ITPA Collo and ITPA Oran provide training courses for officer cadets or above.



Training Ship



Refrigeration Training Equipment

3 Efficiency

Although the project cost was within the plan (ratio against the plan: 99%), the project period slightly exceeded the plan (ratio against the plan: 125%) because of the delay of detailed design. Outputs were produced as planned.

Therefore, efficiency of this project is fair.

4 Sustainability

The equipment and ship provided by the project are maintained by INSPA. No problem has been observed in current status of operation and maintenance, institutional, technical and financial aspects of the executing institution.

Institutionally, the new staff members were recruited, which was considered necessary for the continuity of the project effect, and there is a system that INSPA receives technical assistance on ground training equipment from the Algerian ship construction sites in Algeria. On technical aspect, the equipment installed in INSPA is assured by the professors who utilize the equipment and had been trained during the installation and activation by the Japanese technical team. In addition, the

team of maintenance of equipment (engines and other parts) does conduct the periodic training programs for the professors who use the equipment. Financially, the total budget of INSPA exceeds the amount estimated necessary for operation and maintenance costs at the time of ex-ante evaluation, and actually INSPA spent the operation and maintenance costs for the ship and equipment periodically as planned.

On the current status of operation and maintenance, the ship and equipment is well fully utilized and well maintained. The training ship has been sent to the dock for periodic maintenance in 2010 and 2012, and keeps the class certified by Bureau Veritas (The French bureau of shipping) after inspection.

Therefore, sustainability of the effect of this project is high.

III. Recommendations & Lessons Learned

Recommendations to implementing agency:

Considering the background that Algerian fishery shows the possible trend of exhaustion of coastal fishery resources, INSPA is recommended to modify the training plan in accordance with the actual trend of fish catches and resources and to implement it timely.