

## 2. TOR

### Terms of Reference for

### the Cebu Integrated Port Development Study in the Republic of the Philippines

#### 1. Background

The Philippine Archipelago consists of about 7,100 islands, which are distributed across an area of 1,850 km from north to south and 1,100 km from east to west. Total land area is 298,000 km<sup>2</sup>, and the population is 68,616,536 (as of 1995).

Almost all public ports in the Philippines are administered and managed by the Philippine Ports Authority (PPA) and the Cebu Port Authority (CPA). Approximately 46 % of the total cargo volume and 9 % of the passenger volume is transported by sea.

The CPA was created by virtue of RA 7621, which was signed into law on 26 June 1992. However, CPA only operationalized and took over the administration of the Port of Cebu effective 01 January 1996. By traditional definition, the nomenclature Port of Cebu or Cebu Port pertains not only to what the CPA refers to as the baseport (the premier government port located in Cebu City) but to all other government and private ports within its territorial jurisdiction (comprising Cebu Island and outlying small islands), such as: Cebu Port, Toledo Port, Argao Port, Danao Port, Carmen Port, Santa Fe Port and so forth.

Cebu Province is expected to serve as the nucleus of economic growth in Visayas and Mindanao. And since ports are essential infrastructure in the Philippines, it is an important issue to develop ports in Cebu Province in accordance with a Port Development Policy in order to achieve smooth and efficient development.

Cebu Port, located in the middle of Cebu Island and administrated by CPA, has become the cargo and passenger distribution center of Visayas and Mindanao. The throughput of the port was 7.4 million tons of cargo (including 274 thousand TEUs container) and 9.5 million passengers in 1997.

From 1990 to 1997 container handling volume increased at an average annual rate of 8.5 % (domestic trade) and 17.3 % (foreign trade). Considering the rapid growth of containerization, the handling area for container cargo would be inadequate to meet the demand in the near future.

According to CPA's demand forecast, the traffic volume, especially container traffic, will exceed the handling capacity of the port after 2010, even if rehabilitation and improvement projects of the existing port facilities, planned by CPA, are implemented.

Since the existing port is narrow and shallow due to presence of corals and the siltation problem, and does not have sufficient room for expansion to cope with the demand after 2010, it will be necessary to develop the new port outside the existing port area. It is important to cope with the growth of foreign and local container movements in Cebu Port to secure the development in Visayas and Mindanao.

In port planning, it must be understood that a great amount of time and money is required for construction. And once a port is constructed, it will be operated and dedicated to the regional economy for a long period of time. Therefore, a port should be constructed based on long-term prospects and the demand forecast.

It is necessary to draw up the Master Plan of the port in order to construct effective and suitable port facilities, adopting a proper staging plan, and balancing investment and demand. When a port is constructed temporarily without a Master Plan, the facilities inevitably become inadequate, and this constitutes a poor use of funds from the long-term perspective.

Taking the above into consideration, it is also proposed to conduct the study on the Development Plan of Cebu Port and other major ports in Cebu Province in the Republic of the Philippines.

It should be noted that, before CPA became operational, the Cebu Integrated Area Development Master Plan Study (CIADMPS) has been conducted by JICA and Philippine Government in 1994.

The CIADMPS highlighted the need for a master plan for Cebu Port and other ports in the province as well as the expansion of Cebu Port in view of the province's strategic role in the development of Visayas and Mindanao. This port study shall be orchestrated with the outcome of the CIADMPS, which clearly identified the need for the new development of Cebu Port. The CIADMPS, however, did not include a detailed technical study such as demand forecast and physical planning. The CIADMPS also suggested that a feasibility study is needed for a new port development other than Cebu Port including selection of the optimal site for a new port among five sites tentatively proposed in the CIADMPS. In light of this, this study will be a sort of follow-up study, focusing on the port sector and including a feasibility study within the framework of the CIADMPS.

It is likewise emphasized that the Port Development Plan for the Ports of Cebu will be formulated consistent with the Medium-Term Philippine Development Plan (Angat-Pinoy 1999-2004) particularly, with the policies on restructuring of port institution, adopting a more proactive approach to planning of new port facilities and enhancing safety practices in the shipping sub-sector, and strengthening their enforcement. Transfer of technical competence in port planning from consultants to local counterparts will be given impetus by the study.

## **2. Objectives**

The objectives of the Study are:

- (1) To formulate a Port Development Policy in Cebu Province.
- (2) To prepare a Master Plan for the development of existing and new Cebu Port and selected major ports according to the Port Development Policy (1) for the period up to the year 2020.
- (3) To conduct feasibility studies of specific port projects within the base port and other ports under the jurisdiction of the Cebu Port Authority which have been found to have economic potential. These will be packaged into a Short-Term Development Plan of Cebu Port for the period up to the year 2010. This will also include models of implementation of identified projects, particularly options for private sector participation.
- (4) To effect transfer of technical competence in port planning as well as data gathered by JICA consultants to local counterparts for the duration of the study.

## **3. Area Covered by the Study**

The Study area will cover Cebu Province that is expected to serve as the nucleus of economic growth in Visayas and Mindanao.

## **4. Scope of the Study**

In order to achieve the objectives mentioned above, the Study shall cover the following items:

### **(1) Review and Field Survey**

The necessary data collection and their review will be carried out in detail through the study in harmony with those of the CIADMPS and the MTPDP (1999-2004).

- 1) Review of available data, information, reports and plans relevant to the Study
- 2) Field Survey to the extent necessary for the Study.

### **(2) Formulation of ports development policy in Cebu Province through institutionalized mechanism of transferring port planning competence to as many local counterparts as possible during the study as well as proper consultation with all stakeholders, complete with documentation**

- 1) Analysis of the development plan in Visayas and Mindanao.
- 2) Setting up of proper role and function of ports in Cebu Province for development of Visayas and Mindanao.
- 3) Identification of necessity of roll-on/roll-off terminal in Cebu Province
- 4) Formulation of development concept of each port in Cebu Province, including evaluation of options for private sector participation in the development of ports.

- 5) Forecast of the sea traffic demand by cargo and passenger up to the target year regarding selected major ports in Cebu Province. Techniques on measuring port capacity and demand forecast must be taught in detail to numerous local counterpart staff as they are gathered and analyzed by JICA consultants.
  - 6) Recommendation of strategy for implementation of ports development policy, including capacity building strategies for Cebu Port Authority.
- (3) Formulation of action program to realize the ports development in Cebu Province
- Issues on port planning, administration, and operation such as port capacity measurement vis-à-vis forecast demand, tariff setting, port operational performance indicators, financial revenue planning, introduction of the BOT scheme, and private sector participation will be scrutinized in this section, taking into account the current status of port planning, administration, and operation as well as future perspective of port development.
- 1) Analysis of problems in port planning, management and operation
  - 2) Identification of necessary measures for the future Cebu Port in harmony with development policy, including introduction of private participation
  - 3) Formulation of action program in planning, management and operation
- (4) Selection of a site for development of New Cebu Port.
- 1) Review of present development plan of Cebu Port.
  - 2) Identification of function of New Port and Existing Port including roll-on roll-off terminal
  - 3) Identification of future cargo capacity of existing port based on the improvement of management and organizational enhancements
  - 4) Selection of a site for New Cebu Port.
- (5) Preparation of Master Plan of New Cebu Port and selected major ports in Cebu Province
- 1) Formulation of land/water area utilization plan in the vicinity of new and existing Cebu Port.
  - 2) Preparation of basic layout plan of major port facilities and relevant infrastructure of the port.
  - 3) Initial environmental examination including social impact assessment for port development.
  - 4) Preparation of preliminary engineering design.
  - 5) Preparation of preliminary cost estimation
  - 6) Preliminary financial and economic analysis, including impact of private sector participation in port projects.
  - 7) Preparation of implementation program, considering plans, programs, and role of the DOTC and PPA.
  - 8) Preparation of financing plan for implementation program
  - 9) Evaluation of potential to attract international transshipment traffic and formulation of necessary measures to increase the potential of the port.

(6) Conduct of Feasibility Studies of specific port projects within the Base Port and other ports under the jurisdiction of the Cebu Port Authority

- 1) Formulation of a short-term development plan for the concerned port facilities.
- 2) Preparation of a short-term improvement plan for port management and operation.
- 3) Preparation of preliminary engineering design.
- 4) Preparation of cost estimates.
- 5) Preparation of implementation program.
- 6) Preliminary environmental impact assessment.
- 7) Financial analysis.
- 8) Economic analysis.

Both financial and economic analysis must be made in accordance with the Investment Coordination Committee (ICC)-prescribed guidelines including pricing analysis and cost structures.

- 9) Preparation of models of implementation of identified projects, particularly options for private sector participation.

## **5. Study Period and Implementation**

The period of the Study shall be 16 months, and the tentative schedule of the Study is shown in Attachment-A.

Since it is anticipated that the Study will require enormous coordination work not only among various government agencies but also the different stakeholders in the ports in Cebu. The Study shall be implemented entirely in Cebu, and with maximum participation of Filipino expertise, particularly the CPA counterpart team.

The Study shall be undertaken in close consultation and coordination with the Cebu Port Authority, the main beneficiary of the study, Department of Transportation and Communications, and other members of the inter-agency committee to be created to oversee and supervise the implementation of the study.

All data analysis, project evaluation, computer programming, and preliminary design shall be undertaken at the CPA Project office, which shall be provided the full equipment support from the JICA assistance.

## **6. Expected Major Outputs of the Study**

- (1) Port Development policy in Cebu Province.
- (2) Master Plan for the development of Cebu Port and selected major ports according to the Port Development Policy for the period up to the year 2020.
- (3) Short Term Development Plan of Cebu Port for the period up to the year 2010.
- (4) Feasibility studies of specific port projects within Cebu, including models of implementation of identified projects. These studies must be supported by financial and economic analyses in accordance with the Investment Coordination

Committee (ICC)-prescribed guidelines including pricing analysis and cost structures.

## **7. Reports**

The Study team shall prepare and submit 30 copies of the following reports to its counterpart agency of the Government of the Philippines:

- (1) **Inception Report**  
At the beginning of the first field survey. This report shall contain the methodology of the Study and the expected results of the Study.
- (1) **Interim Report (1)**  
At the beginning of the second field survey, within 5 months after submission of the inception Report. This report shall contain the Port Development Policy in Cebu Province and the action program to realize the Policy.
- (3) **Interim Report (2)**  
At the beginning of the third field survey, within 4 months after submission of the Interim Report (1). This report shall contain the result of the Master Plans of New and Existing Cebu Ports and selected major ports in Cebu Province.
- (4) **Draft Final Report**  
At the beginning of the fourth field survey, within 4 months after submission of the Interim Report (2). This report shall contain a feasibility study of the short-term development plan. The counterpart agency may provide its comments on the report not later than one month after the receipt of the report.
- (5) **Final Report**  
Within 1.5 months after receipt of the comments of the Draft Final Report.

## **8. Implementing Agency (Counterpart Agency)**

An inter-agency committee to be chaired by the Department of Transportation and Communications (DOTC) and co-chaired by the Cebu Port Authority (CPA) will oversee and ensure the completion of the study. The inter-agency committee shall be composed of the representatives from the following agencies:

- 8.1 Department of Transportation and Communications (DOTC) - the lead agency in the conduct of the study, represented by the Assistant Secretary for Planning;
- 8.2 Cebu Port Authority (CPA) – the second lead agency/co-chair in the conduct of the study, represented by the General Manager;

- 8.3 National Economic and Development Authority (NEDA) – the coordinating agency for the regional, provincial, and municipal socio-economic profiles, development plans, and potential inputs, etc., represented by the Regional Director;
- 8.4 Maritime Industry Authority (MARINA) – the responsible agency for study inputs concerning vessel characteristics, rates, route/shipping requirements, safety issues, etc., represented by the Regional Director;
- 8.5 Department of Trade and Industry (DTI) – the responsible agency for study inputs concerning regional/provincial/municipal trade and industry pattern, industry needs, etc., represented by the Regional Director;
- 8.6 Department of Public Works and Highways – the agency responsible for study inputs on road networks leading to the study ports, physical investment plans and requirements for road transport, seaport-related projects, etc., represented by the Regional Director;
- 8.7 Department of Environment and Natural Resources – the agency responsible for inputs on water quality analysis, protected areas, laws on environmental protection, etc., represented by the Regional Director;

**9. Required Specialists for the Study**

The following Specialists shall be assigned for the Study.

<i>Title</i>	<i>Responsibilities</i>
(1) Project Manager	Overall Management/Port Development Policy
(2) Ports Planner (1)	Port Planning/Port Master Plan for New and Existing Cebu Ports
(3) Port Planner (2)	Port Planning/Port Master Plan for other Ports
(4) Cargo Handling Specialist	Cargo Handling System
(5) Ports Administration Specialist	Port Management and Operation
(6) Transport Planner	Demand Forecast
(7) Transport Economist	Economic and Financial Analysis
(6) Civil Engineer (1)	Facility Design
(7) Civil Engineer (2)	Construction Method/Cost Estimation
(8) Oceanographic Engineer	Natural Condition (Hydrotopography/Oceanography)
(9) Geotechnical Engineer	Natural Condition (Soil)
(10) Environmental Specialist (1)	Natural Environment
(11) Environmental Specialist (2)	Social Environment

## 10. Cost Estimate of the Study

The estimated cost of the study is approximately 400 Million Yen (US\$3.3 million) to be broken down as follows:

- a) Other Expenses Y 300 M  
Other expenses include local expenses for transport and port engineering surveys and remuneration of foreign consultants/expatriates.
  
- b) Local Expenses Y 100 M  
Local expenses include computer equipment needed for the Project Office, supplies, support staff, communications, report production/documentation, counterpart training of staff in RP and Japan, and local expenses for workshops/seminars.

## 11. Undertaking of the Government of the Philippines

To facilitate the smooth conduct of the Study, the Government of the Philippines will take the following necessary measures in cooperation with organizations concerned:

- (1) To assist the study team in the conduct of the study;
- (2) To provide the study team with available data and information necessary for the Study;
- (2) To assign the required number of official counterparts for the duration of the study;
- (3) To make arrangements for visiting the authorities concerned; and
- (4) To provide the study team with office space and furniture.

## 12. Undertaking of the Government of Japan

For the implementation of the Study, the Government of Japan will take the following measures:

- (1) To dispatch, at its own expense, a study team to the Philippines;
- (2) Together with the counterpart staff, to formulate a port development policy for Cebu Province, prepare a Master Plan for the development of a New Cebu Port and selected major ports in Cebu Province and, conduct feasibility studies for specific port projects within the base port and other ports under the jurisdiction of the Cebu Port Authority that have been found with economic potential;
- (3) To pursue the transfer of technical competence in port planning to the counterpart personnel in the course of the Study.



## TENTATIVE SCHEDULE

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
• Preparation of the Inception Report	▬															
1) Review of Previous Studies and Field Surveys		▬	▬	▬			▬	▬			▬	▬		▬		
2) Formulation of ports Development policy in Cebu Province		▬	▬	▬	▬											
3) Formulation of Action Program		▬	▬	▬	▬											
4) Selection of sites for development within the Cebu Base Port		▬	▬	▬	▬											
5) Preparation of Master Plan for the Development of the New Cebu Port and selected major ports in Cebu Province							▬	▬	▬	▬						
• Presentation and Discussion of Interim Report (I)						▬										
) Feasibility study on the Short Term Development Plan for the Cebu Base Port and selected major ports within Cebu Province											▬	▬	▬	▬		
• Presentation and Discussion of Interim Report (II)										▬						
Presentation/discussion of the Draft Final Report														▬		

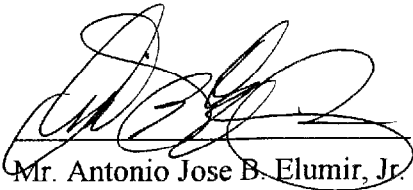


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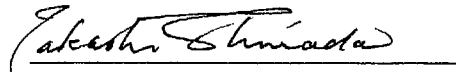
**IMPLEMENTING ARRANGEMENT  
ON  
THE STUDY ON THE CEBU INTEGRATED PORT DEVELOPMENT PLAN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
CEBU PORT AUTHORITY,  
UNDER THE DEPARTMENT OF TRANSPORTATION AND  
COMMUNICATIONS,  
GOVERNMENT OF THE REPUBLIC OF THE PHILIPPINES  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY**

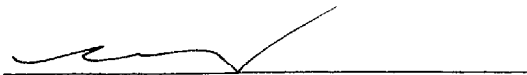
Cebu, 26<sup>th</sup> July, 2000



Mr. Antonio Jose B. Elumir, Jr.  
General Manager,  
Cebu Port Authority (CPA)



Mr. Takashi Shimada  
Leader, Preparatory Study Team,  
Japan International Cooperation  
Agency (JICA)



Mr. Crisostomo F. Abanes  
Undersecretary and Chief of Staff,  
Department of Transportation and  
Communications (DOTC)

## I. INTRODUCTION

In response to the request of the Government of the Republic of the Philippines (hereinafter referred to as "GOP"), the Government of Japan (hereinafter referred to as "GOJ") has decided to conduct the Study on the Cebu Integrated Port Development Plan in the Republic of the Philippines (hereinafter referred to as "the Study"), and exchanged the Notes Verbale with GOP concerning implementation of the Study.

Japan International Cooperation Agency (hereinafter referred to as "JICA"), the official agency responsible for the implementation of the technical cooperation programs of GOJ, will undertake the Study in accordance with the relevant laws and regulations enforced in Japan.

On the part of GOP, the Cebu Port Authority (hereinafter referred to as "CPA") under the Department of Transportation and Communications (hereinafter referred to as "DOTC") shall act as the counterpart agencies to the Japanese study team and also as the coordinating bodies in relation with other concerned governmental and non-governmental organizations under the above mentioned Notes Verbale exchanged between the two governments.

## II. OBJECTIVES OF THE STUDY

The objectives of the Study are:

1. to formulate a port development policy in the Cities and Province of Cebu,
2. to provide master plans for the development of the existing Cebu Baseport, a new Cebu Port and selected major ports with a target year of 2020,
3. to formulate short-term development plans and to implement feasibility studies for both the existing Cebu Baseport and a new Cebu Port with a target year of 2010, and
4. To transfer technology on port development through the Study.

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### III. STUDY AREA

The Study area is the Cities and Province of Cebu.

### IV. SCOPE OF THE STUDY

In order to achieve the objectives mentioned above, the Study shall cover following items:

1. Data collection and analysis of the present condition;
  - (1) to review the existing development plans,
  - (2) to review the existing port development plans, policies and legislation,
  - (3) to review the existing port facilities, administrative system and related services,
  - (4) to review the socio-economic conditions,
  - (5) to analyze cargo and passenger movement, and
  - (6) to conduct natural and environmental surveys.
  
2. Formulation of a port development policy in the Cities and Province of Cebu with a target year of 2020;
  - (1) to formulate a socio-economic framework up to the target year,
  - (2) to evaluate the capacities of the existing port facilities by taking into account of improvement of efficiency of the ports in the Cities and Province of Cebu,
  - (3) to set up proper roles and functions of ports in the Cities and Province of Cebu for the development of Visayas and Mindanao,
  - (4) to formulate a development concept of the ports in the Cities and Province of Cebu including evaluation of private sector participation in the port development,
  - (5) to forecast overall waterborne traffic demand in the Cities and Province of Cebu by cargo and passenger up to the target year,
  - (6) to recommend a strategy for implementation of the port development policy including capacity building (institution and human resources) for CPA, and
  - (7) to prioritize port development works and to recommend a site of a new Cebu Port.

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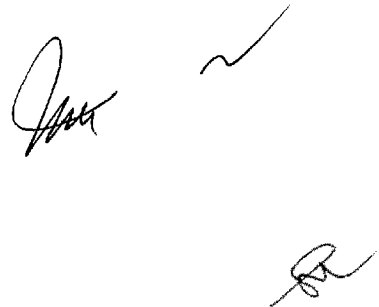
3. Formulation of master plans of the existing Cebu Baseport, a new Cebu Port and selected major ports with a target year of 2020;

- (1) to conduct demand forecasts by cargo and passenger for the existing Cebu Baseport, a new Cebu Port and the selected major ports respectively for the target year of 2020,
- (2) to evaluate the potential of attracting international transshipment traffic and to formulate necessary measures to increase the potential of these ports,
- (3) to formulate land/sea use plans of the ports,
- (4) to draw up layout plans of the ports,
- (5) to conduct initial environmental examinations (IEE),
- (6) to prepare preliminary engineering designs,
- (7) to prepare preliminary cost estimations,
- (8) to conduct preliminary financial and economic analysis, including private sector participation in port projects,
- (9) to prepare implementation programs including financing and role of DOTC as well as CPA, and
- (10) to recommend improvement plans of port management and operation.

4. Formulation of short-term development plans and conduct of feasibility studies for both the existing Cebu Baseport and a new Cebu Port with a target year of 2010,

- (1) to identify short-term port development projects,
- (2) to prepare engineering designs,
- (3) to conduct environmental impact assessments,
- (4) to prepare cost estimations,
- (5) to prepare implementation programs,
- (6) to conduct economic and financial analyses,
- (7) to prepare short term improvement plans for port management and operation, and
- (8) to prepare the model of implementation including private sector participation.

5. Overall Evaluation and Recommendation

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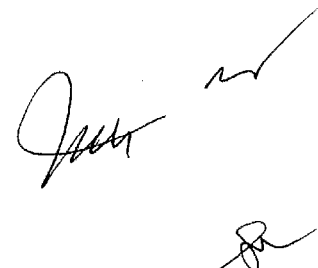
## V. STUDY SCHEDULE

The Study will be carried out within 16 months period in accordance with the attached tentative schedule.

## VI. REPORTS

JICA shall prepare and submit the following reports in English to GOP.

1. Inception Report: Thirty (30) copies,  
at the time of commencement of the Study.
2. Progress Report (1): Thirty (30) copies,  
within four (4) months after commencement of the Study.
3. Interim Report : Thirty (30) copies,  
within eight (8) months after commencement of the study.
4. Progress Report (2): Thirty (30) copies,  
within eleven (11) months after commencement of the Study.
5. Draft Final Report: Thirty (30) copies,  
within fourteen (14) months after commencement of the Study.  
The written comments on the Draft Final Report from GOP shall be delivered within one (1) month after the receipt of the Draft Final Report.
6. Final Report: Fifty (50) copies,  
within one (1) month after the receipt of the comments on the Draft Final Report

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## VII. UNDERTAKINGS OF GOP

In accordance with the Notes Verbale exchanged between GOJ and GOP and the laws, rules and regulations of the Republic of the Philippines, GOP shall accord privileges, immunities and other assistance to the Japanese study team and, through the authorities concerned, take necessary measures to facilitate the smooth conduct of the Study.

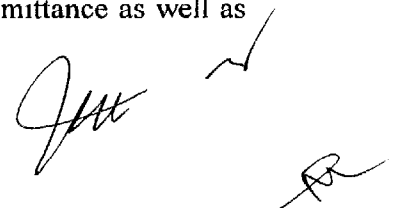
1. GOP shall be responsible for dealing with claims, which may be brought by third parties against the members of the Japanese study team and shall hold them harmless in receipt of claim and liabilities arising in the course of, or otherwise connected with, the discharge of their duties in the implementation of the Study, except when such claims or liabilities arise from gross negligence or willful misconduct of the above mentioned members.

2. CPA shall, at its own expense, provide the Japanese study team with the following, if necessary, in cooperation with other agencies concerned:

- (1) available data and information related to the Study, including aerial photographs and maps;
- (2) counterpart personnel;
- (3) suitable office space with necessary equipment in Cebu City;
- (4) credentials or identification cards to the members of the Japanese study team; and
- (5) appropriate number of boats with operators.

3. DOTC and CPA shall make necessary arrangements with other governmental and non-governmental organizations concerned for the following:

- (1) to secure the safety of the Japanese study team;
- (2) to permit the members of the Japanese study team to enter, leave and sojourn in the Republic of the Philippines for the duration of their assignment therein,
- (3) to exempt the members of the Japanese study team from taxes, duties, fees and other charges on equipment, machinery and other materials brought into the Republic of the Philippines for the conduct of the Study;
- (4) to exempt the members of the Japanese study team from income tax and charges of any kind imposed on or in connection with any emoluments or allowances paid to the members of the Japanese study team for their services in connection with the implementation of the Study;
- (5) to provide necessary facilities to the Japanese study team for remittance as well as

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utilization of the funds introduced into the Republic of the Philippines from Japan in connection with the implementation of the Study;

- (6) to secure permission for entry into private properties or restricted areas for the conduct of the Study;
- (7) to secure permission to take all data and documents (including photographs and maps) related to the Study out of the Republic of the Philippines to Japan by the Japanese study team; and
- (8) to provide medical services as needed and its expenses will be chargeable on the members of the Japanese study team.

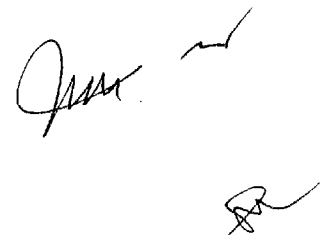
#### VIII. UNDERTAKING OF GOJ

In accordance with the Notes Verbale exchanged between GOJ and GOP, GOJ, through JICA, shall take the following measures for the implementation of the Study:

1. to dispatch, at its own expense, the study team to the Republic of the Philippines; and
2. to pursue technology transfer to the counterpart personnel in the Republic of the Philippines in the course of the Study

#### IX. CONSULTATION

JICA and CPA shall consult with each other in respect of any matter that may arise from or in connection with the Study.



Appendix

Tentative Schedule

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Work in the Philippines																	
Work in Japan																	
Report	△ ICR			△ PG/R(1)				△ IT/R			△ PG/R(2)			△ DF/R		△ F/R	

- IC/R: Inception Report
- PG/R (1): Progress Report (1)
- IT/R: Interim Report
- PG/R (2): Progress Report (2)
- DF/R: Draft Final Report
- F/R: Final Report

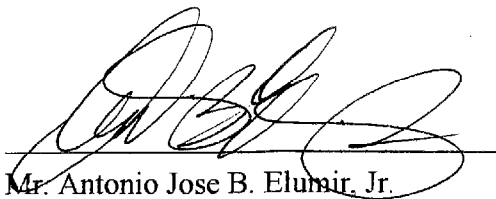
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4. M/M

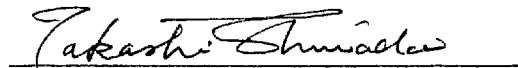
**MINUTES OF MEETING  
ON  
THE IMPLEMENTING ARRANGEMENT  
ON  
THE STUDY ON THE CEBU INTEGRATED PORT DEVELOPMENT PLAN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
CEBU PORT AUTHORITY,  
UNDER THE DEPARTMENT OF TRANSPORTATION AND  
COMMUNICATIONS,  
GOVERNMENT OF THE REPUBLIC OF THE PHILIPPINES  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY**

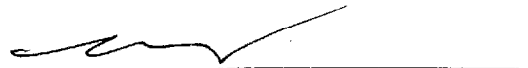
Cebu, 26<sup>th</sup> July, 2000



Mr. Antonio Jose B. Elumir, Jr.  
General Manager, Cebu Port Authority (CPA)



Mr. Takashi Shimada  
Leader, Preparatory Study Team,  
Japan International Cooperation  
Agency (JICA)



Mr. Crisostomo F. Abanes  
Undersecretary and Chief of Staff,  
Department of Transportation and  
Communications (DOTC)

In response to the request of the Government of the Republic of the Philippines (hereinafter referred to as "GOP"), the Government of Japan (hereinafter referred to as "GOJ") has dispatched the preparatory study team (hereinafter referred to as "the Team") headed by Mr. Takashi Shimada, from 17 July to July 27, 2000, through the Japan International Cooperation Agency (hereinafter referred to as "JICA"), to discuss a technical cooperation on the proposed Study on the Cebu Integrated Port Development Plan in the Republic of the Philippines (hereinafter referred to as "the Study").

The Team conducted a series of field surveys to understand the present condition of port sector in Cebu Province. The Team also had a series of discussions and exchanged views with representatives of the Department of Transportation and Communications (hereinafter referred to as "DOTC") and the Cebu Port Authority (hereinafter referred to as "CPA"). The list of participants in the meeting is shown in the appendix.

This Minutes of Meeting is regarded as a part of the Implementing Arrangement and main items discussed between the Japanese side and the Philippines side are as follows:

1. Both sides agreed on the following items:

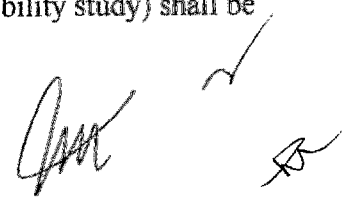
(1) Organization structure for the implementation of the Study

The counterpart organization to the full-scale study team is CPA, and besides counterpart organization, the Steering Committee (hereinafter referred to as "the Committee") shall be established in order to coordinate relevant organizations in port development. The full-scale study team shall present each report to the Committee, and the Committee is to give comments on each report.

DOTC shall select the members of the Committee and it shall chair the Committee. CPA shall co-chair the Committee.

(2) Scope of the Study

- 1) CPA shall be responsible for the coordination with concerned parties to ensure a smooth conduct of the whole study especially implementation of the natural condition survey.
- 2) Regarding 2. (7), recommendation of the site for a new Cebu Port shall be carried out by following manner with close consultation with the Committee:
  - a. the Committee shall select two sites for a new Cebu Port from prioritized probable sites that are recommended by full-scale study team through evaluation of existing study reports,
  - b. the full-scale study team shall conduct natural condition survey, including soil boring and so on, for selected two sites and recommend the most proper site based on evaluation from technical aspects,
  - c. the Committee shall select the most proper site for a new Cebu Port based on the explanation and recommendation by the full-scale study team before it complete the first work in the Philippines. The following study (a master plan and feasibility study) shall be conducted based on the decision of the Committee.



- 3) Regarding 3., a master plan shall be formulated for the existing Cebu Baseport, a new Cebu Port and two other major ports. These two major ports in the Cities and Province of Cebu shall be selected by the Committee on the basis of the recommendation of the full-scale study team before the completion of its first work in the Philippines. The natural condition survey will not be undertaken in the evaluation of these two major ports.
- 4) Regarding 4. (3), environmental impact assessment shall be conducted by the full-scale study team but additional survey, if necessary, and procedures required for obtaining the permission for project implementation shall be done by CPA.

(3) Reports

The whole study schedule is to be covered in the IC/R. The result of the data collection, outline of port development policy and selection of a site for a new Cebu Port are to be covered in the PG/R (1). The master plan is to be covered in the IT/R, while the outline of short-term development plan for the existing Cebu Baseport and a new Cebu Port are to be covered in the PG/R (2). The detailed results of the Study, including the conclusions and the recommendations, are to be covered in the DF/R.

(4) Undertakings

Regarding 2., CPA will hire, on the need basis, boats with operators when required by the full-scale study team for site observations.

2. The request from the Philippines side:

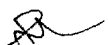
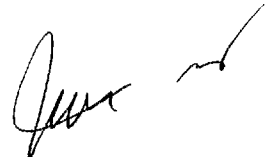
CPA requested following items;

- (1) conduct of a counterpart training in Japan and holding of two seminars, one for IT/R and the other for DF/R, in the Philippines during the term of the Study for the purpose of technology transfer,
- (2) Provision of vehicles for the full-scale study team considering CPA has no budget for vehicle rental.

The Team expressed that they would convey these requests to JICA headquarters.

3. The request from the Japanese side:

An office to be provided by CPA is within its administration building with telephone lines and necessary furniture.



Appendix

The List of Participants

1. Philippines Side:

Mr. Crisostomo F. Abanes	Undersecretary and Chief of Staff, Department of Transportation and Communications (DOTC)
Mr. George D. Esguerra	Assistant Secretary for Planning, DOTC
Mr. Antonio Jose B. Elumir Jr.	General Manager, Cebu Port Authority (CPA)
Mr. Jose Joaquin N. Marques	Commissioner, CPA
Ms. Pacita G. Tan	Commissioner, CPA
Mr. Romeo Alviso	Acting Manager, Business Development Dept., CPA
Ms. Lorna T. Jordan	Business Development/Marketing Officer, Business Development Dept., CPA
Mr. Leonides Francis Quirante	Corporate Board Secretary, CPA
Mr. Mario G. Tan	Manager, Engineering Services Dep., CPA
Mr. Dennis R. Villamor	Manager, Port Management Dep., CPA
Mr. Yusop J. Uckung	Manager, Legal Affairs Dep., CPA
Ms. Rosario G. Pegarom	Manager, Finance and Administration Dept., CPA
Mr. Oscar Lopez	Manager, Port Safety, Security and Environment Dept., CPA
Mr. Nilo L. Rivera	Cebu International Port Operations Manager, CPA
Mr. Jose Rido C. Sullano	Principal Engineer, Engineering Service Dept., CPA

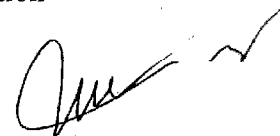
2. Japanese Side:

Preparatory Study Team

Mr. Takashi Shimada	Leader/ Port Administration
Mr. Tomohiro Kobayashi	Port Management and Operation/Demand Forecast
Mr. Kenji Shigemura	Port/Facility Planning
Mr. Susumu Yuzurio	Study Planning
Mr. Toshiyuki Inoue	Environmental Examination/Natural Condition

JICA Philippines Office:

Mr. Hozumi Katsuta	JICA expert to DOTC
Ms. Mima C. Bautista-Macahilig	Project Liaison Officer, Project Section



5. Questionnaire

Data / Item	Provision of Data/Item	Availability of Data/Item	Place of Data/Item	Name of Report & Files
<b>(GENERAL INFORMATION)</b>				
1. Data for Nation-wide, Visayas region and Cebu Province				
1) Statistics for the last 10 years				
a) GNP by sector and by region		○	NEDA	
b) Population by region		○	NEDA	
c) Past and future population growth rate		○	NEDA	
d) Agricultural and Marine products by main sort and by region		○	NEDA	
e) Industrial products by main sort and by region		○	NEDA	
f) Mining products by main sort and by region		○	NEDA	
g) Foreign trade (quantity and value) by main sort		○	NEDA	
h) Price indices		○	NEDA	
i) Exchange rate		○	NEDA	
j) Unemployment rate		○	NEDA	
2) National development plans				
a) Economic development plans		○	NEDA	
b) Transportation development plans (Roads, Railways, etc.)	◎		NEDA	Philippines Transport Study
"	◎		NEDA	Philippines Transport Strategy Study
c) Agricultural and fishing development plans		○	NEDA	
d) Industrial development plans		○	NEDA	
e) Mining development plans		○	NEDA	
f) Forecast of socio-economic indicators		○	NEDA	
3) Annual budget with breakdown of the last 10 years				
4) Public investment of the last 10 years by sector				
5) Meteorological Records of the last 30 years				
		x		
<b>(TECHNICAL INFORMATION)</b>				
1. Transport System for Visayas region				
1) Network maps (ports, roads, railways, inland waterway, etc.)		○	NEDA	
2) Data of cargoes and passengers by each mode		○	NEDA	
3) Forecast of cargoes and passengers by each mode		○	NEDA	
4) Transportation cost of each mode		○	NEDA	
5) Development policies/plans by each mode	◎		CVRDC	Regional Physical Framework Plan
ditto	◎		CVRDC	Highlights of the Central Visayas Regional Development Plan 1993-1998
ditto	◎		CVRDC	Central Visayas Medium-Term Development Plan 1999-2004

本表は調査団が収集した資料等をとりまとめたもの

Data / Item	Provision of Data/Item	Availability of Data/Item	Place of Data/Item	Name of Report & Files
<b>2. Governmental Agency concerned</b>				
1) Organization chart of Philippines Government		○		
2) Organization chart of DOTC and CPA	★CPA	○DOTC		CPA
3) Responsibility and authority of DOTC and CPA	★CPA	○DOTC		CPA
4) Port and shipping organizations		○		
<b>3. Ports in Visayas region</b>				
1) Distribution, function and capacity of each sector		○	NEDA	
2) National (or regional) Ports Development Policy/Plan		○	PPA	
3) Port Statistic of each port for the last 10 years		○	PPA	
a) Total amount of cargo		○	PPA	
b) Volume of cargoes by commodity		○	PPA	
c) International export/import cargo		○	PPA	
d) Domestic export/import cargo		○	PPA	
e) Foreign trade cargo by country		○	PPA	
f) Transit cargo		○	PPA	
4) Port Management and Operation system				
a) Categories of port management bodies		○	PPA	
b) Organization charts of port management bodies		○	PPA	
c) Categories of port operation bodies		○	PPA	
d) Organization charts of port operation bodies		○	PPA	
e) Responsibilities of port management bodies		○	PPA	
f) Responsibilities of port operation bodies		○	PPA	
5) Port Development System				
a) Port development scheme or institutional aspects		x		
b) Funds by Philippine government		x		
c) Funds by port management body		x		
d) Funds by private sector		x		
e) Other funds		x		
6) Relevant Laws and Regulations				
a) Port Laws		○	PPA	
b) Design criteria		○	CPA	Guide to Port Planning JICA 1994 Design Manual for PAH in PPA
c) Other laws or standards concerned		○	CPA	Republic ACT NO.7621
<b>4. Activities of the Cebu Port</b>				
1) Trend of International Shipping Cargo Flow				



Data / Item	Provision of Data/Item	Availability of Data/Item	Place of Data/Item	Name of Report & Files
a) Trend of cargo by commodity	☆		CPA	Summary of Transit Cargoes 1998~1999
ditto	◎		CPA	Port Statistics
b) Origin and destination data of port cargoes	☆		CPA	Port Statistics
c) International Transit Cargoes	☆		CPA	Port Statistics
d) Ports and maritime transport networks around Visayas region		x		
e) Trend of constainerization around Visayas region		x		
2) Port Facilities				
a) Layout map of port facilities	☆			List of Ports and Other Facilities
b) List of port facilities (type, dimension, capacity, completion date)	◎			List of Ports and Other Facilities
c) Access transportation network		x		
3) Port Management and Operation				
a) organization chart	◎		CPA	Cebu Shipping Index
b) Number of Workers		○		
c) Port Tariff Structure	◎		PPA	1995 Port Tariff Rates
ditto	◎		CPA	1997 Tariff Rates on Cargoes
d) Port information systems		○		
e) Efficiency of Cargo Handling (e.g. ton/hr, etc.)		○		
f) Financial condition (Cash flow)		○		
g) Trends of Privatization		x		
4) Existing Port Development Projects/Plans				
a) Current situation of projects		○		
b) Basic philosophy of port plan		○		
c) Concept of plan by each outlook facility		○		
5) Related Studies and plans	☆		Cebu City	The Cebu City Water Front Development Project
ditto	☆		CPA	Cordova Reclamation Project
ditto	☆		Toyo Construction Co.LTD	Cebu Port Expansion Projects prefability Study
6) Present and future Land Use Plan in and around the Port		○		
7.Restriction around the Cebu Port Area				
1) Restriction of Airspace by Airport Caused by Mactan Airport				
a)The height limitation(approach surface,transitional surface,etc)		○	Civil Aviasion	
b)Restriction for waterborne traffic		x		

Data / Item	Provision of Data/Item	Availability of Data/Item	Place of Data/Item	Name of Report & Files
2) Mactan Bridge				
a) Restriction for waterborne traffic (the height limitation of ship, Draft, etc)		○		
<b>8. Natural Conditions in the Cebu Port and Prospective New Cebu Port</b>				
1) Meteorological conditions				
a) Wind data (wind speed, direction)	⊙	○	PAGASA	Climatological Normals
b) Climate	⊙	○	PAGASA	Climatological Normals
c) Rainfall	⊙	○	PAGASA	Climatological Normals
2) Hydrographic conditions				
a) Wave data		x		
b) Tidal current data and tidal level data		○	NAMRIA	Tide and Current Table
c) siltation data		x		
d) Water-depth data		○	See 4) Chart	
3) Topographic conditions				
a) Topographical map (1:50,000)	⊙	○	NAMLIA	
b) Aero-photograph in and around the port		x		
4) Chart (1:30,000)	⊙	○	NAMLIA	
5) Geological conditions				
a) Boring data ( only Cebu South Reclamation Project)	x		Toyo Co.Ltd.	Soil Investigation
b) Result of soil tests (ditto)	x			Soil Investigation
c) Sounding data (ditto)	x			Soil Investigation
d) Riverbed/Seabed materials	x			
6) Record of Natural Disasters				
a) Earthquake	⊙	○	NDCC	National Disaster Record
b) Storm surge		○	NDCC	ditto
c) Tsunami		○	NDCC	ditto
<b>(Environment)</b>				
<b>1. Present environmental conditions in and around the Cebu Port</b>				
1) Environmental protection area by law and regulation, if any		○	PAWMB	SAGIP-Wildlife program
2) Precious animals, plants, historic spots (ruins discovered up to the present, etc.), landscape, etc., if any		○	PAWMB	SAGIP-Wildlife program
3) Data on water and air pollution		○	DENR-EMB	
4) Geographic distribution about fisheries		○	BFAR	Annual report

Data / Item	Provision of Data/Item	Availability of Data/Item	Place of Data/Item	Name of Report & Files
<b>2. Environmental policy</b>				
1) Governmental policy for environmental issues		<input type="radio"/>	DENR	Philippine Environmental Code
2) Responsible agency or organization		<input type="radio"/>	DENR	Philippine Environmental Code
3) Institutional aspects				
a) Law and regulation		<input type="radio"/>	DENR	Legislation rules and regulation
b) Environmental criteria (Water quality, air quality, etc.)		<input type="radio"/>	DENR	ditto
c) Related organization		<input type="radio"/>	DENR	ditto
<b>3. Socio-Environmental</b>				
1) Number of people to be resettled		<input type="radio"/>	NCSO	
2) Existence of common land		<input type="radio"/>	Beau./Land	
3) No. of Schools, Religious facilities and schools		<input type="radio"/>	NCSO	
<b>(Others)</b>				
<b>1. Consultants and surveyors</b>				
1) List of consultants				
2) Cost of investigation and survey				
a) Boring / soil field test				
b) Soil laboratory test				
c) Sounding				
d) Topographic survey				
e) Wave observation				
f) Origin-destination survey				
g) Salary for consultants				
<b>2. Counterpart (List of the counterpart of Philippines side)</b>				

## 6. 収集資料リスト

NO	Title	Place
1	Ports Statistics	Cebu Port Authority
2	List of Ports and other facilities	Cebu Port Authority
3	Annual Report 1996	Cebu Port Authority
4	Annual Report 1998	Cebu Port Authority
5	Annual Report 1999	Cebu Port Authority
6	Executive Summary Maritime Development Plan	(Bank of Philippines) Domestic Shipping Modernization Program Team
7	Container Ports of the Philippines 1998	Philippine Ports Authority
8	Regional Physical Framework Plan	Regional Development Council (Central Visayas Region)
9	Highlights of the Central Visayas Regional Development Plan 1993-1998	Regional Development Council (Central Visayas Region)
10	The Cebu City Water Front Development Project	Cebu City
11	Cordova Reclamation Project	Public Estate Authority
12	Philippines Transport Study	NEDA
13	Cebu Ports Expansion Projects Pre-feasibility Study	Toyo Construction Co. LTD
14	Metro Cebu Development Project Phase III	Katahira & Engineers International
15	Design Waves	JICA Report
16	Times and Height of High and Waters	Cebu Port
17	Rainful Observations	Cebu Pagasa Complex
18	Cebu Shipping Index	Cebu Port Authority
19	Central Visayas Medium-Term Development Plan 1999-2004	Regional Development Council
20	Philippine Transport Strategy Final Report	NEDA
21	1995 Port Tariff Rates	Philippine Port Authority
22	1997 Tariff Rates on Cargoes	Cebu Port Authority
23	Comparative Balance Sheet	Cebu Port Authority
24	Organization Structure(2000,7.1)	Cebu Port Authority
25	Shipping Schedule	Cebu Port Authority
26	Lapu-Lapu City	Lapu-Lapu City
28	Annual Report 1997 より抜粋	Cebu Port Authority
29	Design Manual for Port and Harbours Facilities in The Philippine Ports Authority	JICA(1994)
30	Guide to Port Planning	JICA

31	Functional Chart	Cebu Port Authority
32	Summary of Transit Cargoes 1998~1999	Cebu Port Authority
33	Breakdown of Revenue by Port Facility As of June 2000	Cebu Port Authority
34	An Act Creating The Cebu Port Authority	Republic of the Philippines Congress of the Philippines Metro Manila
35	CEBU PORT AUTHORITY TEN YEAR DEVELOPMENT PROGRAM	Cebu Port Authority
36	最近のフィリピン事情	在フィリピン日本国大使館
37	フィリピンにおける安全対策	在フィリピン日本国大使館
38	セブ州概況	在フィリピン日本国大使館セブ駐在官事務所
39	Cebu Port Authority が計画するコンソラ シオン地区埋立計画平面図	Cebu Port Authority
40	Annotated Outlined EIS model	DENR- EMB (Cebu Regional Office)
41	Hydrogeochemical studies of the Cansaga Bay area, Cebu Island	Department of Environment and Natural Resources, Mines and Geosciences Bureau, Regional Office No.7
42	Philippine Fisheries Code of 1998	Bureau of Fisheries and Aquatic Resources
43	SAGIP-Wildlife Program	Department of Environment and Natural Resources, Protected Areas and Wildlife Bureau
44	Central Visayas, Fishery Profiles	Department of Agriculture, Bureau of Fisheries and Aquatic Resources
45	Annual Report, 1999	Bureau of Fisheries and Aquatic Resources Region 7

専門分野	コンサルタント名	住所 (担当者・TEL・FAX)	得意分野	評価・特記事項 等
地形測量	F.F. Cruz & Co., Inc.	Mr. Ted Bayani 800 E, De Los Santos Av., Quezon City, Manila TEL;(632)927-3324, FAX;(632)921-1223	地形測量、水路・海洋測量 土質調査の子会社を有する。	
	CEDCO Inc.	Mr. Jovito A. Secuya Address; 3F GMT II Build. Cor. P. del Rosario & Junquera Sta. Cebu City TEL; (032)253-2679, FAX;(032)253-2681	地形測量・深淺測量・	
	TRINAV SURVEYS, Inc.	Mr. Lan Grob 7427-C yakal St. Makati, Philippines TEL;(632)8927128, FAX;(632)8434006	地形測量、深淺測量、潮位観 測、潮流観測、音波探査	
	Basic Technology and Management Corporation	土質調査の項参照	同社測量部門で実施。	
	Geotesting (International), Inc.	Mr. Herbert T. Burwell 5550-B Boyle St., Planan, Makati City TEL;(02)832-5297, FAX;(02)832-538	同社測量部門。	
土質調査	Advanced Geotechnical Engineering Services (AGES)	Mr. Richard C. Tan (President) Address; 103 Dunhill St. East Fairview 1118, Quezon City, TEL; (02)939-6368, FAX;(02)938-1638 Email; ages@netasia.net	地質/土質調査	本邦企業の協力会社で、特に セブ南埋立、マクタン第2橋等 のセブ港周辺の地質調査を実 施。セブにも事務所あり。
	Basic Technology and Management Corporation	Mr. Arnolfo O. Acero (Senior Vice President) Address; 2/F Prudential Bank Bldg., 1377 A. Mabini St. Ermita, Manila TEL; (02)523-8184, FAX;(02)521-0648	総合コンサルである。土質調査は 関連会社。	本邦企業と多くのプロジェクト に参加している。

専門分野	コンサルタント名	住所 (担当者・TEL・FAX)	得意分野	評価・特記事項 等
土質調査	CEDCO, Inc.	測量の項参照		
	Technotest, Inc.	Mr. Antonio G. Espiritu (Vice President) Address; 893 EDSA, Quezon City TEL; (02)924-2007, FAX;(02)9242156	ボーリング・土質試験	種々のプロジェクトの土質調査を行っているが、港湾関連が多い。
	Geotesting (Int'l), Inc.	測量の項参照	ボーリング・土質試験	ドラム缶と鉄板でホントーン製作。パタンガス港の調査担当。
海象調査	CEDCO, Inc.	測量の項参照	潮流調査	
	Basic Technology & Management Corporation	土質調査の項参照	潮流調査	
	TRINAV SURVEYS, Inc.	測量の項参照	潮流・潮位観測	
	Geotesting (Int'l), Inc.	測量の項参照	潮流観測	
環境調査	Environmental Concepts Corporation (ECC)	Dr. Delfin C. San Pedro (President) Blk. 2 Lot 2, Covenant Village Bagong Silangan, Quezon City MM TEL; (02) 431-5519, FAX;(02)428-5167	EIS 作成。社会環境、自然環境調査。 自然条件も関連会社で可能。	Dr.Tan は東京大学工学博士。GENR-EMB でのEIS審査の経験を持つ。社会環境の経験もある。
	CEDCO, Inc.	測量の項参照	水質分析	

専門分野	コンサルタント名	住所 (担当者・TEL・FAX)	得意分野	評価・特記事項 等
環境調査	Basic Technology & Management Corporation	土質調査の項参照	水質・底質分析	
	Geotesting (Int'l), Inc.	測定の項参照	水質・底質分析	
	Woodward-Clyde, Philippine Inc.	Ms. Belen N. Gacad 3/F Alcco Bldg., Ortigas Ave. Greenhills, San Juan, M.M. Tel; 726-3371, Fax; 726-3356	Water and Sediment Quality	Socio-Environment も得意で 沢山のEIAの実績を持つ
	TRINAV SURVEYS, Inc.	測定の項参照	水質分析	
	Associated Resources for Management and Development, Inc	Elda M. Montera / Antonio C. Imperial 1-C Masumurin St. S. Anonas Ext. Sikatuna Village, Quezon City Tel; (632)924-4821, Fax;(632)433-1088	Socio Environment	
	Jesselito V.Baring	JV Baring Building Tel #(032)3450-890, Fax #(032)3450-898	Chemical Eng'g	DENR-EMB の地域長官からの 推薦
	Cebrian Geokonsult. & Services	Jesus Claro B. Cebrian Sr. Rm.411 Krisia Bldg., Corordo Ave., Kahug, Cebu City Tel#(032)232-4771, Fax#(032)412-2257		同上
	Benjamin A. Negapatan	Hidden plain, Borbajo St. Talamban, Cebu City Tel;(032)344-0884,	Chemical Eng'g	同上
	Apollo Enriquez	6 Tambis St. Banawa, Cebu City Tel#(032)254-5306	Civil Eng'g	同上