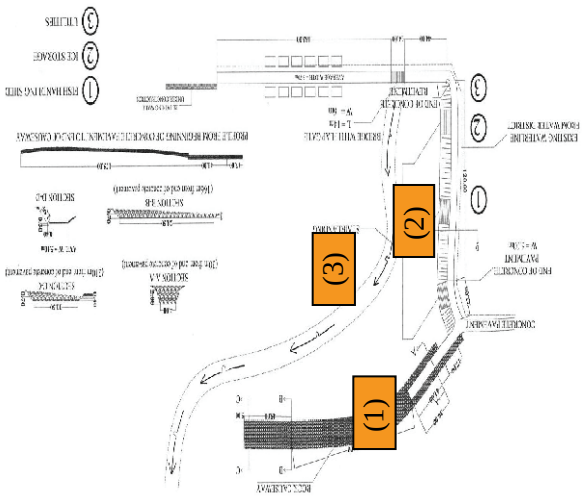
Concrete Stair Landing (no water at low tide) (2)



Damaged Breakwater (1)

Shallow basin at low tide (3)

Fig. 17.15 Calabanga Fish Port

Present condition of Jetty constructed 2004 as feeder ports (1)

Concrete Stair Landing (2)

Temporary Market Hall to be rehab. (3)

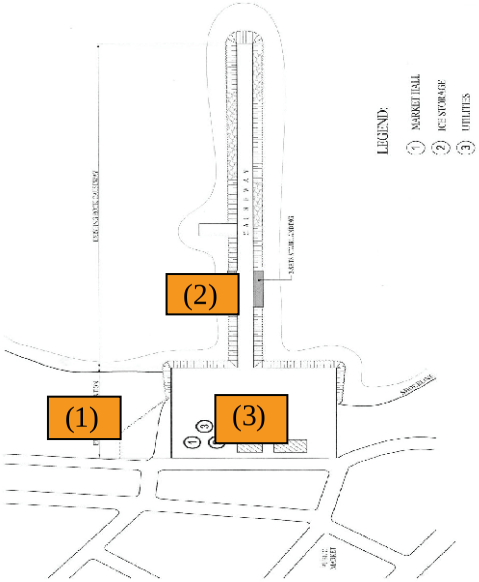


Fig. 17.16 Pasacao Fish Port

Present condition of causeway (1)

Proposed back up area for fish port facilities (2)

Access Road (3)

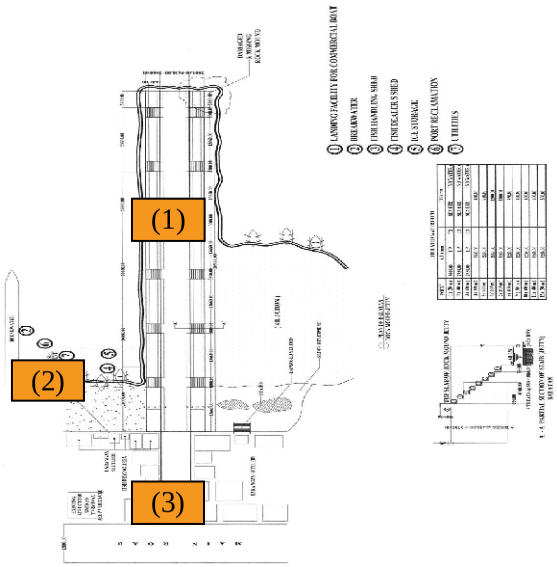
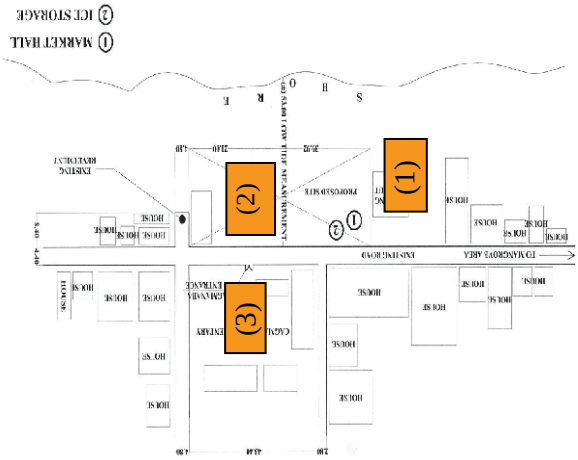


Fig. 17.17 Balatan Fish Port

Proposed Fish Port area along shore line (2)



Proposed Fish Port area along shore line (1)

Access Road (3)

Fig. 17.18 Oas Fish Port

Present condition of causeway to be raised up (1)

Fish cages in Tagaburi bay (2)

Tip of causeway to be developed fish port facilities (3)

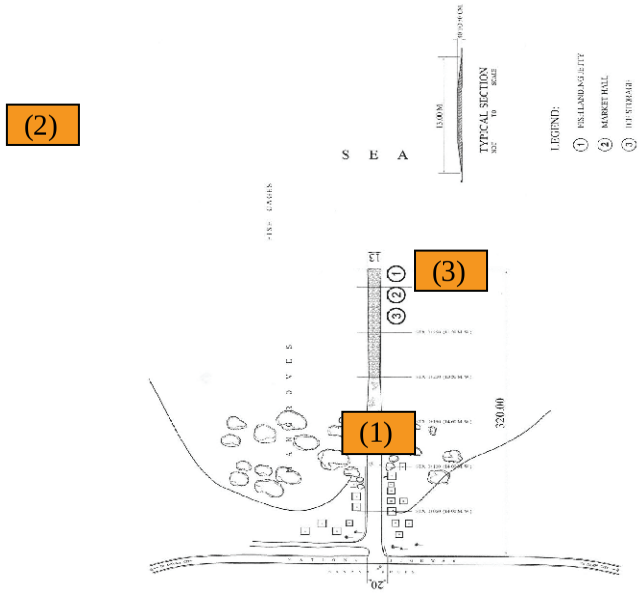
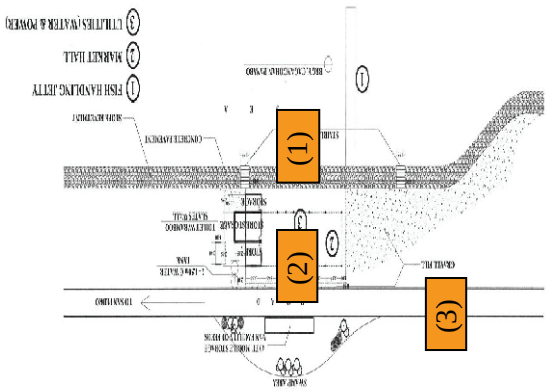


Fig. 17.19 Sta. Cruz Fish Port

Temporary Market Hall to be rehab. (2)

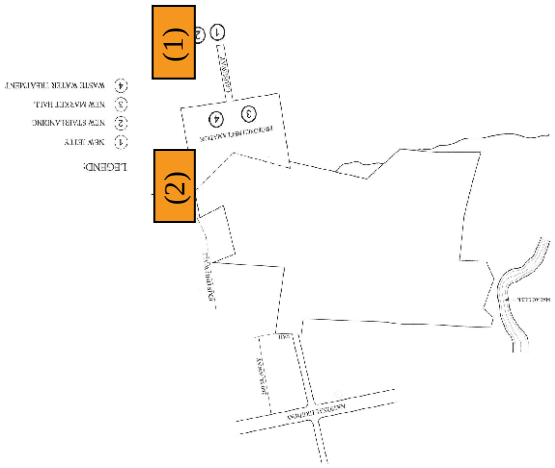


Fish Landing Facility to be rehab. (1)

Access Road (3)

Fig.17.20 Panabo Fish Port

Existing Shoe Line area (2)



Present condition of new Jetty (1)

Fig. 17.21 Mati Fish Port

Appendix 18. PDM

PROJECT TITLE : Nationwide Fish Port Project (Package III) TARGET GROUP : Fish port users (fishers, fish brokers/wholesalers/traders,fish procesors, etc.) DATE : 15 June 2010
PERIOD : 2012 - 2018 TARGET AREA : 6 Regional Fish Ports (Iloilo, Sual, Lucena, Camaligan, Davao. Bislig) and 5 Municipal Fish Ports (Concepcion, Subic, Atimonan, Calabanga, Sta. Cruz) VERSION : 001-NFPP(III)

NARRATIVE SUMMARY	INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS
< OVERALL GOAL > Fishery-related business and job opportunities are created in and around the fish ports.	1. Number of business enterprises establsihed 2. Number of workers in and around fish ports	- List of fishery-related enterprises registered to PFDA and LGU - Interview to port users	
< PROJECT PURPOSE > Fishes are effectively utilized with the increase of value-added products and reduction of postharvest loss.	1. Export value of fish processed products 2. Destinations of export of fish processed products 3. Average wholesale price of fresh fsh	- Record of export by each fish processor - Statistical record at regional fish ports - On-site survey of fish price at municipal fish ports (in December)	No economic crisis is happened.
< OUTPUTS > With the improvement and modernization of facilities and services of fish ports, the following outputs are obtained. 1. Fishing boats are more smoothly moored for unloading fish at the landing wharf/pier. 2. More fish are unloaded and distributed from project fish ports. 3. More fishing boats use the project fish ports. 4. More ice is produced at Iloilo, Sual, Camaligan and Bislig FPCs and distributed to the municipal fish ports. 5. Project fish port facilities for lease are fully used. 6. Financial status of project fish ports are improved.	1. Waiting time for mooring of fishing boats at peak month 2. Fish unloading volume by species 3. Average number of fishing boat entries 4-1. Average daily ice production volume 4-2. Average daily ice volume distributed to the municipal fish ports 5. Leasing rate of market halls (bays), cold/chilled storage rooms, HACCP fish processing units, 6. Income and expenditure of fish ports	- On-site survey record at fish ports (at peak month) - Statistical record at regional fish ports - On-site survey record at municipal fish - Statistical record at regional fish ports - Statistical record at regional fish ports - Operationall record at regional fish ports and municipal fish ports - Annual financial reports of each fish port	Fishery resources are well maintained at current level.
< ACTIVITIES > 1. Selection of Consultant for Engineering Services 2. Review of F/S and Detailed design of the project 3. Preparation and management of tender for selection of constructors/supliers 4. Supervision of construction and procurement work 5. Orientation for operation and maintenance of project facilitie 6. Technical Assistance (T/A) 6-1 Proof test for fish processed products for local markets 6-2 Improvement of HACCP planning and implementation 6-3 Establishment of fresh fish inspection & quality control sys 6-4 Establishment of market price information network system 6-5 Demonstration to private enterprises for fish port utilizatio 6-6 Public awareness for differenciation of fish treated at fish p 6-7 Guidance and assistance for better fish port operation and management	< INPUTS > 1. Rehabilitation and construction of 6 regional fish ports (Iloilo, Sual, Lucena, Camaligan, Davao, 2. Rehabilitation and construction of 5 municipal fish ports (Concepcion, Subic, Atimonan, Calabanga, Sta.Cruz) 3. Engineering Services 4. Despatchment of Experts 4-1 Fish Port Management 24 P/M 4-2 Fish Postharvest Technology 20 P/M 4-3 Fish Marketing 20 P/M 4-4 HACCP/Quality Control 20 P/M 4.5 Public awareness/Extension 20 P/M 5. CapacityBuilding of PFDA staff in Japan 16 P/M 6. Project Management Office (PMO)	[Philippine side] 1. Land acquisition and site clearance 2. Clearance of all taxes imposed in the Philippines. 3. Obtension of all necessary permissions for implementation of the Project. 4. Arrangement of counter-budget (15% of total project cost)	Proposed technical assistance (T/A) is extended as schedule. < PRECONDITIONS > Loan Agreement (L/A) is concluded as scheduled between JICA and GOP.

Appendix 19. Recommended Action Plan

	In order to achieve sustainable operations for each fish port the following essential conditions should be fully considered: (As per the FR Chap 20 conclusion & Recommendations, Page 2-177)	Recommended Action plan for Implementing agency	Output (draft)	When (recommended timing)
1)	Port management should seriously consider increasing the market charges and buyer/seller fees based on 1% of the value of the volume of fish landed at the fish port. The prevailing fees should be incrementally increased annually until the recommended rates are attained by 2025 at the latest;	(1) Hearing and discussions will be conducted for the port users and stakeholders before and after commencement of the implementation (construction works) started. (2) Improvement of the fish port facilities and services through implementation of the project. (3) Improvement of the fish quality (freshness, hygienic conditions, laboratory testing, including certification on the quality), services, reputation on the FPC. (4) Advertising campaign/ public relations on the improved facilities and services of FP. (5) Arrangement for port charge/rate increase, prior to the completion of the project facilities. (6) Provision of relevant rules and regulations to achieve succeeding annual increase of charge rate to achieve the target rate of 1% of fish value by the year 2025 which will be including the price inflation.	*letter of intension of the users *MOU/MOA *Record of minutes of discussion *Record of advertisement	*Oct 2010 *2015 *2015 and after *2015 and after
2)	Fish landing fees and transshipment fees may be retained at current rates but it is recommended that these be gradually increased at reasonable rates mutually acceptable to the port management and fish producers. This is justifiable because of the substantial improvements to made for development of essential port facilities for value adding of fish products;	Same as above column	Same as above column	Same as above column
3)	For Iloilo FPC, electrical charge must be reduced by adopting solar power generation system from the current rate of PhP11.30/kwh to Php 8.40/kwh to sustain the operation of the refrigeration facilities which is the major source of revenue of the FPC. This will in turn more entrepreneurs to relocate to Iloilo FPC because of the lower power rates. Based on key informants, many business had to relocate outside Iloilo City to avail of the lower power cost;	1) The negotiation and confirmation between local power company (PECO) and IFPC were already done and confirmation was made thorough the correspondence with PECO on March 25, 2010. 2) It is anticipated that by means of the international solar panel producers effort, the price of solar panels is drastically reducing. This situation is encouraging the position of solar power generation system.	* Letter of PECO on March 25, 2010 *MOA	*Prepared *1st Qtr. Of 2012
4)	For Sual FPC, the products of mariculture fish-cage should be handled at SFPC with fish unloading rate of Peso 6.00/tub instead of present Peso 2.80/tub. Close coordination between private sector, LGU and PFDA is indispensable.	1) PFDA will conduct hearing and discussion with fish cage operators (port users) and Sual LGU. 2) In order to promote the users, the project components, improvement of port functions and services through the project will be explained to the users 3) Revise the LGU fish port related ordinance to expedite the incoming users.	*letter of intension of the users *MOU/MOA *Record of minutes of discussion *Record of	*Oct 2010 *Mid 2015 *2015 and after *2015 and after
5)	In Bislig FPC, Camaligan FPC, and Iloilo FPC, port management should develop and implement an aggressive marketing plan/strategy to entice potential entrepreneurs to relocate and invest in these port complexes. Effective marketing of the port facilities include the renting out raw lands that is available for commercial use to generate the needed revenues to sustain the operation of the complexes;	1) Marketing plan to promote FPC users and processors. 2) Market survey 3) Close communication with potential users. 4) Appointment of marketing officer 5) Establishment of rules and budget on promotion activity in PFDA	*Marketing plan *List of potential users	*2012 *2010
6)	Technical assistance on port management is deemed critical for strengthening the capacity of PFDA staffs and concerned agencies such as BFAR in operating, maintaining and managing the proposed value-adding and laboratory facilities. In this regard, each port should (prior to commencement of Project operation) organize the staff/personnel to be trained under the technical assistance. A system and program of incentives and reward (e.g., promotion and providing competitive salaries) must be developed to maintain those who have been trained from leaving the complex to seek better opportunities. This system of incentives/rewards must be competitive to the extent possible; and	*As for capacity building and technology transfer through T/A, refer to relevant sections of FR *PFDA will establish the reward system for those who have skills knowledge experience and titles depend on the necessity for the fish port operation management and maintenance.		*2014
7)	As the investments on value-adding facilities to be installed for the regional fish ports are considerably high, and considering that the facilities will be the major of the complexes, port management should carry out O&M including maintenance whenever necessary on regular basis. Breakdowns brought about by insufficient funds and late action will certainly be detrimental to the sustainability of operations due to loss in revenue accruing from the non operation of the facilities. This will adversely affect port financial performance. The funds for renewal of depreciated machinery/facility will also be required	* Establishment of rules and guidelines on the maintenance of the machineries and facilities. * Provision of internal budget allocation system of PFDA * Establishment of corporate profit reservation system and rules.	*Budget allocation system *establishment of rules and regulation	*Draft 2012, take effect 2016 *Draft 2012, take effect 2016
8)	The establishment of PMO (Project Management Office) of PFDA is essential for the implementation of the Project.	* PFDA will establish and organize PMO (Project Management Office) detached directly to the Office of GM (General Manager) *The relevant budget for the PMO will be secured prior to project implementation	*Budget arrangement	*Mid 2013

Appendix 20. Details of T/A Component

Table20. 1 Details of T/ A Component (Fish Port management)

Project	Technical Assistance for Nationwide Fish Port Project (III)		
T/A Component	Fish Port Management (Soft-component of Japanese Yen Loan)		
Period	2 years（April 2016 – March 2018）		
Target Area / Beneficiary	Existing five (5) regional fish ports (Iloilo, Sual, Lucena, Camaligan and Davao) and Bislig fish port/ PFDA, fish cage operators, boat operators, and fish processors		
Executing Agency	PFDA	Cooperating Agency	

Background and Objectives:
Technical assistance (T/ A) aims for the improvement of the operation and maintenance capacity of the existing five (5) regional fish ports (Iloilo, Sual, Lucena, Camaligan and Davao) and the elaboration will be reflected to the Bislig fish port, newly construction. The super goal of the T/ A is that PFDA fish ports are soundly operation & managed, and it will be achieved not only improvement and renovation of facilities but also enhancement of quality of fish port
service. To achieve the super goal of the T/A, objective of this component is to improve fish port operation & maintenance. As a result of implementation of this component, the facilities improved and renovated in the project will be utilized efficiently.

Project Purpose

Super Goal: Improvement of fish port operation & management **Project Purpose:** 1. Improvement of port operation and maintenance system 2. Promotion for fish port utilization	**Output:** 1. Fish port operation and maintenance system will be established, revised, accepted by the stakeholders and implemented (including rues & regulations, port utilization charge/ fees, and organization structures) 2. Project facilities are effectively utilized as projected with increase of number of lessees.

Activities	Output	Year			
		1	2	3	4
1. Improvement of port operation and maintenance systems 1.1 Organization structures 1.2 Fish port operation & management system 1.3 Port facility maintenance system	1) Operational rules & regulations 2) Port charge/fee schedule, 3) Stakeholders workshop report 4) Maintenance schedule 5) Organizational diagram	--------- --- ---	--------- --- ----- --		
2. Assistance in promotion for fish port utilization 2.1 Demonstrate and extend the merits to use the modernized market hall to fish producers and traders 2.2 Encourage fish cage operators to use fish ports 2.3 Encourage boat operators to use fish ports 2.4 Encourage fish processors to use fish ports	1) Facilities utilization ratio to operation plan 2) Number and scale of fishing boats entries 3) Number of fish processors (lessees) 4) Fish unloading & handling volume 5) Boat repair record		-- -- -- -- --		

Input

【Japanese side】
Personnel: Expert of Fish Port Operation & Management (24 P/M)
【Philippine side】
Personnel: Port Managers (Iloilo, Sual and Lucena)
Facilities & Equipment to be provided: Office space and office equipment

Points to be considered

- To promote understanding of operation and management of fish port, OJT will be conducted.
- The activities of this component will be programmed with the schedule of the construction works for coordination to ensure successful implementation.

Table 20.2 Details of T/ A Component (Development & Extension of Fish Processing Technology)

Project	Technical Assistance for Nationwide Fish Port Project (III)		
T/A Component	Development & Extension of Fish Processing Technology		
Period	2 years（April 2011 – March 2013）		
Target Area / Beneficiary	Iloilo, Lucena, Sual /Existing Fish Processors		
Executing Agency	PFDA	Cooperating Agency	BFAR

Background and Objectives

Dominant fish species unloaded are consisted of small pelagics (sardines, juvenile of eastern little tuna, etc.) in Iloilo and Lucena areas and skipjack in Sual area (west coast of Luzon Island). The catch volume of these species largely fluctuates by seasons. Certain volume of fish cannot be treated and/or sold causing the drop of fish freshness, and some portion of these surplus fish are reported to be disposed in some ports. Furthermore, no fish processing methods other than traditional methods such as drying, salting and smoking. In these points of view, the most of postharvest loss (both physical and economic) might be caused in small pelagics and skipjack having large volume of catch. The proposed technical assistance is aimed to develop and extend new fish processing technologies as one of the measures for effective utilization of the abundantly caught fishes.

Project Purpose

Super Goal	**Output**
With development of new fish processed products, the abundantly caught fishes (sardine, eastern little tuna, and skipjack) are effectively utilized. **Project Purpose** The fish processed products which are acceptable by local markets are developed.	1. The consumer's demand and taste for fish processed products in the target areas are identified. 2. At least 3 kinds of fish processed products acceptable by local markets are developed. 3. Small and medium-scale fish processors in target areas tackle on processing of the developed products.

Activities	**Output**	Year			
		1	2	3	4
1. Market research					
1.1 Demand survey for skipjack products in the northern Luzon and Manila	Survey report	--			
1.2 Demand survey for products of small pelagics in Iloilo and Manila	Survey report	--			
2. Development of new fish processed products					
2.1 Experimental fish processing (skipjack, small pelagics)	Recipe for fish processing	--	-		
2.2 Quality and sanitary inspection of products	Inspection record	--	-		
2.3 Sales promotion of products (Experimental sales)	Label, package	--	-		
3. Enlightening and extension of processing techniques to local fish processors					
3.1 Extension of processing technique to local fish processors	Extension record, processed volume		----		
3.2 Enlightening to consumers	HP, pamphlets		----		

Input

【Japanese side】

Personnel: Fish processing expert (20 p/m), Equipment: Fish processing equipment (US$30,000)

【Philippine side】

Personnel: PFDA: Port managers (3), Officer in charge of marketing (3)

NFRDI/BFAR: Researcher on fish processing (1)

Facilities: Existing fish port facilities (for fish processing), BFAR's fish processing/inspection laboratories, Office space with office equipment

Points to be considered

1. Demand survey is conducted to identify the distribution status of both fresh fish and processed products of the target species and the taste of local consumers by questionnaires, interview and observation.
2. Experimental fish processing and inspection are conducted by using the existing BFAR's fish processing laboratory (Region-V) and fish inspection laboratory in Manila. However, it is necessary to procure smoking kiln, vacuum packer and cooking equipments by the T/A. These equipments are used not only in the existing BFAR's laboratories but also in the target fish ports (for demonstration and extension purpose).
3. As for the selection of candidates for expert, as the scope of works cover both fish processing technology and sales promotion (enlightening and extension), two experts in the respective field (fish processing in the 1st year and fish marketing/extension in the 2nd year) had better be procured.

Table 20.3 Details of T/ A Component (Improvement of Fresh Fish Quality)

Project	Technical Assistance for Nationwide Fish Port Project (III)		
T/A Component	Improvement of Fresh Fish Quality		
Period	3 years（April 2014 – March 2017）		
Target Area / Beneficiary	Iloilo, Lucena, Davao / Boat Operators, Fish Brokers & Buyers		
Executing Agency	PFDA	Cooperating Agency	BFAR

Background and Objectives

The market halls inside the PFDA's regional fish ports have a core role as regional fish wholesale market, and about 60 – 90 metric tons of fishes are dealt in IFPC and LFPC. With the Yen-loan project, the market halls are to be totally rehabilitated and expanded so as to ensure the hygienic environment and smooth fish distribution. On the other hand, as for the qualitative improvement of fishes, it is necessary to expedite the improvement of services (activities) such as improvement of fish handling/trading methods (use of sufficient water and ice, better quality of fish containers, etc.), control of entry of persons not directly related to the market hall, control of low quality fish through sensory inspection, provision of price information needed by stakeholders, etc. The purpose of the proposed T/A is to improve the services related to fish handling and trading, fish quality inspection and assurance, differentiation between fishes dealt in the target fish ports and those dealt outside fish ports (branding), so as to improve value of fishes.

Project Purpose

Super Goal	**Output**
The status and popularity of target fish ports are improved and more fishes are dealt at the market halls of target fish ports. **Project Purpose** Quality and value of fishes dealt at the market halls of target fish ports are increased.	1. Fish handling and trading are adequately controlled in the market halls of target fish ports based on GMP/SSOP. 2. Fish price information services are provided based on the needs of stakeholders. 3. Fish quality assurance system (standards, operational rules and regulations, organization) is established. 4. Illegally caught and low quality fishes are not handled in the market halls. 5. At least 10% of fish handling volume in the market halls are quality-assured by label, etc.

Activities	**Output**	Year			
		1	2	3	4
1. Improvement of fresh fish handling and trading					
1.1 Review and amendment of GMP/SSOP process	Rev. GMP/SSOP	--			
1.2 Introduction of ID system to stakeholders	ID goods (cap, etc.)	--			
1.3 OJT on GMP/SSOP to PFDA personnel	Training record		----		
2. Introduction and extension of market price information services					
2.1 Needs assessment of port users on price information	Assessment report	--			
2.2 Designing of price information service system	Guideline, drawing	--			
2.3 Experimental introduction to target fish ports	Experiment record		----		
3. Establishment of fish quality assurance system (QA)					
3.1 Preparation of operational guidelines for fresh fish inspection and assurance	Guideline		----		
3.2 OJT of inspectors on QA system	Training record		--	----	
4. Extension and enlightening of quality QA system					
4.1 Preparation of tools for demonstration and advertisement	HP, Posters		---	--	
4.2 Regional branding of special fishery products	Volume of branded fish			----	

Input

【Japanese side】

Personnel: Fish marketing expert (20 p/m), Information service/enlightening & extension expert (20 p/m)

Equipment: Quality inspection & assurance equipment (Thermometer, labeling machine, etc.: US$10,000)

【Philippine side】

Personnel: PFDA: Port managers (2), Harbor & Market Operation Chiefs (2), Officers in charge of QA (2)

Facilities: Existing fish ports (market halls), office space and office equipment

Points to be considered

1. The proposed T/A should be implemented as a yen-loan attached T/A, in combination with other T/A (improvement of quality of fish processed products) having similar objectives, scopes and periods, so as to obtain the multiplier effects and the work effectiveness.

Table 20.4 Details of T/ A Component (Development and Extension of HACCP, Quality Control)

Project	Technical Assistance for Nationwide Fish Port Project (III)		
T/A Component	Development and Extension of HACCP, Quality Control		
Period	3 years（April 2014 – March 2017）		
Target Area / Beneficiary	Iloilo, Davao, Camaligan, Sual FPC /Existing Fish quality control laboratory		
Executing Agency	PFDA	Cooperating Agency	BFAR

Background and Objectives

The fisheries food processing industry has experienced a strong expansion in terms of quantitative growth, product diversification and the permanent incorporation of new and sophisticated technologies.

Nonetheless, prevention control system has not developed at the same rate and its structure still focuses upon the final points of the production chain and/or those establishments that constitute the final selling point.

Thus, it is necessary to develop a more prevention focused control system so that food safety is guaranteed from that actively involves the relevant production and commercial sectors as well as consumers.

The current analytical capacity does not enable an adequate control in the areas of fisheries sector including fish farming, which increasingly use more and antibiotics, hormones and other chemical components that require analytical skills to detect the residues they leave behind.

The major problems faced by the program related in the first is the need to develop a new approach as regards the management of the program, and secondly, to the need to strengthen the current analytical capacities in the context of the emergence of a series of new contaminants.

At the same time, there is a need to update and improve the analytical response capacity (that is, the process that begins with the taking of samples on the site and ends with the final analysis, including transport) as regards microbiological contaminants associated to emerging and reemerging diseases.

In this program, quality of processed fish products are aimed to be improve, and management of fish ports will have stabilized which resulting from stable operation of fish processing factories operated inside of ports (IFPC, DFPC, CFPC and SFPC) and beyond.

Project Purpose

Super Goal	**Output**
Safety of fisheries processing products in Philippines market is improved and security level of Philippines customer is increased **Project Purpose** Philippines fisheries processing Food Safety Program is strengthened.	1. Competency of food safety inspectors of BFAR, is improved and their level of inspection and supervision is increased. 2. Competency of PFDA staffs in regional fish port (IFPC, DFPC, CFPC and SFPC) will formulate HACCP program in the port and their level of inspection and supervision is strengthened. 3. Capability of food analysis at target laboratories is strengthened 4. The regional small and medium scale fish processing companies will have access to obtain information for HACCP Planning to encourage their product to export quality products.

Activities	**Output**	Year			
		1	2	3	4
1. Review of fish processed procedure					
1.1 Review the current GMP/SSOP and the current fish handling procedures in fish processed facilities in IFPC, DFPC, CFPC and SFPC regions.	Field survey reports	--			
1.2 Review the current monitoring procedure in competent monitoring authority relating to HACCP system	HACCP audit report	--	-		
2. Competency of food safety inspectors					

2.1 Conduct HACCP basic and inspection trainings for food safety inspectors. 2.2 Develop HACCP models for some selected foods and promote their related enterprises. 2.3 Instruct trainees on the method of formulation of inspection plan and monitor its programs.	Actual plan for HACCP accreditation Model plan of HACCP program	-	-- ---- -----		
3. Strengthen of Food analysis laboratory capability, relating to HACCP（DFPC, CFPC,IFPC）	SOP for current laboratory analysis				
3.1 Conduct training for HACCP laboratory analysis methods 3.2 Plan and implement validation plan for Laboratory work. 3.3 Training on analytical equipments 3.3 Formalize the analytical methods	HACCP laboratory methods		----	-- ---- -----	
4. Formulation of monitoring and sampling					--
4.1 Determination of products to be sampled 4.2 Determination of sampling numbers and handling methods 4.3 Develop procedures and methods for sample handling	Sampling methods for HACCP				-- ---

Input

【Japanese side】
HACCP Specialist (20 M/M)
Equipment for laboratory work (200,000 US$)
Glassware, chemical equipments, LC/MS, Microscope, computer, etc.
【Philippine side】
Counterpart personnel from Philippine side
PFDA port managers (IFPC, DFPC, CFPC and SFPC)
PFDA HACCP staff (IFPC, DFPC, CFPC and SFPC)
BFAR laboratory staff (Chemical and microbiology analysis)
PFDA Officers in charge of quality assurance (IFPC, DFPC, CFPC and SFPC)

Points to be considered

- Good manufacturing practice / Sanitation Standard Operating Procedures will be precondition for the implementation of HACCP program, and should be established.
- HACCP program shall be prepared according to methods of Philippine's competence agency (BFAR)
- Laboratories conduct analyses are planed to implement in the existing laboratories own by BFAR. However, laboratory facilities in fish ports will be use with completion of its construction by the Project
- Japanese specialist should prepare feedback system or share the information relating HACCP requirements to the Project. It is strongly requested to notifies the necessary information or changes of the HACCP requirement to construction for processing facilities in the fish port by the Project
- Small and medium scale fish processing enterprise are interested to HACCP program and cooperate to training.

Appendix 21. Project Cost Considering the Improvement/Construction of the Six Regional Fish Ports Only

Should the five (5) municipal fish ports be excluded from the scope of works, the Project will comprise only of the improvement/construction of the six (6) regional fish ports. Under this scenario, the project cost is estimated at Php. 5,082 billion.

Table 21.1 Project Cost (Regional Fish Ports Only)

	Cost Item	Amount (PHP million)	Share (%)
1	Project Costs	5,082	100
2	Foreign Portion (financed by JICA)	4,320	85
3	Local Portion (financed by GOP) *1	762	15

Note *1: The government of the Philippines (GOP) is burdened the commitment charge (PHP32 million) added to the above amount. Therefore defrayment of GOP is PHP 794 million.

Summary of the estimated project cost for the six (6) regional fish ports only is tabulated hereunder.

Table 21.2 Summary of Project Cost (Regional Fish Ports Only)

UNIT: 1,000 PHP

	Project Component	(A) Total of Base Cost (including VAT)	(B) Price Escalation (Local) 7.1% per year	(C) Price Escalation (Foreign) 1.8% per year	(D) Cost Considered Price Escalation (D) = (A)+(B)+(C)	(E) Contingency 8% (E) = (D) x Conti.(%)	(F) Total Cost (F) = (D) + (E)
1, Cost for Construction works and Equipment Supply							
1)	Package 1 (Iloilo)	557,874	34,420	44,297	636,592	50,927	687,519
2)	Package 2 (Sual, Lucena and Camaligan)	690,786	41,077	53,126	784,990	62,799	847,789
3)	Package 3 (Davao and Bislig)	715,097	44,884	57,675	817,656	65,412	883,069
4)	Package 4 (Equipment Supply)	1,662,482	68,383	139,770	1,870,635	149,651	2,020,286
	Sub-Total 1	3,626,239	188,764	294,869	4,109,872	328,790	4,438,662
2, Consulting Cost							
1)	Detail Design	187,304	0	0	187,304	0	187,304
2)	Construction Management	374,561	0	0	374,561	0	374,561
	Sub-Total 2	561,865	0	0	561,865	0	561,865
3, Sub-Total 3 (=Sub-Total 1 + 2)		4,188,105	188,764	294,869	4,671,738	328,790	5,000,527
4, Others							
1)	PFDA Administration Cost (PMO)	24,499	0	0	0	0	24,499
2)	Fish Port Management (T/ A)	37,050	0	0	0	0	37,050
3)	Land Accruement Expense (Bislig)	20,000	0	0	0	0	20,000
	Sub-Total 4	81,549	0	0	0	0	81,549
5, Total							
	Total Cost (=Sub-Total 3 +4)	4,269,653	188,764	294,869	4,671,738	328,790	**5,082,076**

Currency Portion	(1,000 PHP)	JPY Equivalent (1,000 JPY)
Japanese Yen Loan (85% of Total Cost)	**4,319,765**	**8,443,278**
Local Portion (15% of Total Cost)	**762,311**	-
Total	**5,082,076**	-

Note 1: Total Local Cost will be 838 (million PHP) includes Loan Commitment Charge.
Note 2: Loan Commitment Charge
= Total Cost x 0.85 x 0.1% x 7 years = 31,972 (1,000 PHP)
Note 3: 1US$=JPY90.520=PHP46. 312
Note 4: Abbreviation
PMO: Project Management Office
T/ A: Technical Assistance
Note 5: Breakdown of the cost for PFDA administration Cost (PMO) is shown in the table 18.2.2.

The disbursement schedule in case that the project is composed of only six (6) regional fish ports is shown in the following table.

Table 21.3 Disbursement Schedule (Regional Fish Ports Only)

Unit: 1,000 PHP

		Base Cost (2010)			2,012			2,013		
		Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
1	Base Cost of Package 1	83,681	474,193	557,874	0	0	0	0	0	0
	Price Escalation	0	0	0	0	0	0	0	0	0
2	Base Cost of Package 2	103,618	587,168	690,786	0	0	0	0	0	0
	Price Escalation	0	0	0	0	0	0	0	0	0
3	Base Cost of Package 3	107,265	607,833	715,097	0	0	0	0	0	0
	Price Escalation	0	0	0	0	0	0	0	0	0
4	Base Cost of Package 4	166,248	1,496,234	1,662,482	0	0	0	0	0	0
	Price Escalation	0	0	0	0	0	0	0	0	0
	SUB-TOTAL (=1+2+3+4)	460,812	3,165,428	3,626,239	0	0	0	0	0	0
5	Consulting Cost for Detailed Design	65,556	121,748	187,304	32,778	60,874	93,652	32,778	60,874	93,652
6	Consulting Cost for Construction Management	131,096	243,465	374,561	0	0	0	0	0	0
	GRAND TOTAL (SUB-TOTAL + 5+6)	657,465	3,530,640	4,188,105	32,778	60,874	93,652	32,778	60,874	93,652

Unit: 1,000 PHP

2014			2015			2016			TOTAL		
Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
27,894	158,064	185,958	27,894	158,064	185,958	27,894	158,064	185,958	83,681	474,193	557,874
8,806	11,692	20,498	11,412	14,747	26,159	14,203	17,858	32,060	34,420	44,297	78,717
35,149	199,179	234,328	48,788	276,466	325,254	19,681	111,523	131,204	103,618	587,168	690,786
11,097	14,733	25,830	19,960	25,794	45,754	10,021	12,600	22,620	41,077	53,126	94,204
27,527	155,986	183,513	44,043	249,577	293,620	35,695	202,270	237,964	107,265	607,833	715,097
8,690	11,538	20,228	18,019	23,285	41,304	18,174	22,852	41,027	44,884	57,675	102,559
55,416	498,745	554,161	55,416	498,745	554,161	55,416	498,745	554,161	249,372	1,413,109	1,662,482
17,495	36,891	54,386	22,672	46,532	69,204	28,216	56,347	84,563	68,383	139,770	208,153
192,074	1,086,827	1,278,901	248,203	1,293,211	1,541,414	209,299	1,080,259	1,289,557	732,700	3,377,172	4,109,872
0	0	0	0	0	0	0	0	0	65,556	121,748	187,304
43,699	81,155	124,854	43,699	81,155	124,854	43,699	81,155	124,854	131,096	243,465	374,561
235,773	1,167,982	1,403,755	291,902	1,374,366	1,666,268	252,997	1,161,414	1,414,411	929,353	3,742,385	**4,671,738**

The summary of the estimated base cost for the six regional fish ports which are split into 3 packages is shown in the table below.

Table 21.4 Summary of Base Cost (Regional Fish Port Only)

Unit: 1,000 PHP

Package	Regional Fish Port		(1) Cost of Construction for Each	(2) Total of Base Cost for Each Package	(3) Cost of Equipment for Each	(4) Total of Bare Cost for Each Site
1	ILOILO		557,874	557,874	803,916	1,361,791
2	SUAL		274,999	690,786	186,219	461,218
	LUCENA		268,099		47,438	315,537
	CAMALIGAN		147,688		219,252	366,940
3	DAVAO		75,815	715,097	88,741	164,556
	BISLIG		639,283		316,915	956,198
	TOTAL		1,963,758	1,963,758	1,662,482	3,626,239

The table hereunder shows the annual funding plan for each of the Package mentioned above.

Table 21.5 Annual Funding Plan for Each Package (Regional Fish Port Only)

Unit: 1,000 PHP

Package	Regional Fish Port	Municipal Fish Port	Items	Base Cost (2010)			2012			2013			2014			2015			2016			Total		
				Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
1	Iloilo		Base Cost (Construction Works)	74,715	423,387	498,102	0	0	0	0	0	0	24,905	141,129	166,034	24,905	141,129	166,034	24,905	141,129	166,034	74,715	423,387	498,102
			VAT (12%)	8,966	50,806	59,772	0	0	0	0	0	0	2,989	16,935	19,924	2,989	16,935	19,924	2,989	16,935	19,924	8,966	50,806	59,772
			Sub-total 1	83,681	474,193	557,874	0	0	0	0	0	0	27,894	158,064	185,958	27,894	158,064	185,958	27,894	158,064	185,958	83,681	474,193	557,874
			Price Escalation	0	0	0	0	0	0	0	0	0	8,806	11,692	20,498	11,412	14,747	26,159	14,203	17,858	32,060	34,420	44,297	78,717
			Sub-total 2	83,681	474,193	557,874	0	0	0	0	0	0	36,700	169,756	206,456	39,306	172,812	212,117	42,096	175,922	218,019	118,102	518,490	636,592
			Physical Contingency (8%)	0	0	0	0	0	0	0	0	0	2,477	14,039	16,516	2,545	14,424	16,969	2,616	14,825	17,441	7,639	43,288	50,927
			Consulting Cost for Detailed Design	10,085	18,730	28,816	5,043	9,365	14,408	5,043	9,365	14,408	0	0	0	0	0	0	0	0	0	10,085	18,730	28,816
			Consulting Cost for Construction Management	20,168	37,456	57,624	0	0	0	0	0	0	6,723	12,485	19,208	6,723	12,485	19,208	6,723	12,485	19,208	20,168	37,456	57,624
			PFDA Administration Cost (PMO)	5,544	0	5,544	0	0	0	0	0	0	1,848	0	1,848	1,848	0	1,848	1,848	0	1,848	5,544	0	5,544
			Fish Port Management (T/A)	1,852	10,497	12,350	0	0	0	0	0	0	617	3,499	4,117	617	3,499	4,117	617	3,499	4,117	1,852	10,497	12,350
			Land Accruement Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	121,332	540,876	662,208	5,043	9,365	14,408	5,043	9,365	14,408	48,366	199,779	248,145	51,039	203,220	254,259	53,901	206,732	260,633	**163,391**	**628,461**	**791,853**
2	Sual		Base Cost (Construction Works)	36,830	208,705	245,535	0	0	0	0	0	0	16,113	91,308	107,421	18,415	104,352	122,767	2,302	13,044	15,346	36,830	208,705	245,535
			VAT (12%)	4,420	25,045	29,464	0	0	0	0	0	0	1,934	10,957	12,891	2,210	12,522	14,732	276	1,565	1,842	4,420	25,045	29,464
			Sub-total 1	41,250	233,749	274,999	0	0	0	0	0	0	18,047	102,265	120,312	20,625	116,875	137,499	2,578	14,609	17,187	41,250	233,749	274,999
	Lucena		Base Cost (Construction Works)	35,906	203,468	239,374	0	0	0	0	0	0	8,977	50,867	59,844	17,953	101,734	119,687	8,977	50,867	59,844	35,906	203,468	239,374
			VAT (12%)	4,309	24,416	28,725	0	0	0	0	0	0	1,077	6,104	7,181	2,154	12,208	14,362	1,077	6,104	7,181	4,309	24,416	28,725
			Sub-total 2	40,215	227,884	268,099	0	0	0	0	0	0	10,054	56,971	67,025	20,107	113,942	134,049	10,054	56,971	67,025	40,215	227,884	268,099
	Camaligan		Base Cost (Construction Works)	19,780	112,085	131,864	0	0	0	0	0	0	6,294	35,663	41,957	7,193	40,758	47,951	6,294	35,663	41,957	19,780	112,085	131,864
			VAT (12%)	2,374	13,450	15,824	0	0	0	0	0	0	755	4,280	5,035	863	4,891	5,754	755	4,280	5,035	2,374	13,450	15,824
			Sub-total 3	22,153	125,535	147,688	0	0	0	0	0	0	7,049	39,943	46,992	8,056	45,649	53,705	7,049	39,943	46,992	22,153	125,535	147,688
			Sub-total 4 (=1+2+3)	103,618	587,168	690,786	0	0	0	0	0	0	35,149	199,179	234,328	48,788	276,466	325,254	19,681	111,523	131,204	103,618	587,168	690,786
			Price Escalation	0	0	0	0	0	0	0	0	0	11,097	14,733	25,830	19,960	25,794	45,754	10,021	12,600	22,620	41,077	53,126	94,204
			Sub-total 5	103,618	587,168	690,786	0	0	0	0	0	0	46,246	213,912	260,158	68,748	302,260	371,008	29,701	124,123	153,824	144,695	640,294	784,990
			Physical Contingency (8%)	0	0	0	0	0	0	0	0	0	3,122	17,691	20,813	4,452	25,229	29,681	1,846	10,460	12,306	9,420	53,379	62,799
			Consulting Cost for Detailed Design	12,488	23,193	35,681	6,244	11,596	17,840	6,244	11,596	17,840	0	0	0	0	0	0	0	0	0	12,488	23,193	35,681
			Consulting Cost for Construction Management	24,973	46,379	71,353	0	0	0	0	0	0	8,324	15,460	23,784	8,324	15,460	23,784	8,324	15,460	23,784	24,973	46,379	71,353
			PFDA Administration Cost (PMO)	8,014	0	8,014	0	0	0	0	0	0	2,671	0	2,671	2,671	0	2,671	2,671	0	2,671	8,014	0	8,014
			Fish Port Management (T/A)	1,852	10,497	12,350	0	0	0	0	0	0	617	3,499	4,117	617	3,499	4,117	617	3,499	4,117	1,852	10,497	12,350
			Land Accruement Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	150,946	667,237	818,183	6,244	11,596	17,840	6,244	11,596	17,840	60,981	250,562	311,543	84,814	346,447	431,261	43,161	153,542	196,702	**201,444**	**773,743**	**975,187**
3	Davao		Base Cost (Construction Works)	10,154	57,538	67,692	0	0	0	0	0	0	3,173	17,981	21,154	5,077	28,769	33,846	1,904	10,788	12,692	10,154	57,538	67,692
			VAT (12%)	1,218	6,905	8,123	0	0	0	0	0	0	381	2,158	2,538	609	3,452	4,061	228	1,295	1,523	1,218	6,905	8,123
			Sub-total 1	11,372	64,442	75,815	0	0	0	0	0	0	3,554	20,138	23,692	5,686	32,221	37,907	2,132	12,083	14,215	11,372	64,442	75,815
	Bislig		Base Cost (Construction Works)	85,618	485,170	570,788	0	0	0	0	0	0	21,405	121,292	142,697	34,247	194,068	228,315	29,966	169,809	199,776	85,618	485,170	570,788
			VAT (12%)	10,274	58,220	68,495	0	0	0	0	0	0	2,569	14,555	17,124	4,110	23,288	27,398	3,596	20,377	23,973	10,274	58,220	68,495
			Sub-total 2	95,892	543,390	639,283	0	0	0	0	0	0	23,973	135,848	159,821	38,357	217,356	255,713	33,562	190,187	223,749	95,892	543,390	639,283
			Sub-total 3 (=1+2)	107,265	607,833	715,097	0	0	0	0	0	0	27,527	155,986	183,513	44,043	249,577	293,620	35,695	202,270	237,964	107,265	607,833	715,097
			Price Escalation	0	0	0	0	0	0	0	0	0	8,690	11,538	20,228	18,019	23,285	41,304	18,174	22,852	41,027	44,884	57,675	102,559
			Sub-total 4	107,265	607,833	715,097	0	0	0	0	0	0	36,217	167,524	203,741	62,062	272,863	334,924	53,869	225,122	278,991	152,148	665,508	817,656
			Physical Contingency (8%)	0	0	0	0	0	0	0	0	0	2,445	13,854	16,299	4,019	22,775	26,794	3,348	18,971	22,319	9,812	55,601	65,412
			Consulting Cost for Detailed Design	12,928	24,009	36,937	6,464	12,004	18,468	6,464	12,004	18,468	0	0	0	0	0	0	0	0	0	12,928	24,009	36,937
			Consulting Cost for Construction Management	25,852	48,011	73,864	0	0	0	0	0	0	8,617	16,004	24,621	8,617	16,004	24,621	8,617	16,004	24,621	25,852	48,011	73,864
			PFDA Administration Cost (PMO)	6,612	0	6,612	0	0	0	0	0	0	2,204	0	2,204	2,204	0	2,204	2,204	0	2,204	6,612	0	6,612
			Fish Port Management (T/A)	1,852	10,497	12,350	0	0	0	0	0	0	617	3,499	4,117	617	3,499	4,117	617	3,499	4,117	1,852	10,497	12,350
			Land Accruement Expense	20,000	0	20,000	0	0	0	20,000	0	20,000	0	0	0	0	0	0	0	0	0	20,000	0	20,000
			Total	174,509	690,350	864,860	6,464	12,004	18,468	26,464	12,004	38,468	50,101	200,881	250,982	77,520	315,140	392,660	68,656	263,596	332,252	**229,205**	**803,626**	**1,032,831**

Table 21.5 Annual Fund Plan of Each Package (Regional Fish Port Only) (Continued)

Package	Sub-Package	Regional Fish Port	Items	Base Cost (2010)			2012			2013			2014			2015			2016			Total		
				Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
4	1. Ice Making & Refrigeration Facilities	Iloilo	Base Cost	28,687	258,179	286,866	0	0	0	0	0	0	9,562	86,060	95,622	9,562	86,060	95,622	9,562	86,060	95,622	28,687	258,179	286,866
			VAT (12%)	3,442	30,981	34,424	0	0	0	0	0	0	1,147	10,327	11,475	1,147	10,327	11,475	1,147	10,327	11,475	3,442	30,981	34,424
			Sub-total 1	32,129	289,161	321,290	0	0	0	0	0	0	10,710	96,387	107,097	10,710	96,387	107,097	10,710	96,387	107,097	32,129	289,161	321,290
		Sual	Base Cost	13,728	123,552	137,280	0	0	0	0	0	0	4,576	41,184	45,760	4,576	41,184	45,760	4,576	41,184	45,760	13,728	123,552	137,280
			VAT (12%)	1,647	14,826	16,474	0	0	0	0	0	0	549	4,942	5,491	549	4,942	5,491	549	4,942	5,491	1,647	14,826	16,474
			Sub-total 2	15,375	138,378	153,753	0	0	0	0	0	0	5,125	46,126	51,251	5,125	46,126	51,251	5,125	46,126	51,251	15,375	138,378	153,753
		Lucena	Base Cost	3,708	33,369	37,076	0	0	0	0	0	0	1,236	11,123	12,359	1,236	11,123	12,359	1,236	11,123	12,359	3,708	33,369	37,076
			VAT (12%)	445	4,004	4,449	0	0	0	0	0	0	148	1,335	1,483	148	1,335	1,483	148	1,335	1,483	445	4,004	4,449
			Sub-total 3	4,153	37,373	41,525	0	0	0	0	0	0	1,384	12,458	13,842	1,384	12,458	13,842	1,384	12,458	13,842	4,153	37,373	41,525
		Camaligan	Base Cost	16,376	147,383	163,759	0	0	0	0	0	0	5,459	49,128	54,586	5,459	49,128	54,586	5,459	49,128	54,586	16,376	147,383	163,759
			VAT (12%)	1,965	17,686	19,651	0	0	0	0	0	0	655	5,895	6,550	655	5,895	6,550	655	5,895	6,550	1,965	17,686	19,651
			Sub-total 4	18,341	165,069	183,410	0	0	0	0	0	0	6,114	55,023	61,137	6,114	55,023	61,137	6,114	55,023	61,137	18,341	165,069	183,410
		Davao	Base Cost	5,673	51,053	56,726	0	0	0	0	0	0	1,891	17,018	18,909	1,891	17,018	18,909	1,891	17,018	18,909	5,673	51,053	56,726
			VAT (12%)	681	6,126	6,807	0	0	0	0	0	0	227	2,042	2,269	227	2,042	2,269	227	2,042	2,269	681	6,126	6,807
			Sub-total 5	6,353	57,179	63,533	0	0	0	0	0	0	2,118	19,060	21,178	2,118	19,060	21,178	2,118	19,060	21,178	6,353	57,179	63,533
		Bislig	Base Cost	27,333	245,994	273,327	0	0	0	0	0	0	9,111	81,998	91,109	9,111	81,998	91,109	9,111	81,998	91,109	27,333	245,994	273,327
			VAT (12%)	3,280	29,519	32,799	0	0	0	0	0	0	1,093	9,840	10,933	1,093	9,840	10,933	1,093	9,840	10,933	3,280	29,519	32,799
			Sub-total 6	30,613	275,513	306,126	0	0	0	0	0	0	10,204	91,838	102,042	10,204	91,838	102,042	10,204	91,838	102,042	30,613	275,513	306,126
			Sub-total 7 (=1+2+3+4+5+6)	37,750	339,750	377,500	0	0	0	0	0	0	12,583	113,250	125,833	12,583	113,250	125,833	12,583	113,250	125,833	37,750	339,750	377,500
			VAT (12%)	106,704	962,679	1,069,383	0	0	0	0	0	0	35,568	320,893	356,461	35,568	320,893	356,461	35,568	320,893	356,461	106,704	962,679	1,069,383
	2. Solar Power System	Iloilo	Base Cost (Solar Power System without Batte	4,530	40,770	45,300	0	0	0	0	0	0	1,510	13,590	15,100	1,510	13,590	15,100	1,510	13,590	15,100	4,530	40,770	45,300
			Sub-total 8	42,280	380,520	422,800	0	0	0	0	0	0	14,093	126,840	140,933	14,093	126,840	140,933	14,093	126,840	140,933	42,280	380,520	422,800
	3. Other Equipment	Iloilo	Base Cost	5,342	48,075	53,417	0	0	0	0	0	0	1,781	16,025	17,806	1,781	16,025	17,806	1,781	16,025	17,806	5,342	48,075	53,417
			VAT (12%)	641	5,769	6,410	0	0	0	0	0	0	214	1,923	2,137	214	1,923	2,137	214	1,923	2,137	641	5,769	6,410
			Sub-total 9	5,983	53,844	59,827	0	0	0	0	0	0	1,994	17,948	19,942	1,994	17,948	19,942	1,994	17,948	19,942	5,983	53,844	59,827
		Sual	Base Cost	2,899	26,088	28,987	0	0	0	0	0	0	966	8,696	9,662	966	8,696	9,662	966	8,696	9,662	2,899	26,088	28,987
			VAT (12%)	348	3,131	3,478	0	0	0	0	0	0	116	1,044	1,159	116	1,044	1,159	116	1,044	1,159	348	3,131	3,478
			Sub-total 10	3,247	29,219	32,466	0	0	0	0	0	0	1,082	9,740	10,822	1,082	9,740	10,822	1,082	9,740	10,822	3,247	29,219	32,466
		Lucena	Base Cost	528	4,752	5,280	0	0	0	0	0	0	176	1,584	1,760	176	1,584	1,760	176	1,584	1,760	528	4,752	5,280
			VAT (12%)	63	570	634	0	0	0	0	0	0	21	190	211	21	190	211	21	190	211	63	570	634
			Sub-total 11	591	5,322	5,913	0	0	0	0	0	0	197	1,774	1,971	197	1,774	1,971	197	1,774	1,971	591	5,322	5,913
		Camaligan	Base Cost	3,200	28,802	32,002	0	0	0	0	0	0	1,067	9,601	10,667	1,067	9,601	10,667	1,067	9,601	10,667	3,200	28,802	32,002
			VAT (12%)	384	3,456	3,840	0	0	0	0	0	0	128	1,152	1,280	128	1,152	1,280	128	1,152	1,280	384	3,456	3,840
			Sub-total 12	3,584	32,258	35,842	0	0	0	0	0	0	1,195	10,753	11,947	1,195	10,753	11,947	1,195	10,753	11,947	3,584	32,258	35,842
		Davao	Base Cost	2,251	20,257	22,508	0	0	0	0	0	0	750	6,752	7,503	750	6,752	7,503	750	6,752	7,503	2,251	20,257	22,508
			VAT (12%)	270	2,431	2,701	0	0	0	0	0	0	90	810	900	90	810	900	90	810	900	270	2,431	2,701
			Sub-total 13	2,521	22,688	25,209	0	0	0	0	0	0	840	7,563	8,403	840	7,563	8,403	840	7,563	8,403	2,521	22,688	25,209
		Bislig	Base Cost	963	8,670	9,633	0	0	0	0	0	0	321	2,890	3,211	321	2,890	3,211	321	2,890	3,211	963	8,670	9,633
			VAT (12%)	116	1,040	1,156	0	0	0	0	0	0	39	347	385	39	347	385	39	347	385	116	1,040	1,156
			Sub-total 14	1,079	9,710	10,789	0	0	0	0	0	0	360	3,237	3,596	360	3,237	3,596	360	3,237	3,596	1,079	9,710	10,789
			Sub-total 15 (=9+10+11+12+13+14)	17,005	153,041	170,045	0	0	0	0	0	0	5,668	51,014	56,682	5,668	51,014	56,682	5,668	51,014	56,682	17,005	153,041	170,045
	Total of Sub-package 1, 2 and 3		Subtotal 16 (=7+8+15)	166,248	1,496,234	1,662,482	0	0	0	0	0	0	55,416	498,745	554,161	55,416	498,745	554,161	55,416	498,745	554,161	166,248	1,496,234	1,662,482
			Price Escalation	0	0	0	0	0	0	0	0	0	17,495	36,891	54,386	22,672	46,532	69,204	28,216	56,347	84,563	68,383	139,770	208,153
			Sub-total 17	166,248	1,496,234	1,662,482	0	0	0	0	0	0	72,911	535,635	608,546	78,088	545,277	623,365	83,632	555,092	638,724	234,631	1,636,004	1,870,635
			Physical Contingency (8%)	0	0	0	0	0	0	0	0	0	7,303	41,381	48,684	7,480	42,389	49,869	7,665	43,433	51,098	22,448	127,203	149,651
			Consulting Cost for Detailed Design	30,055	55,816	85,871	15,027	27,908	42,936	15,027	27,908	42,936	0	0	0	0	0	0	0	0	0	30,055	55,816	85,871
			Consulting Cost for Construction Management	60,102	111,619	171,721	0	0	0	0	0	0	20,034	37,206	57,240	20,034	37,206	57,240	20,034	37,206	57,240	60,102	111,619	171,721
			PFDA Administration Cost (PMO)	4,328	0	4,328	0	0	0	0	0	0	1,443	0	1,443	1,443	0	1,443	1,443	0	1,443	4,328	0	4,328
			Fish Port Management (T/A)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Land Accruement Expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Total	260,734	1,663,668	1,924,402	15,027	27,908	42,936	15,027	27,908	42,936	101,690	614,223	715,913	107,045	624,872	731,917	112,774	635,731	748,505	**351,564**	**1,930,642**	**2,282,206**

Unit: 1,000 PHP

Total of all Packages	Base Cost (2010)			2012			2013			2014			2015			2016			Total		
	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total	Local	Foreign	Total
Amount per year	-	-	-	32,778	60,874	93,652	52,778	60,874	113,652	261,139	1,265,445	1,526,583	320,418	1,489,679	1,810,097	278,491	1,259,601	1,538,092	**945,604**	**4,136,472**	**5,082,076**
Accumulated Amount	707,521	3,562,132	4,269,653	32,778	60,874	93,652	85,556	121,748	207,304	346,695	1,387,192	1,733,887	667,113	2,876,871	3,543,984	**945,604**	**4,136,472**	**5,082,076**	-	-	-

Note:

*Loan Commitment Charge = Total Cost x 0.85 x 0.1% x 7 years = 31,972 (1,000 PHP) and The Government of the Philippines (GOP) is burdened the amount.

*Exchange Rate: 1US$=JPY90.520=PHP 46.312

Currency Potion	(1,000 PHP)	JPY Equivalent (1,000JPY)
Japanese Yen Loan (85% of Total Amount)	4,319,765	8,443,278
Local Potion (15 % of Total Amount)	762,311	
TOTAL	5,082,076	