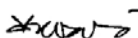


**MINUTES OF MEETING
ON
THE FOURTH STEERING COMMITTEE MEETING
OF
THE STUDY
ON
THE NATIONWIDE FLOOD RISK ASSESSMENT
AND THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS
IN
THE REPUBLIC OF THE PHILIPPINES**

MANILA, July 11, 2007



Resito V. David
Project Director of PMO-FCSEC,
Steering Committee
Department of Public Works and
Highways



Mr. Yoshiharu Matsumoto
Team Leader
JICA Study Team

Noted:


Mr. Raul C. Asis

Assistant Secretary and
Chairman, Steering Committee
Department of Public Works and Highways

I. General

The meeting for the presentation of progress including the result of the second screening and the selection of model river basins for the Study on the Nationwide Flood Risk Assessment and the Flood Mitigation Plan for the Selected Areas in the Republic of the Philippines (hereinafter referred to as "the Study") was held on July 11, 2007 at the Operations Room, 2nd Floor of DPWH Central Office, Manila.

The list of attendance is shown in the Attachment.

II. Discussions

First, Resito V. David, Project Director of PMO-FCSEC, on behalf of Assistant Secretary Mr. Raul C. Asis, the Chairman of the Steering Committee, called the Steering Committee Meeting to order and discussed with the participants on the Minutes of Meeting of the previous Steering Committee Meeting, which had been held on April 24, 2007.

Then, Mr. Yoshiharu Matsumoto, the Team Leader of the Study Team, proceeded to explain the progress of the Study including the result of the second screening and the selection of model river basins. The contents were accepted in principle by the Philippine side.

In the meeting, the following confirmation and comments on the Study were made:

1. Approval of the Minutes of Meeting of 3rd Steering Committee Meeting

The Minutes of Meeting of 3rd Steering Committee Meeting was accepted by the Philippine side and the Japanese side.

2. Comments on the Results of the Second Screening

1) Economic Evaluation Applied B/C and B-C

The Philippine side (PAGASA) questioned that application of B/C and B-C may be considered as double count for the economic evaluation. The Philippine side (FCSEC) added a comment that NEDA applies only B/C for an economic evaluation.

The Study Team answered that it is not considered as a double count, which was explained and understood in the previous 3rd steering committee meeting; B/C and B-C are represented as a relevant value and an absolute value, respectively. The Study Team explained that large-scale river basins with even a low value of B/C should be given an advantage for the national development, compared to small-scale river basins with a high value of B/C, when a value of B-C for large-scale river basins is higher than small-scale

river basins. Regarding this matter, the Study Team considered these two types of indicators should be applied for the evaluation at the same time as noticed from the fact that the economic evaluation in principal is undertaken three indices; IRR, B/C, B-C, though IRR is not available in this study.

Philippine side (DPWH) added the comment that the Study Team will examine the case of evaluation using only B/C according to the discussion on the TWG held on July 10, 2007.

The Philippine side (PAGASA) understood.

2) Criteria of 2nd Screening

The Philippine side (PAGASA) informed that the application of the economic evaluation only bring about less attractive to Mindanao Regions. The Philippine side questioned about the inclusion of regional allocation in the criteria for the screening.

The Study Team answered that the regional allocation is considered, and at least two river basins are selected from the same region, and 18 river basins from whole Mindanao Regions.

The Philippine side (PAGASA) agreed.

3) Selected River Basins Resulted by 2nd Screening

The Philippine side (PAGASA) questioned about the number of selected river basins through 2nd screening.

The Study Team answered that 56 river basins are selected.

The Philippine side (PAGASA) understood.

As supplemental information, the Philippine side (DPWH) gave the following items.

- 1) Tuganay and adjoining Tagum-Libuganon can be regarded as one river basin during the flooding time because flood water on Tuganay flow into Tagum-Libuganon, or vice versa.
- 2) Lipadas and adjoining Talomo can be regarded as one river basin from the same reason as item 1).
- 3) The result on Silvay and Disacan-Manukan river basins should be reviewed because the priority seems to be higher according to local point of view. (Both are located on Region IX.)

The Study Team explained that the rivers mentioned on items 1) and 2) would be handled as an independent river basin for the ranking. However, these basins should be studied together at the same time when the necessity of the combined study on two adjoining river basins is identified through further study. Regarding item 3), the Study Team answered that evaluation of Silvay and Disacan-Manukan will be reviewed, and the result will be shown in the Interim Report.

The Philippine side agreed.

4) Applicability of this Study to the Policy of DPWH

JBIC questioned about the applicability of the criteria and selecting procedure by this Study to the policy of DPWH.

The Philippine side (DPWH) answered that the prioritization of river basins is mostly finalized from an engineering point of view. The remaining consideration is the regional allocation, the degree of emergency by such occurrence of catastrophic disaster, and the other parameters such as Right-of-Way acquisition, environmental aspects, etc.

JBIC understood.

5) Application to JBIC Loan

JBIC questioned that DPWH applies to JBIC loan with not only the result of this Study but also social and regional concerns..

The Philippine side (DPWH) answered that the application will be carried out after feasibility study or detailed design, which will be conducted after this Study.

JBIC understood.

3. Comments on the Selection of Model River Basins

1) Determination of Model River Basin

The Philippine side (FCSEC) questioned if the model river basins as listed are final.

The Study Team answered that the model river basins were determined on TWG held on July 10, 2007, and confirmed in this steering committee.

The Philippine side understood.

2) Purpose of Study on Model River Basin

The Philippine side (FCSEC) questioned if the Study on the model river basins includes an integrated flood management.

The Study Team answered that the Study is at preliminary level due to a limitation of the Study period, and will cover general items to be considered in the formulation of flood

mitigation plan.

The Philippine side understood.

ATTACHMENT

**THE STUDY ON THE NATIONWIDE FLOOD RISK ASSESSMENT AND
THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS IN THE PHILIPPINES**

**The Fourth Steering Committee Meeting
OPERATION'S Room, 2ND FLOOR, DPWH Central office, Manila
July 11th, 2007 (1:30 PM-4:30 PM)**

ATTENDANCE LIST

Philippine Side

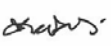
NAME	POSITION	OFFICE
Resito V. David	Project Director	PMO-FCSEC
Rebecca T. Garsuta	Engineer V	DPWH, DPD, Planning Service
Orlando M. Casio	Engineer III	DPWH, DPD, Planning Service
Aquilina T. Decilos	Engineer III	DPWH, DPD, Planning Service
Estelita M. Leonado	Economist II	DPWH, DPD, Planning Service
Gloria L. Atillano	Staff	DPWH, DPD, Planning Service
Dolores M. Hipolito	Project Manager II	PMO-FCSEC
Grecile Christopher Damo	Engineer III	PMO-FCSEC
Leonila R. Mercado	Engineer IV	PMO-MFCP I
Leonardo P. Sanchez	Engineer II	PMO-MFCP I
Alejandro A. Sosa	Project Manager II	PMO-MFCP II
Julius D. Borja	Project Manager	PMO MFCP II
Ramon Martin J. Lasay	Director II	DENR
Hegino C. Mangesing, Jr.	Engineer IV	NWRB
Prisco Nilo	Deputy Director	DOST-PAGASA
Crispina B. Abat	Chief, Planning	OCD

Japanese Side

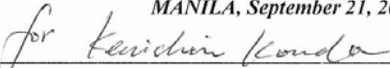
NAME	POSITION	OFFICE
Takeshi Kanome	Assistant Resident Representative	JICA
Mae Leyson	Program Assistant	JICA
Minoru Kamoto	JICA Expert	DPWH, DPD, Planning Service
Yoshio Tokunaga	Chief Advisor	PMO-FCSEC
Takeo Mitsunaga	JICA Sabo Expert	PMO-FCSEC
Kumiko Uchida	Representative	JBIC
Catherine G. Vidar	Project Officer	JBIC
Yoshiharu Matsumoto	JICA Study Team	PMO-FCSEC
Kenichiro Kondo	JICA Study Team	PMO-FCSEC
Hideki Konno	JICA Study Team	PMO-FCSEC
Sah B. P.	JICA Study Team	PMO-FCSEC
Satoshi Takata	JICA Study Team	PMO-FCSEC
Naomi Kato	JICA Study Team	PMO-FCSEC
Nobuyuki Sato	JICA Study Team	PMO-FCSEC

**MINUTES OF MEETING
ON
THE FIFTH STEERING COMMITTEE MEETING
OF
THE STUDY
ON
THE NATIONWIDE FLOOD RISK ASSESSMENT
AND THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS
IN
THE REPUBLIC OF THE PHILIPPINES**

MANILA, September 21, 2007

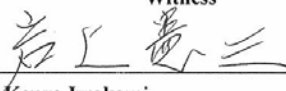


Mr. Resito V. David
Project Director of PMO-FCSEC,
Steering Committee
Department of Public Works and
Highways



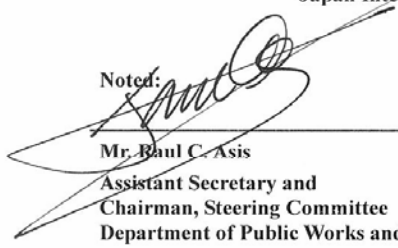
Mr. Yoshiharu Matsumoto
Team Leader
JICA Study Team

Witness



Mr. Kenzo Iwakami
Deputy Resident Representative
Japan International Cooperation Agency

Noted:



Mr. Raul C. Asis
Assistant Secretary and
Chairman, Steering Committee
Department of Public Works and Highways

I. General

The meeting for the presentation on the Interim Report for the Study on the Nationwide Flood Risk Assessment and the Flood Mitigation Plan for the Selected Areas in the Republic of the Philippines (hereinafter referred to as "the Study") was held on September 11, 2007 at the Training Room, 5th Floor of DPWH Central Office, Manila.

The list of attendance is shown in the Attachment.

II. Discussions

First, Mr. Resito V. David, Project Director of PMO-FCSEC, on behalf of Assistant Secretary Mr. Raul C. Asis, the Chairman of the Steering Committee, called the Steering Committee Meeting to order and discussed with the participants on the Minutes of Meeting of the previous Steering Committee Meeting held last July 11, 2007.

Mr. Kenzo Iwakami, Deputy Resident Representative of JICA, briefly mentioned the progress and schedule of the project, and reminded flood risk areas, such as Bicol, Quezon and Leyte. He stressed the importance of sustainable regional development.

Then, Mr. Yoshiharu Matsumoto, the Team Leader of the Study Team, proceeded to explain the contents of the Interim Report including all the accomplishment, up to August, 2007. The contents were accepted in principle by the Philippine side.

In the meeting, the following confirmation and comments on the Study were made:

1. Approval of the Minutes of Meeting of 4th Steering Committee Meeting

The Minutes of Meeting of 4th Steering Committee Meeting were accepted by the Philippine side and the Japanese side.

2. Contents of Discussion during 6th TWG Meeting

The Philippine side (DPWH) briefly reported the contents of discussion during 6th TWG Meeting. There were two major discussion points. One is to change the implementation period to "2009 to 2034". Another is to include the implementation schedule in the case of growth rate at 11% as supplementary. The Philippine side (DPWH) also reported that these are basically agreed by the Japanese side.

The Philippine side (DPWH) appreciated that the contents of discussion during 6th TWG Meeting has been taken into account in the today's presentation by the Study Team.

3. Selected 56 River Basins and Implementation Schedule

1) Severe Sediment-Related Disaster

The JICA Sabo expert explained about exceptional basins with severe sediment-related disaster. He stressed that the methodology used in the study for evaluation of cost-benefit index has limitation for applying to the river basins which have severe sediment-related disaster such as Yawa river basin. If we have to consider the necessity of sediment control facilities, the project cost will be bigger. Although the limited time frame of the Study would not allow conducting deeper assessment, such limitation should be mentioned in the report at least, and it should be recommended to conduct further study in the next stage such as F/S and D/D. And depending on the further study, the implementation schedule should be updated at any time.

The Study Team agreed.

2) Exceptional River Basins

The Philippine side (DPWH) suggested to include exceptional basins, which are not listed in the 56 river basins in the implementation schedule.

The Study Team agreed.

3) On-going Projects

The Philippine side (DPWH) suggested adding the information on actual progress of on-going flood control projects in the report.

The Study Team agreed.

The Philippine side (DPWH) promised to provide the above information to the Study Team.

4) Stakeholder's Opinion

The JICA expert suggested gathering of stakeholder's opinion on the selected 56 river basins and implementation schedule, especially from view point of socio-environmental acceptance of the projects.

The Study Team answered that it is basically out of scope of the Study. However, the Study Team would like to utilize the opportunity of technical transfer seminar and stakeholder meeting to hear opinion of the participants.

The JICA expert understood.

4. Sector Program Loan (SPL)

The JICA Chief Advisor (FCSEC) made the recommendation paper on SPL for this meeting and JICA Sabo Expert explained it.

The Philippine side (DPWH) commented that DPWH welcomed the idea of SPL and discussion on how to apply SPL have started. The Philippine side (DPWH) also commented that the SPL has already been applied to road sector which can be a good example or model for flood control sector to be proposed under SPL.

The Study Team commented that at least F/S has to have been completed before applying SPL.

The Philippine side (FCSEC) commented that small scale projects, whose F/S level study can be completed relatively in short time, are good candidate projects for the SPL.

5. Study for Model River Basins

1) Level of the Study

The Philippine side (FCSEC) questioned what the level of the Study for Model River Basins will be.

The Study Team answered that the outcome of the Study will be a pre-master plan level because of limited timeframe and resources. Therefore, after the Study, more comprehensive follow-up study such as F/S will be basically necessary to be conducted before implementation of projects.

The Philippine side (FCSEC) understood.

2) Project Evaluation

The Philippine side (DPWH) questioned if the project evaluation including socio-environmental aspect can be reflected to the ranking for 56 selected river basins.

The Study Team answered that the project evaluation will be done only for 6 Model River Basins. Therefore, the ranking will not be changed.

The Philippine side (DPWH) understood.

6. Other Comments

The Philippine side (DPWH) inquired about near-future condition of JICA and JBIC.

The representative of JICA answered that JICA and JBIC will be merged at October 2008. There will be a transition period. During the transition period, two policies, in which one is from JICA and another is from JBIC, will co-exist. After transition period, one policy will be formulated.

The JICA expert commented that project formulation through originally JICA study and JBIC loan has already been established. How to establish new patterns of project formulation will be

important at this changing situation. The trained engineers and institutes through JICA capacity building programs should be involved more intensively into such newly formulated projects.




4



B.K.

ATTACHMENT

**THE STUDY ON THE NATIONWIDE FLOOD RISK ASSESSMENT AND
THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS IN THE PHILIPPINES**

**The Fifth Steering Committee Meeting
TRAINING Room, 5TH FLOOR, DPWH Central office, Manila
September 11th, 2007 (1:30 PM-4:30 PM)**

ATTENDANCE LIST

Philippine Side


NAME	POSITION	OFFICE
Resito V. David	Project Director	PMO-FCSEC
Rebecca T. Garsuta	Engineer V	DPWH, DPD, Planning Service
Philip Menez	Project Director	PMO-MFCP-II
Julius D. Borja	Project Manager	PMO MFCP-II
Leonila R. Mercado	Engineer IV	PMO-MFCP I
Hegino C. Mangesing, Jr.	Engineer IV	NWRB
Crispina B. Abat	Chief, Planning	OCD
Orlando M. Casio	Engineer III	DPWH, DPD, Planning Service
Aquilina T. Decilos	Engineer III	DPWH, DPD, Planning Service
Estelita M. Leonado	Economist II	DPWH, DPD, Planning Service
Grecile Christopher Damo	Engineer III	PMO-FCSEC
Estelita M. Leonado	Economist II	DPWH, DPD, Planning Service

Japanese Side


NAME	POSITION	OFFICE
Kenzo Iwakami	Deputy Resident Representative	JICA
Takeshi Kanome	Assistant Resident Representative	JICA
Beth Elizabeth Candelario	Program Assistant	JICA
Minoru Kamoto	JICA Expert	DPWH
Takeo Mitsunaga	JICA Sabo Expert	FCSEC
Yoshiharu Matsumoto	JICA Study Team	FCSEC
Kenichiro Kondo	JICA Study Team	FCSEC
Hideki Konno	JICA Study Team	FCSEC
Naomi Kato	JICA Study Team	FCSEC
Tadanori Kitamura	JICA Study Team	FCSEC

**MINUTES OF MEETING
ON
THE SIXTH STEERING COMMITTEE MEETING
OF
THE STUDY
ON
THE NATIONWIDE FLOOD RISK ASSESSMENT
AND THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS
IN
THE REPUBLIC OF THE PHILIPPINES**

MANILA, November 27, 2007




Mr. Philip F. Menez
Project Director, PMO-MFCP-II
Chair of Steering Committee Meeting
Department of Public Works and
Highways



Mr. Yoshiharu Matsumoto
Team Leader
JICA Study Team

Noted:



Mr. Raul C. Asis
Assistant Secretary and
Chairman, Steering Committee
Department of Public Works and Highways

I. General

The meeting for the presentation of progress of the Study including result of analysis and the mitigation plans of 6 selected river basins on the Nationwide Flood Risk Assessment and the Flood Mitigation Plan for the Selected Areas in the Republic of the Philippines (hereinafter referred to as "the Study") was held on November 27th, 2007 at the Multi-purpose Room, 5th Floor of DPWH Central Office, Manila.

The list of attendance is shown in the Attachment.

II. Discussions

First, Mr. Philip F. Menez, the acting Chairman of the Steering Committee, called the Steering Committee Meeting to order and discussed with the participants the Minutes of Meeting of the 5th Steering Committee Meeting, which was held on September 21st, 2007.

Then, Mr. Yoshiharu Matsumoto, the Team Leader of the Study Team, proceeded to explain the formulation of implementation schedule of river basins followed by presentations (1: structural measures of flood mitigation plan of selected 6 river basins by Mr. Kondo, 2: non-structural measures by Mr. Kitamura and 3: Initial Environmental Examination by Ms. Kato). The contents were accepted in principle by the Philippine side.

In the meeting, the following confirmation and comments on the Study were made:

1. Approval of the Minutes of Meeting of 5th Steering Committee Meeting

The Minutes of Meeting of 5th Steering Committee Meeting was accepted by the Philippine side and the Japanese side.

2. Contents of Discussion during 8th TWG Meeting

The Philippine side (DPWH) briefly reported the contents of discussion during 8th TWG Meeting. The main subjects that had been discussed are

1. Recommendations for
 - a. Packaging projects for Flood sector program loan
 - b. Flood control river basin master planning
2. Clarification for Reforestation rate, relocation/resettlement, intangible benefits, Right of Way and return period setting..

3. Comments on the Formulation of Implementation Schedules

1) Package of Project for Application to Flood Sector Program Loan

The Philippine side (DPWH) asked whether flood control projects consisting of structural and non-structural measures are applicable to the Flood Sector Program Loan or not.

JBIC answered that such projects can be applicable in principle, and it is significant that those projects fit to the long-term strategy of Philippine government and also JBIC policy.

In this point of view, the Study result is a blue print which is supplying important materials.

The Philippine side understood.

4. Comments on the Structural Measures of Flood Mitigation Plan

1) Social Acceptability

The Philippine side (NWRB) asked that how "Social Acceptability" was taken into account to the project evaluation in this Study.

The Study Team answered that from initial stage of the Study, meetings with stakeholders had been conducted. Stakeholder's idea is considered in the formulation of the plan.

The Philippine counterpart of this Study added that the study level for model river basins is preliminary level. For the next stage, such F/S stage, more careful social-acceptability study should be performed.

The Philippine side understood.


5. Comments on the Non-Structural Measures of Flood Mitigation Plan

1) Improvement of B/C ratio by Non-structural measures

The Philippine side (OCD) asked the possibility of introducing the benefit by non-structural measure, especially by "Early Warning System" for 6 selected river basins.

The Study Team answered that the introduction of the benefit by non-structural measure is basically considered, although only reduction of tangible damage such as for movable asset in urban area can be counted as a quantitative benefit by flood warning system.

But reduction of intangible damage such as casualty, injury is not included due to difficulty.



2) Coordination with other projects

The Philippine side (OCD) commented that the recommendation provided by the Study is useful for disaster management for the model river basins. OCD would like to request the regional directors to put more emphasis on the disaster management in the model river basins and selected priority basins in the Study.

Both Study Team and the Philippine side appreciated the comment.

6. Comments on the Project Approach

1) Coordination with other projects

The Philippine side (NWRB) questioned how the results of the Study are referred to other studies especially Pampanga's water resources management study which is expected to be conducted soon.

The Study Team replied that the objective of the Study is to put priority on the flood control projects, so the outputs of the Study should be referred for flood control aspects.

The Philippine side understood.

7. Other Matters

1) Flood Mitigation Plans/Reports for 6 Model River Basins

The Philippine side (DPWH) requested the study team to produce individual reports for the 6 model river basins' flood mitigation plan for easy distribution to concerned offices and LGUs.

The Study Team and JICA representative both stressed that the required full final reports including the model basin flood mitigation plans will be submitted at the completion of the Study, but the budget can no longer allow for the compilation and printing of said individual model basin plans.



ATTACHMENT

**THE STUDY ON THE NATIONWIDE FLOOD RISK ASSESSMENT AND
THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS IN THE PHILIPPINES**

**The Eighth Technical Working Group Meeting
Multi-Purpose Room, 5TH FLOOR, DPWH Central Office, Manila
November 27th, 2007 (13:30 PM-4:30 PM)**

ATTENDANCE LIST

Philippine Side

NAME	POSITION	OFFICE
Philip F. Menez	Project Director	PMO-MFCP-II
Rebecca T. Garsuta	Engineer V	DPWH, DPD, Planning Service
Dolores M. Hipolito	Project Manager II	DPWH, FCSEC
Crispina B. Abat	Chief, Planning	OCD
Julius B. Borja	Project Manager	DPWH, PMO-MFCP-II
Eugenio Diaz , Jr.	Engineer II	DENR - RBCO
Emmie Ruales	Engineer V	NWRB
Leonila R. Mercado	Engineer IV	DPWH, PMO-MFCP-I
Isidra D. Penaranda	OIC-PPD	NWRB
Prisco D. Nilo	OIC-Administrator	PAGASA
Jesse.C. Felizardo	Engineer IV	PMO-FCSEC

Japanese Side

NAME	POSITION	OFFICE
Takeshi Kanome	Assistant Resident Representative	JICA
Beth Elizabeth Candelario	Program Assistant	JICA
Kumiko Uchida	Rep. of JBIC	JBIC
Minoru Kamoto	JICA River Management Adviser	DPWH
Takeo Mitsunaga	JICA Sabo Expert	PMO-FCSEC
Yoshiharu Matsumoto	Team Leader: JICA Study Team	PMO-FCSEC
Kenichiro Kondo	Co-Team Leader: JICA Study Team	PMO-FCSEC
Hideki Konno	JICA Study Team	PMO-FCSEC
Tadanori Kitamura	JICA Study Team	PMO-FCSEC
Satoshi Takata	JICA Study Team	PMO-FCSEC
Naomi Kato	JICA Study Team	PMO-FCSEC
Sah B.P	JICA Study Team	MO-FCSEC
Daisaku Kiyota	JICA Study Team	PMO-FCSEC

**MINUTES OF MEETING
ON
THE SEVENTH (FINAL) STEERING COMMITTEE MEETING
OF
THE STUDY
ON
THE NATIONWIDE FLOOD RISK ASSESSMENT
AND THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS
IN
THE REPUBLIC OF THE PHILIPPINES**

MANILA, February 18, 2008



Mr. Resito V. David
Project Director of PMO-FCSEC,
Steering Committee
Department of Public Works and
Highways



Mr. Yoshiharu Matsumoto
Team Leader
JICA Study Team

Noted: 

Mr. Raul C. Asis
Assistant Secretary and
Chairman, Steering Committee
Department of Public Works and Highways

I. General

The meeting for the presentation on the Draft Final Report for the Study on the Nationwide Flood Risk Assessment and the Flood Mitigation Plan for the Selected Areas in the Republic of the Philippines (hereinafter referred to as "the Study") was held on February 18, 2008 at the Multi-purpose Room, 5th Floor of DPWH Central Office, Manila.

The list of attendance is shown in the Attachment.

II. Discussions

First, Mr. Resito V. David, Project Director of PMO-FCSEC, on behalf of Assistant Secretary Mr. Raul C. Asis, the Chairman of the Steering Committee, called the Steering Committee Meeting to order and discussed with the participants on the Minutes of Meeting of the previous Steering Committee Meeting held on November 27, 2007.

Mr. Takeshi Kanome, Representative of JICA, briefly reviewed the schedule of the study and appreciated all the effort from both the Study Team and the counterpart team.

Then, Mr. Yoshiharu Matsumoto, the Team Leader of the Study Team, informed that 30 hard copies of Draft Final Report (Main Report and Summary) had been submitted to DPWH, then proceeded to explain the contents of the Draft Final Report including all the accomplishments. The contents were accepted in principle by the Philippine side.

It is confirmed that written comments on the draft final report from the member of SC should be submitted to DPD-PS by 26 February, 2008. It was also confirmed that the comment which would be summarized by DPWH should be submitted to JICA by March 11, 2008.

In the meeting, the following confirmation and comments on the Study were made:

1. Approval of the Minutes of Meeting of 6th Steering Committee Meeting

The Minutes of Meeting of 6th Steering Committee Meeting were accepted by the Philippine side and the Japanese side.

2. Contents of Discussion during 9th TWG Meeting

The Philippine side (Co-Chairwoman of the TWG) briefly reported the contents of discussion during 9th TWG Meeting. Main discussions during 9th TWG Meeting were maintenance and updating of the database developed in the Study and implementation scheme after the Study.

X



3. Institutional Matter

The Philippine side (Co-Chairman of the SC) asked if recommended institutional arrangement, especially for classification of river basins from view point of administration including implementation of flood mitigation projects, is included in the Final Report or not. He also asked the possibility of dispatch of short-term expert who has expertise on institutional matters.

The Study Team answered that the institutional arrangement should be studied carefully with more broad points of view. Therefore, it is not appropriate to add output which shows some ideas at this moment. Instead of the output, the importance of such institutional arrangement will be stated in the recommendation in the Final Report.

The Philippine side agreed.

The JICA representative added that it is necessary to officially request a short-term institutional arrangement expert for technical assistance when DPWH needs him/her. At this moment, JICA can not commit about the dispatch of the short-term expert.

Both the Philippine side and the Japanese side understood.

4. Role of DPWH on Implementing Flood Mitigation Projects

The JBIC representative emphasized that DPWH should coordinate with related agencies in the implementation of flood mitigation projects.

The Philippine side understood.

5. Other Comments

1) Consideration of Sediment Balance and Its Effect

The Philippine side (PHIVOLCS) pointed out that the change of sediment yield by sabo works may affect the coastal sediment environment. It should be carefully studied when sabo works will be applied in the future study for the next step.

The Study Team agreed.

2) Flood Warning System

The Philippine side (PHIVOLCS) suggested that main responsible agencies for flood warning system should be PAGASA and OCD.

Both the Philippine side and the Japanese side understood.

3) Safety Level

The Philippine side (PAGASA) asked why the safety level of 20 years return period is decided. The Philippine side (PAGASA and PHIVOLCS) also pointed out that



importance of enhancement of local people's awareness on the fact that the safety level is 20 years return period.

The Study Team answered that it was decided at the beginning of the Study considering expected available budget for flood mitigation. The Study Team also added that in the study for the selected model river basins, the safety level set at the previous study was respected if it existed.

The Philippine side understood.

The Study Team added that in the study for model river basins, importance for preparing against excess flood, including flood warning system and flood hazard map, has been emphasized. Non-structural measures should be applied against the excess flood.

The JICA Expert added that one of ideas for the safety level against flood hazard in Japan is based on human life span.



ATTACHMENT

**THE STUDY ON THE NATIONWIDE FLOOD RISK ASSESSMENT AND
THE FLOOD MITIGATION PLAN FOR THE SELECTED AREAS IN THE PHILIPPINES**

**The Ninth Technical Working Group Meeting
Multi-Purpose Room, 5TH FLOOR, DPWH Central Office, Manila
February 18th, 2008 (1:30 PM-4:30 PM)**

ATTENDANCE LIST

Philippine Side

NAME	POSITION	OFFICE
Resito V. David	Project Director	PMO-FCSEC
Patrick B. Gatan	Project Director	PMO-MFCP-I
Philip Menez	Project Director	PMO-MFCP-II
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Japanese Side

NAME	POSITION	OFFICE
Takeshi Kanome	Representative	JICA
Kumiko Uchida	Representative	JBIC
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Yoshio Tokunaga	JICA Chief Advisor	FECEC
Takeo Mitsunaga	JICA Expert	FCSEC
Yoshiharu Matsumoto	JICA Study Team	FCSEC
Kenichiro Kondo	JICA Study Team	FCSEC
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Tadanori Kitamura	JICA Study Team	FCSEC