

# The Feasibility Study and Implementation Support on the CALA East-West National Road Project

FINAL REPORT  
**Appendices**  
**Volume 1**

November 2006

ALMEC Corporation  
Nippon Koei Co., Ltd.



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**THE FEASIBILITY STUDY AND  
IMPLEMENTATION SUPPORT  
ON THE  
CALA EAST-WEST  
NATIONAL ROAD PROJECT**

**FINAL REPORT**

**APPENDICES**

**Volume 1**

**NOVEMBER 2006**

**ALMEC CORPORATION**  
**NIPPON KOEI CO., LTD**

**APPENDIX FOR**  
**CHAPTER 1**

**MINUTES OF THE MEETING  
ON THE  
INCEPTION REPORT  
OF  
THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT  
ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

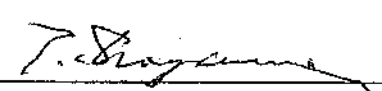
**Manila, 28 January 2005**



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**Mr. Raul C. Asis**

Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)



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**Mr. Takashi Shoyama**

Team Leader  
JICA Study Team

## MINUTES OF DISCUSSION

### FIRST JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE INCEPTION REPORT OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of discussion of the Inception Report for "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 27 January 2005. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team formally submitted the Inception Report to the Steering Committee and made a brief presentation of its main points with particular focus on the study approach and work procedure.
3. After a series of discussions, the following points were agreed upon between the Steering Committee and the JICA Study Team:
  - 3.1 The Inception Report submitted by the JICA Study Team for the abovementioned study was generally accepted.
  - 3.2 On the study organization, GOP's Technical Working Group shall work closely with the JICA Study Team and shall conduct regular scheduled meetings to discuss the progress and concerns of the Study.
  - 3.3 The Study Team agreed to coordinate with the DPWH and the Province of Cavite regarding the CALABARZON Expressway Project which might have significant implications for the CALA East-West Project.
  - 3.4 Upon the request of the DPWH counterpart team, the JICA Study Team, through Mr. Ikeda, shall convey to JICA Headquarters its request to increase the number



of slots allotted for the counterpart training in Japan in line with the Study's technology transfer.

- 3.5 The First Stakeholder Meeting is tentatively scheduled on 17 March 2005. Participants to the meeting shall be selected based on discussions with the Technical Working Group and the DPWH Counterpart Team.
  - 3.6 The Steering Committee agreed to adopt "CALA East-West" as the project's nickname.
4. The meeting was adjourned.



**FIRST STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE**  
**CALA EAST-WEST NATIONAL ROAD PROJECT**

28 January 2005      10:00 A.M.

Venue: Office of Assistant Secretary Raul C. Asis, DPWH  
Bonifacio Drive, Port Area, Manila

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|--|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members                      | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members and explanation of the Inception Report | Team Leader of the JICA Study Team |
| 3. Discussion on the Inception Report  |                                    |
| 4. Other Matters   |                                    |

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## LIST OF PARTICIPANTS

Steering Committee

- |  |   |               |
|--|---|---------------|
| 1. Assistant Secretary RAUL C. ASIS  | : | Chairman      |
| 2. Director LINDA M. TEMPLO, Planning Service  | : | Vice Chairman |
| 3. Mr. Faustino N. Sta. Maria, Jr. (DPWH Counterpart Team Leader) representing Project Director EMIL K. SADAIN, PMO-FS | : | Member        |
| 4. Director GILBERTO S. REYES, BOD, DPWH   | : | Member        |
| 5. Mr. YUJI IKEDA, JICA Highway Advisor for DPWH   | : | Member        |
| 6. Eden Austria (Cavite PPDO) representing Governor IRINEO S. MALIKSI, Province of Cavite                              | : | Member        |
| 7. Glenda David (Tech'l Asst.) representing Director ILDEFONSO PATDU, Transport Planning Service, DOTC                 | : | Member        |
| 8. Pablito Abellera (NEDA Infra Staff) representing Assistant Director ROLANDO G. TUNGPALAN, NEDA                      | : | Member        |
| 9. Lualhati Panepio (Action Officer, Bridge Proj) representing Director ROLYN Q. ZAMBALES, DILG                        | : | Member        |

JICA

- |                          |   |  |
|--------------------------|---|--|
| 1. Mr. Takafumi Yasumoto | : | Assistant Resident Representative, JICA Phils. |
|--------------------------|---|--|

JICA Study Team

- |                          |   |                    |
|--------------------------|---|--------------------|
| 1. Mr. Takashi SHOYAMA   | : | Team Leader        |
| 2. Mr. Michimasa TAKAGI  | : | Deputy Team Leader |
| 3. Mr. Tomoo AOKI        | : | Deputy Team Leader |
| 4. Mr. Yutaka KOKUFU     | : | Member             |
| 5. Ms. Beulah E. Pallana | : | Member             |
| 6. Mr. Rene S. Santiago  | : | Member             |
| 7. Mr. Joel F. Cruz      | : | Member             |

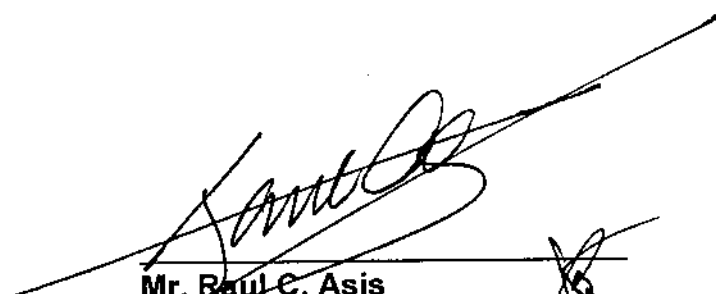
DPWH Counterpart Team

- |                                    |   |                         |
|------------------------------------|---|-------------------------|
| 1. Mr. Faustino N. Sta. Maria, Jr. | : | Team Leader             |
| 2. Ms. Victoria Corpuz             | : | Counterpart Coordinator |




**MINUTES OF THE MEETING  
ON THE  
INTERIM REPORT  
OF  
THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT  
ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

**Manila, 17 August 2005**



**Mr. Raul C. Asis**  
Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)



**Mr. Takashi Shoyama**  
Team Leader  
JICA Study Team

## MINUTES OF DISCUSSION

### SECOND JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE INTERIM REPORT OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of discussion of the Interim Report for "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 17 August 2005 at the Operations Room of DPWH, Manila. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team formally submitted the Interim Report to the Steering Committee and made a brief presentation of its main points with focus on the development scenarios and proposed priority projects.
3. After a series of discussions, the following points were agreed upon between the Steering Committee and the JICA Study Team to guide succeeding activities of the study:
  - 3.1 Coverage for feasibility study are the three priority road projects of C10-North/South 3 (Bacoor-Dasmariñas "Busway Alignment"), a part of C04-East/West 1 (Daang Hari Extension), and a part of C03 Cavite Expressway.
  - 3.2 Commencement of the Environmental Impact Statement (EIS) Process for the Priority Projects shall start immediately after the Steering Committee meeting. DPWH through its Planning Office shall start the coordination with DENR. Further, DPWH will undertake the EIS process with tentative schedule for the scoping process as follows: (i) first level scoping meeting on early September, (ii) Official Scoping Session on mid September, (iii) submission of Formal

Scoping Report on mid September, and (iv) validation letter from DENR-EMB on late September. The draft EIS report will be prepared during the JICA study.

- 3.3 Further analysis for the responsibility sharing between DPWH, National Development Corporation (NDC), Philippine National Construction Corporation (PNCC), and Coastal Road Corporation (CRC) in implementing the three priority road projects will be conducted by the study team. Results of the analysis will be presented in the next Steering Committee meeting in December 2005, which will guide the agencies concerned in deciding on the sharing of responsibility for implementing the priority roads. Also, DPWH will make representations with the Department of Justice regarding the Bilibid Prison Compound, which is in the alignment of the East West Road connection to the South Luzon Expressway (SLE). Similar coordination was already done with the National Housing Authority; the agency tasked to plan the development of the Bilibid Prison area.
  - 3.4 The possibility of the Municipality of Amadeo in Cavite to have an access to the Cavite Expressway (a target priority road for feasibility study) shall be considered in the study.
4. The meeting was adjourned at 11:30 a.m.

**SECOND STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE**  
**CALA EAST-WEST NATIONAL ROAD PROJECT**

17 August 2005      9:00 A.M.

Venue: Operations Room of the Office of the Assistant Secretary Raul C. Asis,  
DPWH, Bonifacio Drive, Port Area, Manila

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|--|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members                    | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members and Explanation of the Interim Report | Team Leader of the JICA Study Team |
| 3. Discussion on the Interim Report  |                                    |
| 4. Other Matters   |                                    |

## LIST OF PARTICIPANTS

**Steering Committee**

- |   |   |               |
|---|---|---------------|
| 1. Assistant Secretary Raul C. Asis, DPWH   | : | Chairman      |
| 2. Director Linda M. Templo, Planning Service, DPWH   | : | Vice Chairman |
| 3. Mr. Faustino N. Sta. Maria, Jr., DPWH Counterpart Team Leader and Project Director, DPWH PMO-FS                      | : | Member        |
| 4. Mr. Yuji Ikeda, JICA Highway Advisor for DPWH  | : | Member        |
| 5. Mr. Valentin P. Guidote, Jr. (PPDO), representing Gov. Teresita S. Lazaro, Province of Laguna                        | : | Member        |
| 6. Mr. Ciriaco F. Castro (Engr. V), representing Reg'l. Dir. Bonifacio O. Seguit, DPWH IV-A                             | : | Member        |
| 7. Mr. Rene David (Senior Comm. Devt. Officer), representing Director Ildefonso Patdu, Transport Planning Service, DOTC | : | Member        |
| 8. Mr. Emmanuel D. Cortero (Ecozone Devmt. Mgr.), representing Dir. Gen. Lilia B. De Lima, PEZA                         | : | Member        |
| 9. Mr. Dante B. Potante (OIC-Assst. Director), representing Dir. Danilo C. Manalang, BOD, DPWH                          | : | Member        |

**JICA Philippine Office**

- |  |   |             |
|--|---|-------------|
| 1. Mr. Sugiyama SHIGERU, Assistant Resident Representative | : | JICA Phils. |
| 2. Ms. Joan Sapalare, Program Assis                        | : | JICA Phils  |

**JICA Study Team**

- |                          |   |                    |
|--------------------------|---|--------------------|
| 1. Mr. Takashi Shoyama   | : | Team Leader        |
| 2. Mr. Tomoo Aoki        | : | Deputy Team Leader |
| 3. Dr. Akira Hosomi      | : | Member             |
| 4. Mr. Godofredo Galano  | : | Member             |
| 5. Mr. Rene Santiago     | : | Member             |
| 6. Ms. Beulah E. Pallana | : | Member             |
| 7. Mr. Joel F. Cruz      | : | Member             |
| 8. Ms. Lynn Sison        | : | Member             |
| 9. Ms. Nanette Abilay    | : | Member             |

**DPWH Counterpart Team**

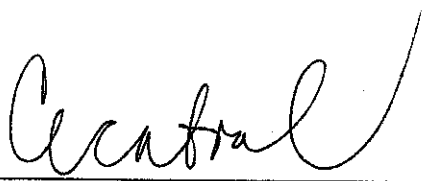
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| 1. Mr. Carmelino C. Tizon | : | Counterpart Coordinator |
|---------------------------|---|-------------------------|

**Others**


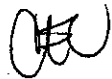
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|--|-----------|
| 1. Mr. Florencio Rey Alano, PMO-F DOT, DPWH  |           |
| 2. Ms. Josephine F. Baquiran, DPWH Region IV | 4. Member |

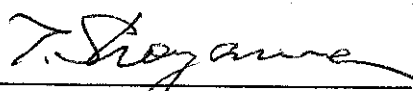
**MINUTES OF THE MEETING**  
**ON THE**  
**SELECTED ALIGNMENT FOR F/S AND ITS PROPOSED**  
**IMPLEMENTING ARRANGEMENTS AND ENVIRONMENT**  
**CONSIDERATIONS**  
**OF**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

**Manila, 14 December 2005**

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**Mr. Raul C. Asis**  
Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)  
  


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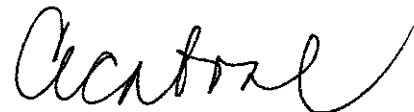
**Mr. Takashi Shoyama**  
Team Leader  
JICA Study Team

## MINUTES OF DISCUSSION

### THIRD JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE SELECTED ALIGNMENT FOR F/S AND ITS PROPOSED IMPLEMENTING ARRANGEMENTS AND ENVIRONMENT CONSIDERATIONS OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of discussion of the Selected Alignment for F/S and Environment Considerations for "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 14 December 2005 at the Training Room of DPWH, Manila. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team made a brief presentation of the progress of the study with focus on the selected alignment for F/S and the tentative implementation arrangements as well as the environment considerations for the proposed priority projects.
3. Several reactions were made on the 3-stage implementation arrangements, mostly favorable to the study team's suggestions, as follows:
  - 3.1 Stage 1 of the North-South Road, particularly sections NS1, NS2 and NS3, will be developed into a toll road by NDC-PIC, subject to procedures laid out under the BOT Law, as well as DH2 to link the existing sections of Daang Hari to SLEX.
  - 3.2 The western extension of Daang Hari (comprising DH3 and DH6) shall be developed as a non-toll limited access road under the regular budget of DPWH, with possible ODA financing, and NDC advances for ROW acquisition. Also envisioned for the stage 2 implementation, on the same model, is the CALA Expressway (CE5-CE7).



- 3.3 The remaining segments of the North-South Road (NS4 and NS6) shall be developed as a non-toll limited access road under DPWH budget and possible ODA financing.
- 3.4 NDC-PIC expressed its commitment to the early construction of DH2 (SLEX connection) by 2006, as well as the proposal on NS1, NS2 and NS3. However, further progress hinges on a pending Memorandum of Agreement with DPWH on the above items.
- 3.5 To accelerate implementation, additional assistance may have to be sought on two key items: (i) from JICA for the parcellary mapping on the ROW of the non-toll roads, and (ii) from the World Bank for the concessioning and detailed engineering of the toll expressway segments.
- 3.6 The representative of the LGUs committed to push for the enactment of ordinances that will freeze land use classifications in affected areas.
- 3.7 The endorsement of the projects by the Regional Development Council for Region IV-A will also be tabled soon, since the roads are seen as vital to the industrial development of Cavite and Laguna.
4. It was then agreed between the Steering Committee and the JICA Study Team that the Study Team shall thresh out and forge a mutually-acceptable MOA between DPWH and NDC by or before the 1st week of January 2006.
5. The meeting was adjourned at 11:45 a.m.


*Accidental*



**THIRD STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

RIMSS Workshop Room, DPWH, Manila  
9 am, 14 December 2005

- |   |                                    |
|---|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members   | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members  | Team Leader of the JICA Study Team |
| 3. Discussion on Evaluation of Alternative Alignments and Environmental and Social Consideration Activities |                                    |
| 4. Other Matters  |                                    |

A handwritten signature in black ink, appearing to read 'Cecilia', is located in the bottom right corner of the page.

## LIST OF PARTICIPANTS

Steering Committee

1. OIC Director Ma. Catalina E. Cabral, Planning Service, DPWH : Vice Chairman
2. Mr. Faustino N. Sta. Maria, Jr. (DPWH Counterpart Team Leader and Project Director, DPWH PMO-FS) : Member
3. Engr. Geronimo S. Alonzo (Engineer V, BOD) representing Dir. Danilo Manalang, Bureau of Design, DPWH : Member
4. Mr. YUJI IKEDA, JICA Highway Advisor for DPWH : Member
5. Engr. Ciriaco F. Castro (Chief, Planning and Design Division DPWH Region IV-A) representing RD Bonifacio Seguit, DPWH Region IV-A : Member
6. Engr. Gilberto Mondez (Provincial Engineer) representing Gov. Teresita S. Lazaro, Province of Laguna : Member
7. Atty. Jesus Sirios (OIC, Deputy Dir. General for Policy and Planning), representing Dir. Gen. Lilia B. De Lima, PEZA : Member
8. Ms. Glenda David (Technical Assistant for the Office of the Director) representing Dir. Ildefonso T. Patdu, Planning Service, DOTC : Member
9. Ms. Liberty Abellon (Chief, Plan Formulation Group) representing RD Severino C. Santos, NEDA Region 4-A : Member

JICA

1. Mr. Sugiyama SHIGERU, Assistant Resident Representative : JICA Phils.

World Bank

1. Mr. Christopher T. Pablo, Operations Officer, Infrastructure Division : WB

JICA Study Team

1. Mr. Takashi SHOYAMA : Team Leader
2. Mr. Tomoo AOKI : Deputy Team Leader
3. Mr. Michimasa TAKAGI : Deputy Team Leader
4. Mr. Eiichi YOKOTA : Member
5. Mr. Kentaro OKUNO : Member
6. Mr. Godofredo Galano : Member
7. Mr. Rene S. Santiago : Member
8. Ms. Beulah E. Pallana : Member
9. Mr. Joel F. Cruz : Member
10. Ms. Lynn Sison : Member
11. Ms. Nanette Abilay : Member
12. Arch. Encarnacion Raralio : Member
13. Mr. Teodoro T. Encarnacion : Advisor


Guests

1. Mr. Noel Eli B. Kintanar, President, Philippine Infrastructure Corporation
2. Mariflor F. Pelayo-Reyes, Bus. Devt. Mgr. III, PIC
3. Patrick John R. Ramos, BDM, PIC
4. Arnold Castillo, Civil Engineer, PNCC
5. Dir. Patrick B. Gatan, Infrastructure Road Right of Way, DPWH
6. Proj. Dir. (OIC) Bienvenida A. Firmalino, Built-Operate-Transfer PMO, DPWH
7. Florencio Rey Alano, BOT-PMO, DPWH
8. Chairperson Richard Albert I. Osmond, Regional Devt Council RIV-A
9. Ms. Josephine F. Baquiran, DPWH Region IV
10. Ms. Rebecca Garsuta Planning, DPWH
11. Engr. Danilo Balisi, Engineer IV, BOD



**MINUTES OF THE MEETING**  
**ON THE**  
**THE PROPOSED IMPLEMENTING ARRANGEMENTS AND**  
**ENVIRONMENTAL AND SOCIAL CONSIDERATION ACTIVITIES**  
**OF**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

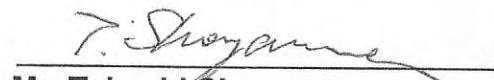
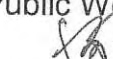
**Manila, 20 March 2006**



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**Mr. Raul C. Asis**

Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)



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**Mr. Takashi Shoyama**


Team Leader  
JICA Study Team

## MINUTES OF DISCUSSION

### FOURTH JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE PROPOSED IMPLEMENTING ARRANGEMENTS AND ENVIRONMENTAL AND SOCIAL CONSIDERATION ACTIVITIES OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of discussion of the Proposed Implementing Arrangements and Environmental and Social Considerations for "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 20 March 2006 at the Training Room of DPWH, Manila. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team made a brief presentation of the progress of the study with focus on the updated demand forecast, financial analysis of the proposed toll roads, adjustment in alignments due to new property developments in Citta Italia, Stateland, and Ayala Westgrove, as well as due to the observed topography in Silang. A brief status of the environmental and social surveys as well as natural, topographical and aerials surveys was presented.
3. A brief presentation was made on the implementation arrangements to speed up realization of the target roads. Under a scenario of DPWH only, ROW and DE could commence only by 2008; but with the participation of NDC-PIC, it is possible to begin construction of DH2 in 2007 and of NS1 by 2008, and to advance the ROW acquisition for DH4. It was also reported that the proposed MOA between DPWH and NDC-PIC, which was discussed in the December 2005 Steering Committee meeting, has been threshed out among the parties and is ready for signing before end-March 2006. The presentation also highlighted the sequence of activities that need to be



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undertaken so that construction of NS1 can begin as early as 4th quarter 2007 – subject to early completions of DE and the grant of a Toll Concession.

4. Mr. Noel Kintanar of PIC was given the opportunity to explain the key features of the MOA between DPWH and NDC-PIC, as well as the respective obligations of the parties. This is tabled for approval by the NDC Board on 27 March. He assured the Committee that PIC would exit as soon as possible and turn over the special project company to private investors.
5. Several reactions and comments were made after the presentation, as follows:
  - 5.1 Cavite province reported that their Provincial Board has already passed a resolution endorsing support for the identified CALA road projects. And once alignment has been finalized, the Provincial Board is also studying the possibility of passing an ordinance to protect the right of way of these identified road projects. In addition, JICA is requested to extend additional technical assistance to CALA LGUs on protecting the target roads' right of way and corridor development.
  - 5.2 PMO-FS also requested JICA's further assistance to keep the momentum of the CALA project activities, particularly for critical activities necessary to ensure implementation, but which are not anymore part of the present study, such as parcellary survey, detailed design, detailed resettlement action plan, and continuous implementation support, among others. In addition, intensive training on STRADA is requested for representatives of DPWH PMO-FS staff.
  - 5.3 The representatives of the donor agencies expressed that the Steering Committee can expect a favorable action on the additional support needed, particularly on parcellary mapping and preparation of detailed resettlement action plan, to pave the way for construction of the priority road segments at the earliest possible time.
  - 5.4 There is a need to present the project to the Inter-Agency Committee on Transport Planning (IACTP) soon, so that the project can be cited in the forthcoming coordination meeting of ODA agencies with NEDA, which is scheduled to take place on 4 April 2006.
  - 5.5 The endorsement of the projects by the Regional Development Council for Region IV-A should also be secured before consideration of the NEDA-ICC.
  - 5.6 NDC-PIC reported that they had already secured the parcellary mapping for NS1 from LRTA and asked DPWH to review the proposed design of the LRT-1 structure vis-à-vis the proposed NS1 viaduct.
6. The meeting was adjourned at 3:50 p.m.



**FOURTH STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

Function Room, DPWH, Manila  
1:30 pm, 20 March 2006

- |  |                                    |
|--|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members                                  | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members   | Team Leader of the JICA Study Team |
| 3. Discussion on implementation arrangements and Environmental and Social Consideration Activities |                                    |
| 4. Other Matters   |                                    |
| (a) Parcellary mapping (JICA)  |                                    |
| (b) Concessioneing and detailed engineering (WB)   |                                    |
| (c) Endorsement/resolutions of the projects by RDC/LGUs  |                                    |
| (d) MOA between DPWH and NDC   |                                    |



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## LIST OF PARTICIPANTS

Steering Committee

1. Assistant Secretary Raul C. Asis, DPWH : Chairman
2. Mr. Faustino N. Sta. Maria, Jr. (DPWH Counterpart Team Leader and Project Director, DPWH PMO-FS) : Member
3. Dir. Danilo Manalang, Bureau of Design, DPWH : Member
4. Mr. Yuji Ikeda, JICA Highway Advisor for DPWH : Member
5. Asst. Reg. Dir. Huillio B. Belleza representing RDir. Bonifacio Seguit, DPWH Region IV-A : Member
6. Ms. Eden V. Austria (PPDO) representing Gov. Erineo S. Maliksi, Province of Cavite : Member
7. Mr. Emmanuel D. Cortero (OIC, Ecozone Devt Dept) representing Dir. Gen. Lilia B. De Lima, PEZA : Member
8. Ms. Liberty Abellon (Chief Economic Development Specialist, Plan Formulation Group) representing RDir. Severino C. Santos, NEDA Region 4-A : Member

JICA

1. Mr. Sugiyama SHIGERU, Assistant Resident Representative : JICA Phils.
2. Ms. Joan Salapare, Program Assistant

World Bank

1. Mr. Ben Eijberjen, Infrastructure Sector Coordinator : WB

JICA Study Team

1. Mr. Takashi SHOYAMA : Team Leader
2. Mr. Tomoo AOKI : Deputy Team Leader
3. Mr. Kentaro OKUNO : Member
4. Mr. Godofredo Galano : Member
5. Mr. Rene S. Santiago : Member
6. Ms. Nanette Abilay : Member
7. Mr. Teodoro T. Encarnacion : Advisor

DPWH Counterpart

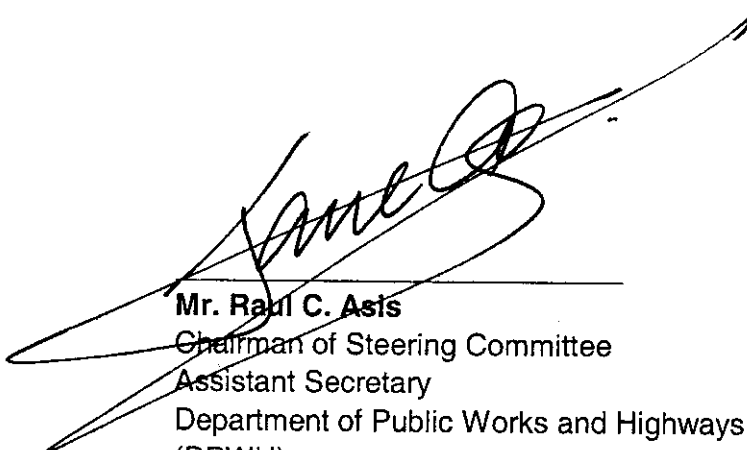
1. Mr. Carmelino Tizon, Project Coordinator, DPWH-PMO FS :

Guests

1. Mr. Noel Eli B. Kintanar, President, Philippine Infrastructure Corporation
2. Atty. Miguel A. Robillo, Legal Counsel, PIC
3. Mr. Patrick John R. Ramos, BDM, PIC
4. Apolonio M. De Guzman, TRB
5. Pepito S. Consunji, Jr. representing Dir. Patrick B. Gatan, Infrastructure Road Right of Way and Resettlement (IROWR), DPWH
6. Mr. Florante M. Sulit, IROWR
7. Mr. Sonny D. Macasil, IROWR
8. Proj. Dir. (OIC) Bienvenida A. Fimalino, Built-Operate-Transfer PMO, DPWH
9. Florencio Rey Alano, BOT-PMO, DPWH
10. Engr. Alexander M. Padilla, Engineer III, DPWH-NCR
11. Ms. Josephine D. Hapil (Sr. Economic Development Specialist) representing Chairperson Richard Albert I. Osmond, Regional Devt Council RIV-A
12. Ms. Josephine F. Baquiran, DPWH Region IV

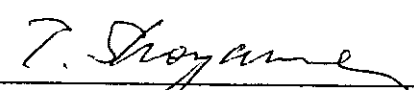
**MINUTES OF THE MEETING**  
**ON THE**  
**UPDATED COSTS AND ECONOMIC/FINANCIAL EVALUATION,**  
**PROPOSED IMPLEMENTING ARRANGEMENTS AND**  
**ENVIRONMENTAL AND SOCIAL CONSIDERATIONS**  
**OF**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

**Manila, 31 July 2006**



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**Mr. Raul C. Asis**  
Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)



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**Mr. Takashi Shoyama**  
Team Leader  
JICA Study Team



## MINUTES OF DISCUSSION

### FIFTH JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE UPDATED COSTS AND ECONOMIC/FINANCIAL EVALUATION, PROPOSED IMPLEMENTING ARRANGEMENTS AND ENVIRONMENTAL AND SOCIAL CONSIDERATIONS OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of discussion of the Updated Costs and Economic/Financial Evaluation, Proposed Implementing Arrangements and Environmental and Social Considerations for "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 31 July 2006 at the Operations Room of DPWH, Manila. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team made a brief presentation of the progress of the study with focus on the updated demand forecast, financial analysis of the proposed toll roads, adjustment in alignments and project costs. The status of the environmental and social aspects inclusive of the EIA and preliminary RAP was presented.
3. DPWH BOD requested the Team to review the design standard required for 60-km speed roads to be consistent with the DPWH BOD guidelines.
4. PEZA requested to consider the impact on the movement of goods of locators during construction period. Study Team confirmed that part of the requirement of the EIS is a traffic management plan as a mitigating measure to address traffic problems during construction.



5. ESSO concurred with the process undertaken by the Study Team as they are involved during the consultations made with the stakeholders. IROWR anticipates that, because of the extensive consultations made during the study, not many problems will arise during right of way acquisition.
6. DPWH followed-up from JICA representative status of request for additional technical assistance to cover parcellary survey. JICA representative reported that this is now being discussed in Tokyo.
7. A brief presentation was made on the implementation arrangements now reflecting comments of the World Bank Mission and the decision of the DPWH officials. Basically, the NS-Way will be through PPP with DPWH conducting the bidding following the Star Expressway process. DPWH will conduct an internal meeting as soon as possible to arrive at the final decision on the funding arrangement and the timetable for implementation.
8. NEDA requested the Study Team to present to the Regional Development Council Infrastructure Committee to enlarge the support for the project prior to seeking approval of NEDA-ICC. The local counterparts are expected to handle the presentations during the absence of the members of the Study Team.
9. The meeting was adjourned at 11:30 a.m.



**FIFTH STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

Operations Room, DPWH, Manila  
9:00 am, 31 July 2006

- |  |                                    |
|--|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members  | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members   | Team Leader of the JICA Study Team |
| 3. Discussion on the following:<br>(a) overall project costs in relation with MTPIP<br>(b) environmental and social aspects<br>(c) implementation arrangements |                                    |
| 4. Other Matters   |                                    |



## LIST OF PARTICIPANTS

**Steering Committee**

- |   |                 |
|---|-----------------|
| 1. Assistant Secretary Raul C. Asis, DPWH   | : Chairman      |
| 2. Dr. Ma. Catalina E. Cabral, OIC-Dir. Planning Service  | : Vice-Chairman |
| 3. Mr. Faustino N. Sta. Maria, Jr. (DPWH Counterpart Team Leader and Project Director), DPWH PMO-FS | : Member        |
| 4. Dir. Gilberto S. Reyes, Bureau of Design, DPWH   | : Member        |
| 5. Mr. Michio Ohsumi, JICA Highway Advisor for DPWH   | : Member        |
| 6. RDir. Bonifacio Seguit, DPWH Region IV-A   | : Member        |
| 7. Ms. Eden V. Austria (PPDO) representing Gov. Erineo S. Maliksi, Province of Cavite               | : Member        |
| 8. Mr. Valentin P. Guidote (PPDO) representing Gov. Teresita Lazaro, Province of Laguna             | : Member        |
| 9. Engr. Leonisa E. Suarez (Zone Manager) representing Dir. Gen. Lilia B. De Lima, PEZA             | : Member        |
| 10. RDir. Severino C. Santos, NEDA Region 4-A   | : Member        |

**JICA**

- |   |               |
|---|---------------|
| 1. Mr. Mitsuhiro Maehara, Assistant Resident Representative | : JICA Phils. |
| 2. Ms. Akiko Satomura, Project Formation Advisor            |               |
| 3. Ms. Joan Salapare, Program Assistant                     |               |

**JICA Study Team**

- |                               |               |
|-------------------------------|---------------|
| 1. Mr. Takashi SHOYAMA        | : Team Leader |
| 2. Mr. Kentaro OKUNO          | : Member      |
| 3. Mr. Godofredo Galano       | : Member      |
| 4. Mr. Rene S. Santiago       | : Member      |
| 5. Ms. Lynn Sison             | : Member      |
| 6. Ms. Nanette Abilay         | : Member      |
| 7. Mr. Teodoro T. Encarnacion | : Advisor     |

**DPWH Counterpart**

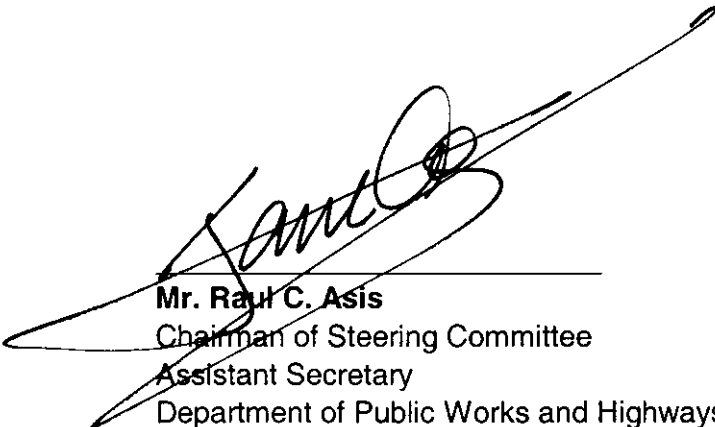
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|--|---|
| 1. Mr. Carmelino Tizon, Project Coordinator, DPWH-PMO FS | : |
| 2. Mr. Alvin Madrid, Environment Specialist, DPWH-PMO FS | : |

**Guests**

- |   |  |
|---|--|
| 1. Mr. Noel Eli B. Kintanar, President, Philippine Infrastructure Corporation |  |
| 2. Mr. Patrick John R. Ramos, BDM, PIC  |  |
| 3. Mr. John Jay Leuterio, IROWR, DPWH   |  |
| 4. Mr. Sonny D. Macasil, IROWR, DPWH  |  |
| 5. Ms. Belinda Fajardo, ESSO, DOWH  |  |
| 6. Proj. Dir. (OIC) Bienvenida A. Firmalino, Built-Operate-Transfer PMO, DPWH |  |
| 7. Florencio Rey Alano, BOT-PMO, DPWH   |  |
| 8. Engr. Alexander M. Padilla, Engineer III, DPWH-NCR                         |  |
| 9. Ms. Josephine F. Baquiran, DPWH Region IV                                  |  |
| 10. Mr. Danilo Balisi, DPWH BOD   |  |
| 11. Mr. FS Legaspi, PEZA  |  |

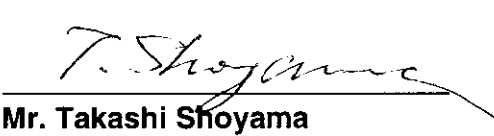

**MINUTES OF THE MEETING**  
**ON THE**  
**FINAL PROJECT OUTPUTS, FINDINGS AND**  
**RECOMMENDATIONS**  
**OF**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

**Manila, 13 September 2006**



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**Mr. Raul C. Asis**  
Chairman of Steering Committee  
Assistant Secretary  
Department of Public Works and Highways  
(DPWH)



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**Mr. Takashi Shoyama**  
Team Leader  
JICA Study Team

## MINUTES OF DISCUSSION

### SIXTH JOINT MEETING BETWEEN THE STEERING COMMITTEE AND THE JICA STUDY TEAM REGARDING THE FINAL PROJECT OUTPUTS, FINDINGS AND RECOMMENDATIONS OF THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT ON THE CALA EAST-WEST NATIONAL ROAD PROJECT

The Feasibility Study and Implementation Support on the CALA East-West National Road Project commenced in January 2005 based on the Implementing Arrangement (I/A) and the Minutes of the Meeting signed by both Philippine and Japanese sides in September 2004. A Steering Committee was created by the Philippine Government and is chaired by Mr. Raul C. Asis of the Department of Public Works and Highways (DPWH) and composed of the representatives from National Economic and Development Authority (NEDA), Department of Transportation and Communications (DOTC), Department of Interior and Local Government (DILG), Provinces of Cavite and Laguna, and Philippine Economic Zone Authority (PEZA). The Steering Committee organized a Government of the Philippines (GOP) Technical Working Group which is composed of qualified staff from each concerned agency to ensure an effective and coordinated work during the conduct of the Study.

1. For the purpose of presenting the final project outputs, findings and recommendations of "The Feasibility Study and Implementation Support on the CALA East-West National Road Project", a joint meeting between the Steering Committee and the JICA Study Team was held on 13 September 2006 at the Operations Room of DPWH, Manila. The agenda is shown in Annex A, while the list of the participants is shown in Annex B.
2. The JICA Study Team made a brief presentation on the final results of the study with focus on the demand and cost update, environmental and social aspects, engineering, and implementation arrangements.
3. The Draft Final Report was formally submitted to the Steering Committee with a request from the study team that comments be submitted within one month.
4. PEZA inquired if their request during the 5<sup>th</sup> SC Meeting was addressed by the Study Team, regarding the inclusion of a traffic management plan in the EIS preparation. The Study Team confirmed that ~~it~~ a traffic management plan is included in the EIS report which will be submitted to JICA this month.
5. NEDA inquired on the position of the DPWH regarding the implementation schemes being proposed by the Study Team. DPWH announced their decision to conduct the parcellary survey of and resettlement action plan for NS1 to NS5, regardless of which implementation scheme to pursue. In addition, DPWH reported that it has requested

the WB for technical assistance to fund the additional project preparation activities, particularly on finalization of the implementation support for the project.

6. WB congratulated the Study Team for the successful conduct of the study. In addition, it has expressed its intention for using this study as model for preparation and packaging of other similar projects.
7. WB also confirmed it will fund several TAs for other project preparation activities using PHRD grants from Japanese government.
8. DPWH reported that it has allocated P380M for ROW starting 2007, and additional funds for CALA in the coming years. From this allocation, DPWH can start parcellary survey and resettlement action plan even without the detailed engineering.
9. JICA Study Team inquired on the level of disclosure of the study results that shall be adopted. DPWH expressed its intention to continue the project's practice of transparency and full disclosure.
10. DPWH expressed its gratitude to JICA for funding the study.
11. The meeting was adjourned at 4:15 p.m.



**SIXTH STEERING COMMITTEE MEETING**  
**THE FEASIBILITY STUDY AND IMPLEMENTATION SUPPORT**  
**ON THE CALA EAST-WEST NATIONAL ROAD PROJECT**

Operations Room, DPWH, Manila  
2:00 pm, 13 September 2006

- |   |                                    |
|---|------------------------------------|
| 1. Opening Remarks and Introduction of Steering Committee Members   | Chairman of the Steering Committee |
| 2. Introduction of the JICA Study Team Members  | Team Leader of the JICA Study Team |
| 3. Discussion on the following:<br>(a) demand and cost update<br>(b) environmental and social aspects<br>(c) engineering<br>(d) implementation arrangements |                                    |
| 4. Other Matters  |                                    |

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## Annex B

### LIST OF PARTICIPANTS

#### Steering Committee

1. Assistant Secretary Raul C. Asis, DPWH : Chairman
2. Ms. Zaida Gonzaga representing, Dr. Ma. Catalina E. Cabral, OIC-Dir. Planning Service : Vice-Chairman
3. Mr. Faustino N. Sta. Maria, Jr. (DPWH Counterpart Team Leader and Project Director), DPWH PMO-FS : Member
4. Mr. Danilo Balisi, Bureau of Design, DPWH : Member
5. Asst. Dir. Huillio Belleza, DPWH Region IV-A : Member
6. Gov. Erineo S. Maliksi, Province of Cavite : Member
7. Engr. Francisco Legazpi, OIC Support Service Staff, representing Dir. Gen. Lilia B. De Lima, PEZA : Member
8. Ms. Liberty Abellon representing RDir. Severino C. Santos, NEDA Region 4-A : Member
9. Mr. Lysander A. Remorosa, LGOO, DILG representing A. Dir. Rolyng Zambales : Member
10. Ms. Glenda David, TA representing Dir Ilderfonso Patdu, DOTC : Member
11. Ms. Kathreen Miralles, EDS, representing ADG. Rolando Tungpalan, NEDA : Member

#### JICA

1. Mr. Mitsuhiro Maehara, Assistant Resident Representative : JICA Phils.
2. Ms. Joan Salapare, Program Assistant

#### JICA Study Team

1. Mr. Takashi SHOYAMA : Team Leader
2. Mr. Michimasa TAKAGI : Deputy Team Leader
3. Mr. Tomoo AOKI : Deputy Team Leader
4. Mr. Eichi YOKOTA : Member
5. Mr. Godofredo Galano : Member
6. Mr. Rene S. Santiago : Member
7. Ms. Lynn Sison : Member
8. Ms. Nanette Abilay : Member
9. Mr. Teodoro T. Encarnacion : Advisor

#### DPWH Counterpart

1. Mr. Carmelino Tizon, Project Coordinator, DPWH-PMO FS :
2. Mr. Alvin Madrid, Environment Specialist, DPWH-PMO FS

#### Guests

1. Mr. Sonny D. Macasil, IROWR, DPWH
2. Ms. Criste Navide, ESSO, DOWH
3. Proj. Dir. (OIC) Bienvenida A. Firmalino, Built-Operate-Transfer PMO, DPWH
4. Florencio Rey Alano, BOT-PMO, DPWH
5. Ms. Lydia Chua, OIC, PDP, DPWH-NCR
6. Ms. Myrna Rodriguez, DPWH-NCR
7. Mr. Ciriaco Castro, DPWH Region IV-A
8. Ms. Eden Austria, PPDO, Cavite
9. Mr. Apolonio M. De Guzman, TRB
10. Mr. Ben Eijbergen, WB
11. Mr. Christopher Pablo, WB

