

## 添付資料 5

第3回ステアリングコミッティ、テクニカルワーキンググループ

合同会議議事録

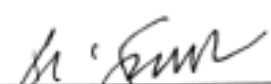


**MINUTES OF JOINT STEERING COMMITTEE AND  
TECHNICAL WORKING GROUP MEETING  
ON  
INTERIM REPORT  
FOR  
THE STUDY  
ON  
INTEGRATED WATER RESOURCES MANAGEMENT  
FOR POVERTY ALLEVIATION AND  
ECONOMIC DEVELOPMENT  
IN THE PAMPANGA RIVER BASIN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
NATIONAL WATER RESOURCES BOARD  
AND  
STUDY TEAM OF  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**February 17 in Quezon City**

  
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**MAKIHICO OTAGAWA**  
Study Team Leader  
Japan International Cooperation Agency

  
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**NATHANIEL SANTOS**  
Deputy Executive Director  
National Water Resources Board  
(Chairman of Steering Committee)

1. The meeting was called to order at approximately 9:00 am with NWRB Officer-in-Charge Atty. Nathaniel C. Santos presiding. The meeting was held to present the contents of the Interim Report and the web page being prepared for the Study to the Steering Committee (SC) and Technical Working Group (TWG) members. The list of attendees is shown in Annex.
2. Atty. Nathaniel C. Santos, in his opening remarks, expressed gratitude to JICA and the JICA Study Team for the conduct of the Study amid the El Niño being experienced by the country at present, especially in the study area of Pampanga River Basin. The expected extended dry spell that will result to a very abnormal inflow of water in Angat Dam will affect Metro Manila, Pampanga and Bulacan. He noted that during the previous meeting, the country was experiencing excess water with the onset of typhoon Ondoy and presently the situation with the El Niño is the lack of water. This is a problem that can be addressed by proper water resources management. Therefore the NWRB, the national government as well as the stakeholders who are affected with the situation is looking forward to the recommendations of the Study.
3. Mr. Masashi Nagaishi, Deputy Resident Representative of JICA Philippines Office, gave a short message expressing his appreciation for the assistance extended by the members of the Steering Committee and Technical Working Group to the Study Team in the completion of the Phase I of the Study. Phase II will be for the formulation of the IWRM Plan, of which an Investment Plan will be prepared for the projects that will be selected from among the many alternative projects that will be evaluated and where recommendations for an institutional arrangement will be presented. The NWRB as the government agency in charge of the allocation of water rights and water resources management may need further capacity building in its new role as may be identified in the Study. There may be a need to establish a river basin organization for the Pampanga River Basin to take charge of the equitable and sustainable development of the ecosystem and operation and maintenance of river facilities.

The Study is very important to Pampanga River Basin as the IWRM Plan will greatly affect its socio-economic development and environmental sustainability. The endeavor supports the task and vision in the Medium Term Philippine Development Plan towards poverty alleviation in the countryside. The Study could be seen as comprehensive in its approach as it gathers inputs from policies and guidelines from national government agencies such as NEDA, DENR, DPWH, NIA and DOH as well as Provincial Development Plans of concerned LGUs. It is participatory in its approach as consultation is done on a monthly basis to update all concerned of issues and plans of action. On behalf of JICA, he expressed his full support to the Study and hoped that the best projects will be identified that will mainly achieve goals and objectives.



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4. The contents of the Interim Report were briefly explained by Mr. Makihiko Otogawa, Team Leader for the Study. The issues, concerns, observations and recommendations raised on the presentation are as follows:

- The Chairman raised the following:
  - He inquired whether there are any other water allocation problems in other parts of the study area apart from the allocation issue in Angat Dam. Mr. Otogawa informed that the TASMORIS irrigation area in Tarlac is also suffering from some water shortage although not as serious as that in AMRIS area. For municipal water supply the issues are saline intrusion and land subsidence so alternative water sources for municipal water is being considered by the Study Team. Mr. Kitamura added that irrigation water is also lacking in Gumain area and the construction of a reservoir may improve the situation but the irrigation area is too big. For municipal water, the main problem is water quality especially in the areas of Bulacan and Pampanga. On the other hand, the source of water for the Bulacan Bulk Water Supply Project is also a problem since it is mainly from Angat Dam. Likewise, the source of surface water for Pampanga is a problem as groundwater is inadequate;
  - He inquired whether the issue on the overlapping powers of different agencies/entities such as NWRB, local governments, PAMB, water districts and indigenous groups to regulate the use of water resources in a particular area has been taken up by the Study Team since this has an impact on how water should be managed. If not, he asked if a recommendation can be expected. Mr. Otogawa responded that the Study only identified the water resource regulators and the water users. The Study Team would try to come up with a recommendation on this matter; and
  - He raised concern on the slide depicting the excess of water use right over dam supply capacity case of Angat Dam as it appeared that the NWRB had allowed/granted water rights more than the capacity of the dam. Mr. Otogawa explained that the matter has been discussed and clarified by Mr. Kitamura several times with the NWRB staff but still some of the aspects are not so clear. In this regard, he requested for the Study Team to have a meeting with him to discuss the water allocation in Angat Dam in more detail.
- Mr. Llorente of SCADC requested clarification on the issue of the deterioration of surface water quality in Abacan River and Sapang Balen River in and around Angeles City and the extent of its impact to Angeles City or the study area. Mr. Otogawa explained that the issue was raised by the stakeholders during the consultation meeting but it is not a major problem to the Pampanga River Basin as a whole. However, as it is a problem to the people who live around Angeles City, it is being considered also in the Study. Mr. Kitamura noted that there is actually no monitoring data available to substantiate the deterioration issue raised by the

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stakeholders, nevertheless, the pollution load analysis conducted by the Study Team in the report may be of reference on the matter.

- Mr. Pascual of NIA-UPRIIS inquired in the light of the occurrence of El Niño as to whether the Study Team has a recommendation on the mitigation of El Niño, especially in Angat and Magat Dams which are already operating below the rule curve. Mr. Otagawa replied that climate change related to drought is rather difficult compared to climate change related to flood so there are no definite conclusions yet as it is still under study. He requested for additional time to consider the issue.
- Ms. Mendoza of PAWB requested clarification on the classified forestlands mentioned in the presentation. She commented that if this refers to the land classification, the national park or protected area is another classification and should not be part of classified forestlands. It has a separate classification based on the Constitution so it has to be clear.
- Mr. Javier of FMB raised the following:
  - He noted that the Study team has identified only two broad classification of lands compared to the four categories under the Constitution. While protected areas have a separate classification under the Constitution, it may encroach on forestlands. He shared that there is an on-going activity by the DENR on the final forest line delineation that will set the boundaries between forestlands and alienable and disposable lands. He suggested including this in the Study to complete the forestland delineation to be able to determine which protected areas are encroaching within forestlands. Data are available at DENR Reg. 3 and FMB;
  - On the matter of RBO, he suggested to be very concrete on the powers that will be vested to the river basin authority, as to whether it will be clothed with police power or just a coordinating body. A review can be made on the LLDA case wherein its authority includes police power and the former RBO for Agno River Basin. The lessons learned can be incorporated in the interventions later; and
  - He requested to study further the issue on the duplication of functions by DENR and LGUs cited in the presentation through the review of the provisions of the Local Government Code and the succeeding issuances of DENR, taking into consideration areas of complementation, co-management and actual devolution since what has been assessed as duplication of function may actually be a function devolved to the LGUs. In certain areas where the LGUs cannot do the function by itself, there is such as thing as co-management and the direction of the DENR Central Officer is to decentralize and devolve more functions to the LGUs but with enough safeguards.

- Mr. David of DPWH-PMO-FCSEC commented that the prioritization of the sector projects will lead to the core problem in the river basin. Hence he was interested to know the initial results. Mr. Otagawa informed that prioritization has not been done yet. It will be undertaken in June, after the election period.
- Ms. Mercado of NEDA Reg. III made a clarification regarding its position where the creation of RBO in the region is not being envisaged. He explained that the issue is not the turf but the possible overlapping of functions of the RBO and the existing RDC and the operational needs in the implementation of the river basin projects. He informed that the Congress in the recent past is against the creation of a new development authority particularly if such creation will require legislated budget. If the existing organization will be utilized, problems concerning budget for the sustainability of its operation can be avoided. Hence the proposal is to make the RDC or a committee under the RDC as the RBO because the RDC is the best organization to address inter-provincial concerns. While a local RBO may also be created, on top of this organization will still be the committee under the RDC. He offered the services of their office to work with the Team to discuss the matter. There are already initial thoughts on the composition of the committee under the RDC that will focus its attention on IWRM projects.

In addition, he proposed for the undertaking in the future of a study similar to the Study on IWRM for Pampanga River Basin for the Agno River Basin to cover the river basins in the region in order for the work of coordinating various projects and interventions in the river basin will be easily done by the committee that will be created under the RDC.

Atty. Santos commented that if the direction is for the RBO to tap the existing organization of the RDC, it is very important that there is an expression of interest from the existing RDC.

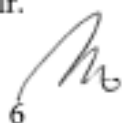
- Mr. Nagaishi of JICA raised the following:
  - He requested clarification on the demarcation between group A and group B projects mentioned in the alternative IWRM scenarios of the presentation. Mr. Otagawa explained that Group A projects are the projects that are necessary to be undertaken continuously irregardless of the result of prioritization for implementation, such as the projects for human needs, rehabilitation and maintenance and preservation of ecosystems. On the other hand, Group B projects refer to pipeline projects where there is an option to undertake it or not; and
  - He inquired for the reason in the increase of volume of inflow for 2001 for the Angat Dam as shown in the graphical presentation to which Mr. Otagawa responded that it is due to the construction of the Umiray River Transbasin for the supplemental water supply in Angat Dam.

- Mr. Kamoto of JICA-DPWH raised the following:
  - He raised the idea of having a seasonal water right similar to that in Japan in response to the issue on the changing water use right allocated for Angat Dam. Mr. Otagawa is amenable to the idea although it is technically very difficult to apply to the whole country. The Study Team will consult with the NWRB staff on how to better address the problem;
  - He commented that the resource to fund the RBO/RDC is a major consideration for sustainability; and
  - He suggested for the planning period to be 6-12 years instead of 15 years as he observed that in the Philippines the long-term and medium term plan is usually 6 years.
  
- Mr. Tuddao of RBCO raised the following:
  - He requested validation of his understanding that the issues/problems on water quality management as presented were raised during the stakeholders' consultations. In connection with this, Mr. Otagawa affirmed that these issues were gathered during the consultations and that the Study Team had validated these issues;
  - He shared that the RBCO is now working with UNDP-Partnership for Environmental Management for the Seas of East Asia (UNDP-PEMSEA) and it has considered the Pampanga River Basin as part of a bigger catchment basin that affects Manila Bay. It came out with an assessment that the major problems affecting Manila Bay are water quality, governance and the need for the restoration of the ecosystem.

As to water quality, the report showed that the river basins of Laguna, Pasig and Pampanga are providing a lot of pollution loading so he suggested for the Study Team to look into this as it relates to the outputs of the Study.

With respect to governance, he shared that at present the existing RBO governing the river management for the Manila Bay catchment basin is an existing council or committee being chaired by the DENR Secretary with members from the Secretaries of the various national government agencies, private sector, academe and stakeholders.

- He raised concern on how climate change adaptation and mitigation can be incorporated in the process for the identification of major issues as well as in the intervention and proposed projects under the Study; and
- He raised concern on whether there was an initial information to the RDC regarding the Study prior to or during its implementation. Mr.





Mercado of NEDA Region III responded that the concept of the river basin emanated from the Water Summit initiated by RDC in 2005, the concept being one of the outputs that was approved and endorsed by the RDC. Mr. Tuddao said that he will keep track of this model for Pampanga River Basin as this is a different case from other river basins that constitute two RDCs. The Study may be referred to other river basins in the country.

- Ms. Dacanay of JICA commented that since the RDC is the one that reviews and approves plans and projects and an Investment Plan will be formulated for the Study, having the committee that may be created to be under the RDC is an important consideration. She inquired as to who will chair the committee. Mr. Mercado of NEDA said that the governor is being considered to chair the committee under the umbrella of the RDC.
5. The web page that is being developed in consultation with NWRB for the Study was presented by Engr. Funa, the GIS Expert of the Study Team. He explained briefly the key features of the website. The purpose of the web page is to facilitate information sharing and coordination among the individuals and agencies involved in the Study. It will be administered by NWRB, whose server will be used as host with a link displayed on the NWRB's website to access the web page. Possible users of the web page are a) NWRB as the administrator; b) SC, TWG members and JICA Study Team; c) stakeholders and other agencies or individuals who are involved in the Study but are not members of the SC, TWG or JICA Study Team; and d) public.
  6. The issues, concerns, observations and recommendations raised on the presentation are as follows:
    - The Chairman inquired on the expected date when the website will be running. Mr. Funa explained that at present the google map feature is still under development because it is dependent on the server which is still under coordination with NWRB. As soon as the google map features has been tested, the website can run already.
    - As an alternative to sending messages via email, Mr. Llorente inquired on the possibility for the site visitors to post their comments similar to the "shoutout" feature of the Facebook. This would mean that the messages will be made visible to anyone browsing the site. Mr. Funa answered that this is a matter still to be explored.
    - Mr. Kamoto raised concern on who will be in-charge to take over once the Study is finished. He also suggested to link the web page with the JICA archives so there can be access to the previous and current JICA studies.
    - Mr. Felizardo of DPWH-FCSEC raised the possibility of overlaying thematic maps, simulation of models and proposed structures in the google map. According to Engr. Funa this is actually the goal but from the documentations of google, it seems that google itself is having problems



with overlaying of multiple layers. It can handle only stand alone programs but it will be verified once the server is ready.

- Mr. Hernando of PRFFWC, PAGASA noted that only one account will be made for each agency. He inquired on the possibility of having more than one account per agency citing the case of their office which is a different office although under PAGASA Central office. It has updated daily information that can be available for public viewing. Mr. Funa will consider the suggestion but will study the effect of having multiple users per agency.
7. The SC/TWG members are given a month for the submission of any other comments before the Study Team finalizes the Interim Report.
  8. With no other matters to discuss, the meeting was adjourned by Atty. Santos at about 11:30 am

**The Study on Integrated Water Resources Management for Poverty Alleviation  
and Economic Development in the Pampanga River Basin**  
**Third Joint Steering Committee and Technical Working Group Meeting**  
*Sulo Hotel, Quezon City*  
*February 3, 2010*

**Attendance Sheet**

NAME	POSITION	OFFICE
1. Nathaniel C. Santos	Officer-in-Charge	NWRB
2. Vicente Tuddao	Executive Director	RBCO
3. Remigio Mercado	Regional Director	NEDA Reg. III
4. Resito David	Project Director	PMO-FCSEC, DPWH
5. Jesse C. Felizardo	Engineer IV	PMO-FCSEC, DPWH
6. Agustin C. Mendoza	OIC-Chief/Supervising Econ. Development Specialist	NEDA Reg. III
7. John T. Zapata	Economic Development Specialist II	NEDA Reg. III
8. Rosendo D. Panganiban	Senior Engineer A	NIA Reg. III
9. Irineo G. Pascual	Principal Engineer	NIA-UPRIIS
10. Julita V. Santiago	Supervising Engineer A	NIA-UPRIIS
11. Lorna Balmeo	Project Evaluation Officer IV	PPDO – N.E.
12. Jaycel Villegas	PO II	PPDO – N.E.
13. Arlette C. Guzman	Engineer II	DPWH Region III
14. Marlynn M. Mendoza	Chief EMS	PAWB
15. Lovercain de Jesus	SWUMO	Tarlac City WD
16. Dax Llorente	TA	SCADC
17. Rosalia G. Adonis	OIC, ENRO	Provincial Govt. of Pampanga
18. Jesus A. Javier		FMB
19. Cesar P. Odi	Forester I/Technical Staff	RBCO, DENR
20. Hilton Hernando	Senior Weather Specialist	PRFFWC, PAGASA
21. Edgar Basilio	Sr. Economic Development Specialist	NEDA Central Office
22. Natalie Victorino		DOF
23. Arthur R. dela Cruz	Principal Engineer	NIA
24. Ma. Theresa L. Lalu	OIC, FRD	DENR Region III
25. Erlinda Pajarillaga	SFMS	DENR Region III
26. Richard Evangelista	Planning Officer II	PPDO Tarlac
27. Rey Tabelina	Planning Officer I	PPDO Tarlac
28. Evangeline Dacanay	PMO - A	MWSS
29. Masashi Nagaishi	Deputy Resident Representative	JICA Philippines Office
30. Naoto Kuwae	Assistant Resident Representative	JICA Philippines Office
31. Minoru Kamoto	JICA River Management Advisor	JICA DPWH
32. Minnie Dacanay	In-house consultant	JICA Philippines Office
33. Makihiko Otogawa	Team Leader/IWRM	JICA Study Team
34. Tadanori Kitamura	Deputy Team Leader/ Water Resources Development and Management Planning	JICA Study Team

<b>NAME</b>	<b>POSITION</b>	<b>OFFICE</b>
35. Yukihiro Mizutani	Organization Institution Expert	JICA Study Team
36. Emadelyn M. Quiñones	Water Environment/Watershed Management Expert	JICA Study Team
37. Francis Joseph M. Funa	GIS Engineer	JICA Study Team
38. Eleazar Rupido	Secretary	JICA Study Team
39. Gladys Ida S. Alburo	Encoder	JICA Study Team
40. Susan P. Abaño	Engineer IV	NWRB
41. Felisa M. Manlulu	Information Officer IV	NWRB
42. Emmie L. Ruales	Engineer IV	NWRB
43. Francis B. Hilarie	Economist III	NWRB
44. Florimel R. Balbedina	Economist III	NWRB
45. Josephine R. Billones	Engineer II	NWRB
46. Josephine Abellana	Administrative Assistant I	NWRB

## 添付資料 6

第4回ステアリングコミッティ、テクニカルワーキンググループ

合同会議議事録




**MINUTES OF JOINT STEERING COMMITTEE AND  
TECHNICAL WORKING GROUP MEETING  
ON  
PROGRESS REPORT 2  
FOR  
THE STUDY  
ON  
INTEGRATED WATER RESOURCES MANAGEMENT  
FOR POVERTY ALLEVIATION AND  
ECONOMIC DEVELOPMENT  
IN THE PAMPANGA RIVER BASIN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
NATIONAL WATER RESOURCES BOARD  
AND  
STUDY TEAM OF  
JAPAN INTERNATIONAL COOPERATION AGENCY**

August 12, 2010 in Quezon City

  
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**MAKIKO OTOGAWA**  
Study Team Leader  
Japan International Cooperation Agency

  
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**VICENTE S. PARAGAS, CESO III**  
Executive Director  
National Water Resources Board  
(Chairman of Steering Committee)

**The Study on Integrated Water Resources Management for Poverty Alleviation  
and Economic Development in the Pampanga River Basin**  
**4<sup>th</sup> Joint Steering Committee and Technical Working Group Meeting**  
*Sulo Hotel, Quezon City*  
*August 12, 2010*

**Highlights:**

1. The meeting was called to order at approximately 9:25 am. It was chaired by NWRB Executive Director Vicente S. Paragas and vice-chaired by Deputy Executive Director Nathaniel C. Santos. The meeting was held to present to the Steering Committee (SC) and Technical Working Group (TWG) members the contents of Progress Report No. 2 and the web page prepared for the Study. The list of attendees is shown in Annex.
2. In his opening remarks, Exec. Dir. Paragas expressed gratitude to the Japanese Government through JICA for funding the project for the localization of IWRM. IWRM is a long overdue approach that would address the many issues relative to water and watershed. This would not be easy for it takes the support of both the national and local governments so he expressed hope that with the Study, there will be a strong partnership among the local government, national government and other stakeholders. He appealed for the cooperation and support for the Study Team as the Study on IWRM for the Pampanga River Basin will be a model for IWRM in other river basins as well. He requested for more inputs in the discussion to strengthen the results of the Study and to look beyond the Study. He hopes that the undertaking will not only be a Study but for the Philippine Government to support the implementation of the projects that would be identified in the Study.
3. The contents of the Progress Report – 2, which was distributed weeks before the meeting were explained briefly by Mr. Makihiko Otogawa, Team Leader for the Study. He gave a short overview on the Study area, objectives of the Study and Study schedule. The Study Team is currently working on the inter-sector evaluation/prioritizing of the projects identified towards the formulation of the IWRM Plan and the Institutional Set-up Plan. The next report to be made is the Draft Final Report for submission towards the end of the year.

He explained that in the Progress Report – 2, the numerous issues existing in Pampanga River Basin relative to irrigation, municipal water supply, sewerage and sanitation, flood and sediment disaster management, watershed management and water-related environment management were further clarified and countermeasures were proposed. A total of 82 projects have been identified for the IWRM Plan of which 34 are on-going, 21 proposed by related-agencies and 27 conceptual projects proposed by the Study Team to complement the ideal IWRM Plan. Some of these projects were also considered for the studies on alternative plans for IWRM to address the water shortage from Angat Dam and flood damage along Pampanga River. Inter-sector evaluation is being undertaken on the projects as some have expanded to several different sectors using a scoring system based



on 25 environmental points or criteria. The results will be the basis for prioritizing the implementation of the projects in the short term (2011-2015), mid-term (2016-2020) and long term (2021-2025). He informed that the result of the evaluation will be presented during the next TWG meeting and upcoming stakeholders' consultation meeting to solicit comments.

Relative to the institutional set-up plan for IWRM, the most promising institutional structure is the recommendation of NEDA Region III for a River Basin Committee to be established under the Regional Development Council III. He would like to solicit comments on this.

4. Engr. Funa, the GIS Expert of the Study Team presented the website developed for the Study. He informed that it is already working and temporarily accessible at [www.prb.iwrm.com](http://www.prb.iwrm.com) which would later be integrated to the NWRB official website. He demonstrated the features of the website. Members will be provided later with user name and password to be able to log-in. The use of the website and information sharing will be coordinated with the SC and TWG members later while access of stakeholders to the website will still be discussed with NWRB. Information that will be uploaded in the website after the Study pertains to the IWRM Plan Framework and Lessons Learned.
5. Atty. Santos expressed appreciation for the comprehensive presentation of Mr. Otagawa. For the benefit of new members in attendance, he gave a short background on how the project was conceptualized. He noted that IWRM should not only be integrated and participatory but also scientific. The recent appointment of DOST as a member of the NWRB Board and its representation in the Steering Committee is to the advantage of the Study in this regard. He called the attention of the SC and TWG members regarding the list of projects presented by Mr. Otagawa for the review of the point system being used for evaluation. He encouraged the submission of comments in this aspect especially in the assignment of points to the projects since it is at the stage of identification and prioritization of projects where their participation is crucial.
6. The major issues, concerns, observations and recommendations raised during the meeting were as follows:
  - OIC-Exec. Dir. Pagdilao of PCAMMRD-DOST commended the Study Team for the very comprehensive report. He considered the IWRM Plan as a grandiose Plan that will need the participation of all departments and local governments in the localization of IWRM. He suggested that in the evaluation process for the implementation of the IWRM Plan to look at the different components as it inter-relates with the other systems to be able to determine the progress made.

In the formulation of the Institutional Set-up Plan, he raised his concern on the monitoring aspect. There is a need to identify specifically the commitments, plans and programs of the different units for NWRB to be able to coordinate and monitor the implementation of the Plan. Atty. Santos suggested to the consultants the inclusion of monitoring of the

implementation of the projects identified in the Plan in its recommendations for the institutional aspect.

- Ms. Oredina of DENR raised three concerns as follows:
  - a) vision vis-à-vis the actual problems on Pampanga River Basin, i.e., whether the vision is for a revitalized river or healthy river
  - b) whether there had been an in-depth analysis on cross-cutting policies or conflicting/overlapping policies
  - c) whether there were considerations made on how to address the various interest of the various sectors of the stakeholders

Atty. Santos explained that the different issues and concerns were identified in consultation with stakeholders. These were grouped by sector with prioritization of the problems that needs to be addressed in the immediate, medium and long-term.

- Atty. Fondevilla of DOJ also congratulated Mr. Otagawa for a very comprehensive presentation. He had read the report and found it to be sustainable, manageable, attainable, realistic and time-bound (SMART).
- Ms. Victorino of DOF raised the following:
  - She commended the Study Team for coming up with a very comprehensive, very meaningful and scientifically-approached Study. With the involvement of the Department in the evaluation of major capital projects in agriculture and other infrastructure projects in the NEDA Investment Coordinating Committee, she found in the Study more bases on approving or guaranteeing projects related to agriculture and water.
  - The Study is also very helpful in prioritizing projects as not all projects can be implemented and found the integrated approach contributing to maximization of resources. Given the recommendations of the Study on the priority projects, it is necessary to bear in mind the issues such as delay in project implementation and changes in project design which results to cost overrun.
  - Being with the Corporate Affairs Group involved in the affairs of the Government-Owned and Controlled Corporations like MWSS, LWUA and NIA that implement the main projects for water, the Study is helpful in having empirical basis for policy decisions.
  - There was a concern on the monitoring of the sanitation projects being proposed by the two concessionaires for Metro Manila as these may contribute to the pollution of Manila Bay and whether it would complement with the other projects under the IWRM. Atty. Santos explained that the sanitation problem of Metro Manila will have to be tackled in another IWRM Plan for Metro Manila because Metro

Manila belongs to another river basin. It was included in the Study because the water supply that is used in Metro Manila comes from Bulacan.

- She raised the idea of converting Candaba Swamp into a place of interest for tourist like Mt. Pinatubo.
- She raised concern on the financing aspect of the proposed projects and proposed the ownership by the local government of the projects that would emanate from the Study so funds would not necessarily be dependent on the national government for sustainability. Atty. Santos suggested deferring discussion on the matter since some of the proposed projects may be offered for private investments. The priority for now is the identification and prioritization of the projects and the institutional arrangements.
- Dir. Mercado of NEDA Region-III was impressed with the progress of the Study based on the presentation and is enthusiastic to propose the mass marketing of the project outputs and make available the inputs to the Study so it can be optimized by LGUs which are now preparing its Development Plans. The Study has a wealth of information that can be utilized by the LGUs. Hence, he suggested that the Study Team post in the website information that the LGUs would need in their planning such as those relating to disaster risk measures and climate change to make their Plans more responsive in preventing future disasters. The help that the Study Team can extend to the LGUs will be a very good move towards acceptability of the Study by the LGUs. If the LGUs could already input some of the initial findings of the Study as well as some of the inputs that went into the Study in its Development Plans, adoption of the project recommendations will be easier.

Atty. Santos supported the suggestion and requested the help of the LGUs in doing advance marketing on the proposed projects at this early stage if it is amenable to the projects since it is important that project endorsement is solicited from local chief executives and principals of the respective agencies. Approval of the Steering Committee members will also be eventually sought on the prioritization of the projects identified.

- Engr. Balmeo of NE-PPDO raised concern on the manner of prioritization of projects since as per experience prioritization of projects is not always based on needs or in accordance with the thrust of the province. Atty. Santos responded that the concern can be discussed during the TWG meeting but for now the criteria for prioritization will be adopted.
- Mr. Serrano of DILG would like to know some information on the two on-going projects for municipal water supply, sanitation and sewerage mentioned in the presentation relative to the location, processes involved during the implementation and management model implemented. He would also like to know how the succeeding municipal water supply

projects would be implemented. Mr. Otagawa explained that the proposals of the Study Team for municipal water supply are for the establishment of bulk water supply system using surface water and the expansion of Level III systems by each water districts in the province. The bulk water supply system will be discussed with MWSS.

- Ms. Pajarillaga of DENR Region III raised concern on the integration aspect in the light of other projects. Atty. Santos suggested for the Study Team to include it in the report.
7. The SC/TWG members are given until September 13, 2010 for the submission of any other comments before the Study Team finalizes the Report.
  8. The next TWG meeting and Stakeholder Consultation meeting will be in September 2010.
  9. Mr. Otagawa made an announcement on the seminar that will be conducted by JICA in December 2010 to extend the knowledge of the IWRM. It will be an exchange of knowledge between Filipinos and Japanese so he extended an invitation for voluntary speakers to attend the seminar and discuss on any topic related to IWRM.
  10. With no other matters to discuss, the meeting was adjourned by Atty. Santos at about 11:30 am. ✓

**Annex**

**The Study on Integrated Water Resources Management for Poverty Alleviation  
and Economic Development in the Pampanga River Basin**

**4<sup>th</sup> Joint Steering Committee and Technical Working Group Meeting**

*Sulo Hotel, Quezon City*

*August 12, 2010*

**Attendance Sheet**

<b>NAME</b>	<b>POSITION</b>	<b>OFFICE</b>
1. Vicente S. Paragas	Executive Director	NWRB
2. Nathaniel C. Santos	Deputy Executive Director	NWRB
3. Cesario R. Pagdilao	OIC - Executive Director	PCAMRD-DOST
4. Eduardo V. Manalili	Sr. SRS	PCAMRD-DOST
5. Ruben F. Fondevilla	ACSC	DOJ
6. Remigio Mercado	Regional Director	NEDA-Reg. III
7. Agustin C. Mendoza	OIC-Chief / Supervising Economic Development Specialist	NEDA-Reg. III
8. John T. Zapata	Economic Development Specialist II	NEDA-Reg. III
9. Resito David	Project Director	PMO-FCSEC, DPWH
10. Jesse C. Felizardo	Engineer IV	PMO-FCSEC, DPWH
11. Rosendo D. Panganiban	Senior Engineer A	NIA-Reg.III
12. Arthur Dela Cruz	Principal Engineer	NIA C. O.
13. Carlito Gapsin	Division Manager	NIA-UPRIIS
14. Gregel B. Redublado	Department Manager, Dam and Reservoir Operation	NPC, DRFFD
15. Virgilio M. Garcia	Principal Hydrologist A	NPC, DRWD
16. Lorna Balmeo	Project Evaluation Officer IV	PPDO - N.E.
17. Albin P. Carreon	Engineer V	DPWH-Region III
18. Wilfredo S. Manabat	PDO III	PPDO - Pampanga
19. Marlynn M. Mendoza	Chief EMS	PAWB
20. Lovercain de Jesus	SWUMO	Tarlac City WD
21. Dax Llorente	TA	SCADC
22. Arthur Punsalan	OIC, ENRO	Provincial Govt. of Pampanga
23. Felixberto P. Lansigan	SFMS	FMB
24. Cesar P. Odi	Forester I	RBCO, DENR
25. Hilton Hernando	Senior Weather Specialist	PRFFWC, PAGASA
26. Ezequiel A. Serrano	Project Officer	DILG
27. Natalie Victorino	FAV	DOF
28. Araceli Oredina	DMO IV	DENR C.O.
29. Erlinda Pajarillaga	SFMS	DENR Region III
30. Richard Evangelista	Planning Officer II	PPDO-Tarlac
31. Gonzalo D.V. Coloma	Aqua 2	BFAR-Region III
32. Jose Dimatulac	PM - V	MWSS
33. Evangeline Dacanay	PMO - A	MWSS
34. Mario B. Collado	Engineer IV	BSWM

<b>NAME</b>	<b>POSITION</b>	<b>OFFICE</b>
35. Makihiko Otogawa	Team Leader/TWRM	JICA Study Team
36. Yukihiko Mizutani	Organization Institution Expert	JICA Study Team
37. Takeshi Ikematsu	Hydrology/River Management Expert	JICA Study Team
38. Emadelyn M. Quiñones	Water Environment/Watershed Management Expert	JICA Study Team
39. Francis Joseph M. Funa	GIS Engineer	JICA Study Team
40. Eleazar Rupido	Secretary	JICA Study Team
41. Gladys Ida S. Alburo	Encoder	JICA Study Team
42. Isidra D. Peñaranda	OIC, Policy and Program Division	NWRB
43. Susan P. Abaño	Engineer IV	NWRB
44. Felisa M. Manlulu	Information Officer IV	NWRB
45. Francis B. Hilarie	Economist III	NWRB
46. Florimel R. Balbedina	Economist III	NWRB
47. Josephine R. Billones	Engineer II	NWRB
48. Josephine Abellana	Administrative Assistant I	NWRB

## 添付資料 7

第5回ステアリングコミッティ、テクニカルワーキンググループ

合同会議議事録






**MINUTES OF JOINT STEERING COMMITTEE AND  
TECHNICAL WORKING GROUP MEETING  
ON  
THE REVISED PRIORITIZATION ORDER OF THE  
PROJECTS, DEVELOPMENT SCENARIOS AND THE  
REVISED INSTITUTIONAL SETUP PLAN FOR IWRM  
OF THE PAMPANGA RIVER BASIN  
FOR  
THE STUDY  
ON  
INTEGRATED WATER RESOURCES MANAGEMENT  
FOR POVERTY ALLEVIATION AND  
ECONOMIC DEVELOPMENT  
IN THE PAMPANGA RIVER BASIN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
NATIONAL WATER RESOURCES BOARD  
AND  
STUDY TEAM OF  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**October 27, 2010 in Quezon City**

  
\_\_\_\_\_  
**MAKIHIKO OTOGAWA**  
Study Team Leader  
Japan International Cooperation  
Agency

  
\_\_\_\_\_  
**VICENTE S. PARAGAS, CESO III**  
Executive Director  
National Water Resources Board  
(Chairman of Steering Committee)

**The Study on Integrated Water Resources Management for Poverty Alleviation  
and Economic Development in the Pampanga River Basin**  
**5<sup>th</sup> Joint Steering Committee and Technical Working Group Meeting**  
*Gateway Suites, Araneta Center, Quezon City*  
*October 27, 2010*

**Highlights:**

1. The meeting was called to order at approximately 9:10 am presided by NWRB Executive Director Vicente S. Paragas. The meeting was held to present to the Steering Committee (SC) and Technical Working Group (TWG) members the revised prioritization order of the projects and development scenarios as well as the revised institutional setup plan for IWRM of the Pampanga River Basin. The list of attendees is shown in Annex.
2. The Chair explained that the two Study outputs to be presented have already been reviewed by the TWG members and presented to the stakeholders and approved accordingly. The said outputs will be presented for final approval of the members of the SC-TWG members. Inputs or recommendations for the improvement of the outputs are welcome and he expressed hope that with the Study, IWRM will be in placed for a river basin management implementation of water-related activities.
3. JICA Study Team Leader Makihiko Otagawa, presented the final results on the principal outputs of the IWRM Plan on the following: 1) list of projects to be implemented for IWRM; 2) priority order of projects to be implemented; 3) implementation program of the projects; and 4) development scenario of IWRM which were revised incorporating the comments from the TWG members and stakeholders. The output on the investment program for implementation of the projects will be discussed during the presentation of the Draft Final Report.

The previously proposed 82 projects as components of the IWRM has increased to 84 projects with the addition of 2 conceptual projects as a result of the comments and suggestions from the members of the SC-TWG and stakeholders. Of these projects, 36 are on-going, 18 are proposed and 30 are conceptual projects. Forty-three projects (43) fall under Group A and the 41 under Group B. He informed that the project evaluation made by the TWG members on the proposed and conceptual projects previously evaluated by the Study Team was considered as the final result of the evaluation.

The revised project evaluation for the proposed and conceptual projects under Group B including the priority order and investment schedule as well as the revised development scenarios for both Groups A and B were likewise presented.

4. The presentation of Mr. Otagawa was reviewed and the amendments/corrections identified were as follows:

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- On page 5, on the slide on the “Number of Projects Classified into Group A & B”, there will be a footnote that will state that the grouping of the projects into Group A & B is not fixed but the projects can be transferred from one grouping to the other depending on the future situation and necessity for the project
- On page 7, on the slide on the “Projects in Group A (3/4) for Watershed Management, project # 33 with code WS-G-06: Private Forest Plantation Development Program (PFPDP), the implementing agency is DENR-FRCD (Forest Resources Conservation Division) and not DENR-FRDD
- On page 8, on the slide on “Projects in Group A (4/4) for Water-related Environmental Management”, project # 43 with code IC-C-02: Project for Recovery of Reliability of Water Supply in Angat-Umiray System will be transferred under the Water Resources Development, Water Allocation and Distribution group (5/4). The sector will be added to group A.
- On page 9, on the slide on Development Scenario by Group A Projects (1/6) for Municipal Water Supply, Sanitation and Sewerage, the following projects were corrected:
  - # 2: Development of Bulk Water Supply System for Bulacan Province
    - By 2015: Develop bulk water supply system of  $2.7\text{m}^3/\text{sec}$  (MWSS/LGU) in view of the  $1.9\text{ m}^3/\text{sec}$  water right granted by NWRB out of the  $2.7\text{m}^3/\text{sec}$  discharge of water supply capacity to the province of Bulacan.
    - By 2025: Develop bulk water supply system of  $6.5\text{m}^3/\text{sec}$  should be read as Develop bulk water supply system of additional  $3.8\text{m}^3/\text{sec}$  (Provincial Government of Bulacan). MWSS was deleted as one of the implementing agencies since the supply of the additional discharge of water supply capacity by 2025 cannot be committed with no assured source. On the other hand, the province of Bulacan had already identified 4 possible surface water sources for the implementation of the MW-C-05: Extended Bulacan Water Supply Project in its revised Provincial Long-Term Development Plan.
  - #3: Development of Bulk Water Supply System for Tarlac and Pampanga Province
    - By 2025: Develop bulk water supply system of  $1.3\text{m}^3/\text{sec}$  for Metro Clark should be read as Develop bulk water supply system of  $0.8\text{m}^3/\text{sec}$  for Metro Clark (with a footnote on the project with Code MW-P-04: Metro Clark Bulk Surface Water Project that Tarlac province will be a beneficiary of the project)

- By 2025: Develop bulk water supply system of 0.8 m<sup>3</sup>/sec for Pampanga Province should be read as Develop bulk water supply system of 1.3m<sup>3</sup>/sec for Pampanga Province.
  - Still on page 9, on the slide on Development Scenario by Group Projects (2/6) for Municipal Water Supply, Sanitation and Sewerage, the development scenario has to be renumbered and target date for provision of 100% sanitary toilet for households will be changed from 2025 to 2020 as follows:
    - 4. Expansion of Levels 3,2,1 Municipal Water Supply System
    - 5. Construction/Provision of Sanitary Toilet
      - The target is set at 2025 as proposed in the Study. However, it shall be noted in the Study Report that DENR and the Supreme Court mutually understand to clean up Manila Bay for its water quality to be Class SB category by 2020.
  - On page 19, on the slide on Development Scenario by Group B Projects (2/7) for Management of Flood and Sediment Disasters, under # 3: Mid-term Development of Irrigation Systems, by 2025 the number completed irrigation development projects was corrected from 7 to 6 projects.
5. Mr. Mizutani, the organizational/institutional expert discussed the process undertaken and the outputs for the institutional set-up as well as the design of the River Basin Committee (RBC). He emphasized that the design of the RBC with respect to its role and functions; composition and responsibilities of members and Secretariat; role of TWG and implementing organizations; allocation of operation cost and legal basis for its establishment and operation were determined by the members of the FGD and SC-TWG and supported by the Study Team. In this regard, he expressed gratefulness for their consistent support for the Study and the great contribution, without which the unique institutional arrangement for the Pampanga River Basin will not be conceived.
6. The amendments/corrections identified during the review of Mr. Mizutani's presentation of were as follows:
- On page 4 on the slide on Actions to Improve Water Code and IRR, the word "improve" should be changed to "amend".
  - Still on page 4 on the slide on Actions to Strengthen LAs and LGU: Issues 1-9, "LAs" should be changed to "NGAs/RLAs" to mean National Government Agencies and Regional Line Agencies. Accordingly, similar citations in the presentation and the Draft Final Report should be modified.
  - On page 7 on the slide on Functions of New RBC, the following were noted:
    - The word "New" should be changed to "Proposed."

- The function on "To arbitrate (resolve issues/conflict) and monitor water rights should be read as "To arbitrate (resolve issues/conflict) and monitor water rights subject to the guidelines or agreement between NWRB and RBC".
  - Still on page 7, slide on Role of LAs and LGUs for TWG Operation, the Chairperson for the TWG on Water Supply, Sanitation and Sewerage should be DILG and DOH instead of DILG and LWUA. Nevertheless, LWUA is under DOH.
  - On page 8, slide on Members of the RBC and Secretariat, the composition of the RBC should be changed from the provincial governors of 11 provinces to the provincial governors of 7 provinces (Pampanga, Tarlac, Bulacan, Nueva Ecija, Quezon, Aurora and Nueva Vizcaya).
  - On page 10, slide on Legal Basis to Establish & Operate RBC, the following were noted:
    - E.O. to be drafted should include a provision that will direct NGAs to initially allocate contributions to the operation of the RBC from their respective offices and eventual allocation of specific funds from the national government for its operation.
    - The long-term option of legislative action to institutionalize creation of RBOs/RBCs in the country should be included.
7. The presentations were approved with the amendments/corrections cited therein.
8. Issues/concerns raised were the following:
- Mr. Alcanar of Bulacan PPDO inquired if the Group A Projects for Agriculture, Irrigation & Fishery Development is limited only to the repair and rehabilitation of existing facilities and does not include development of other sources of water such as SWIM projects. Mr. Otagawa clarified that Group A projects is only on the rehabilitation and maintenance of the facility that must be implemented annually and regularly. The development of SWIM projects belongs to the Group B projects.
  - Mr. de Jesus of Tarlac City WD raised the following:
    - He observed that while LWUA is one agency in charged particularly of municipal water supply and water supply related projects, yet no LWUA representative/s have been present during the meetings in the Study period. Mr. Otagawa responded that although LWUA may not be represented during meetings, LWUA is involved in the Study by way of personal discussions of the JICA Study Team with its staff.
    - He inquired on whether it is for the Study Team to determine the functions of the RBC or the RBC to determine its own functions in the

future. Mr. Mizutani responded that the proposed functions were initiated by NEDA-Region III and agreed upon during the FGD and TWG meetings and supported by the Study Team. The Chair added that the proposal is only a guide that can be modified.

- Engr. Diaz of RBCO, DENR raised the following:
  - Considering that the Pampanga River Basin drains towards Manila Bay, he noted the reasonableness of targeting the provision of sanitary toilet for the whole households covered by the Study area by 2020 and not 2025 in order to be consistent with the on-going understanding between DENR and the Supreme Court to clean up Manila Bay for its water quality to be Class SB category by 2020. It is for this reason that the DENR is currently working with MWSS to target its 100% sanitation coverage for households from 2037 to 2020, if possible. However, the Water Environment/Watershed Management Expert Emadelyn Quiñones explained that targeting 100% coverage for sanitary toilet by 2025 is still within the mandamus that all sewerage and septage pollution load from domestic wastes should be reduced by 50% by 2015. There are also other sources of pollution like livestock that needs to be addressed as domestic pollution load constitutes only about 50% of the pollution load entering Manila Bay. Furthermore, implementation of the Operational Plan for the Manila Bay Coastal Strategy is delayed as solid waste management program should have been completed by 2007. Mr. Kitamura added that the provision of sanitary toilets is not mainly for reducing the pollution load but to secure the safe drinking water through prevention of contamination of the groundwater. The Philippine Water Supply Sector Roadmap targets the provision of 100% safe water by 2025.
  - He inquired as to who will take the initiative in the implementation of the conceptual projects under Group B projects. Mr. Otagawa responded that the Study Team proposes that the RBC which would be organized will take the initiative in this regard. The Chair noted of the necessity for the Study to recommend for the immediate creation of the RBC.
  - Relative to strengthening the financial capacity issue, he inquired whether the Study Team has considered the provision in the Clean Water Act (CWA) for the establishment of Water Quality Management Areas (WQMA) for specific sub-basins or watersheds experiencing water quality degradation that can generate funds for water quality monitoring. Ms. Quiñones responded that the establishment of WQMA including collection of water quality fund is included in her recommendation for capacity building to improve water quality management by the regional offices of DENR-EMB under water-related environment. She informed that she has identified the water quality hot spots within the Pampanga River Basin and her recommendation is for these sub-watersheds or sub-catchments to form

a WQMA and also delineate non-attainment areas according to the CWA.

- He inquired on how the arbitration and monitoring of water rights function of NWRB be harmonized with the same function of the proposed RBC. Engr. Peñaranda of NWRB explained that issues/conflicts will be resolved first at the RBC level and only unresolved issues will be elevated to NWRB. In this regard, the Chair noted that arbitration shall be subject to the guidelines or agreement that will be developed between RBC and NWRB on the kind of issues that can be tackled by the RBC.
- Mr. Redublado of NPC raised the following:
  - He inquired if the Group A projects for Management of Flood and Sediment Disasters excludes the sediments that are impounded in the reservoirs and dam for power generation of NPC as its dredging operations will be conducted by its new buyers as per contract. Mr. Otagawa clarified that it is excluded since the sediment disaster is only confined to the Mt. Pinatubo eruption.
  - He observed that in the development scenarios for Group A projects most of the projects are for 2025 when projects under this category, calls for necessity. Mr. Otagawa responded that while seemingly most of the projects in the development scenario for Group A projects will be implemented by 2025, some scenarios contain several projects whose implementation are in the short-term period.
  - He noted that the on-going project on Capacity Building on the Appropriate Dam Reservoir Operation against Flood under the Development Scenario by Group B Projects for Management of Flood and Sediment Disasters will end by 2012 and not 2015. Mr. Otagawa clarified that development scenario is divided only into 3 terms with an interval of 5 years so 2012 was considered for 2015.
  - He inquired on why the efforts of JICA cannot be acknowledged as a counterpart in the implementation of some projects where it is the prime mover, such as the Flood Forecasting and Warning System Capacity Building project of PAGASA. Mr. Otagawa explained that it is a matter of ownership as the Philippine Government is the main player for the projects while JICA is only providing technical or financial assistance.
- The Chair commented on the presentation of Mr. Mizutani that strengthening the financial capacity of NWRB does not necessarily mean increasing its budget, so he suggested to change the word "strengthen". Mr. Mizutani explained that it does not refer to the increase in budget but rather strengthening the institutional capacity of NWRB to generate income. Nevertheless, the increase in NWRB's allocation of budget from DBM is also included in the report.

9. Mr. Otagawa informed that the Study Team will leave for Japan on Nov. 5, 2010 to come back on November 30, 2010 for the submission of the Draft Final Report. Another Joint SC-TWG meeting will be conducted on Dec. 1, 2010 for the presentation and discussion of the Draft Final Report. The members will be given one month to review and comment on the report. Comments will be incorporated in the Final Report to be submitted in February 2011. Moreover, a Technical Transfer Seminar will be conducted on Dec. 3, 2010 and invitations will be sent to the members of the SC and TWG to participate in the seminar.
10. With no other matters to discuss, the meeting was adjourned by Exec. Dir. Paragas at about 1:00 pm.

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**The Study on Integrated Water Resources Management for Poverty Alleviation  
and Economic Development in the Pampanga River Basin**

**5<sup>th</sup> Joint Steering Committee and Technical Working Group Meeting**

*Gateway Suites, Araneta Center, Quezon City*

*October 27, 2010*

**Attendance Sheet**

NAME	POSITION	OFFICE
1. Vicente S. Paragas	Executive Director	NWRB
2. Mariano R. Alquiza	Director	PMO-FCSEC, DPWH
3. Jesse C. Felizardo	Engineer IV	PMO-FCSEC, DPWH
4. Armando Taruc	OIC, PRFDC	PRFFWC, PAGASA
5. Gregel B. Redublado	Department Manager, Dam and Reservoir Operation	NPC Port Area
6. Noel Gaerlan	Deputy Director	RBCO, DENR
7. Eugenio Diaz, Jr.	CE II	RBCO, DENR
8. John T. Zapata	Economic Development Specialist II	NEDA-Region III
9. Ma. Theresa Lalu	SFMS	DENR Region III
10. Dolores M. Gicena	Engineer II	BSWM
11. Richard Evangelista	Planning Officer II	PPDO-Tarlac
12. Reynaldo T. Tabelina	PO I	PPDO-Tarlac
13. Arthur Dela Cruz	Principal Engineer	NIA-CO
14. Juliana Manalili	Chief, TMSD	NCIP Region III
15. Lovercain de Jesus	SWUMO	Tarlac City WD
16. Edralin C. Domingo	Supervising Instrument Technician	Tarlac City WD
17. Felixberto P. Lansigan	SFMS	FMB
18. Rosalinda B. Bote	Acting Division Manager	NIA-UPRIIS
19. Julita V. Santiago	Supvg. Engr. A	NIA-UPRIIS
20. Evangeline Dacanay	PMO - A	MWSS
21. Elmer Alacantar	Project Development Officer II	PPDO Bulacan
22. Atty. Rustico De Belen	BENRO	Provincial Government
23. Naoto Kuwae	Assistant Resident Representative	JICA
24. Makihiko Otogawa	Team Leader/IWRM	JICA Study Team
25. Tadanori Kitamura	Deputy Team Leader/ Water Res. Devt. & Mgt. Planning	JICA Study Team
26. Yukihiko Mizutani	Organization Institution Expert	JICA Study Team
27. Takeshi Ikematsu	Hydrology/River Management Expert	JICA Study Team
28. Yayoi Yoshioka	Environmental and Social Considerations Expert	JICA Study Team
29. Yoshioki Ishizuka	Economic/Financial Expert	JICA Study Team
30. Emadelyn M. Quiñones	Water Environment/Watershed Management Expert	JICA Study Team
31. Francis Joseph M. Funa	GIS Engineer	JICA Study Team
32. Eleazar Rupido	Secretary	JICA Study Team
33. Gladys Ida S. Alburo	Encoder	JICA Study Team

<b>NAME</b>	<b>POSITION</b>	<b>OFFICE</b>
34. Isidra D. Peñaranda	OIC, Policy and Program Division	NWRB
35. Susan P. Abaño	Engineer IV	NWRB
36. Emmie L. Ruales	Engineer IV	NWRB
37. Felisa M. Manlulu	Information Officer IV	NWRB
38. Francis B. Hilarie	Economist III	NWRB
39. Florimel R. Balbedina	Economist III	NWRB
40. Josephine R. Billones	Engineer II	NWRB
41. Josephine Abellana	Administrative Assistant I	NWRB

## 添付資料 8

第6回ステアリングコミッティ、テクニカルワーキンググループ

合同会議議事録

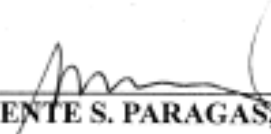


**MINUTES OF JOINT STEERING COMMITTEE AND  
TECHNICAL WORKING GROUP MEETING  
ON  
DRAFT FINAL REPORT  
FOR  
THE STUDY  
ON  
INTEGRATED WATER RESOURCES MANAGEMENT  
FOR POVERTY ALLEVIATION AND  
ECONOMIC DEVELOPMENT  
IN THE PAMPANGA RIVER BASIN  
IN  
THE REPUBLIC OF THE PHILIPPINES**

**AGREED UPON BETWEEN  
NATIONAL WATER RESOURCES BOARD  
AND  
STUDY TEAM OF  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**December 1<sup>st</sup>, 2010 at Quezon City**

  
\_\_\_\_\_  
**MAKIHICO OTOGAWA**  
Study Team Leader  
Japan International Cooperation Agency

  
\_\_\_\_\_  
**VICENTE S. PARAGAS, CESO III**  
Executive Director  
National Water Resources Board  
(Chairman of Steering Committee)

In accordance with the Implementation Arrangement for "the Study on Integrated Water Resources Management for Poverty Alleviation and Economic Development in the Pampanga River Basin" (hereinafter referred to as "the Study") agreed upon between National Water Resources Board (hereinafter referred to as "NWRB") and Japan International Cooperation Agency (hereinafter referred to as "JICA") on November 24, 2008, the Study Team officially submitted thirty (30) hard copies (4 volumes) and ten (10) soft copies of Draft Final Report to NWRB on November 30, 2010.

In order to discuss the contents of the above Draft Final Report, the joint meeting of the Steering Committee (hereinafter referred to as "SC") and Technical Working Group (hereinafter referred to as "TWG") was held on December 01, 2010, 9:30 a.m. – 12:30 p.m. at Imperial Palace Suites, Quezon City. The meeting was chaired by Engr. Isidra Peñaranda, OIC, Policy and Program Division, NWRB. The list of the participants to the meeting is shown in Annex.

Engr. Isidra Peñaranda explained, in her opening remarks, the progress of the Study and invited the members of SC and TWG to attend the Technical Transfer Seminar on December 03, 2010. Mr. Kenji Nagata, Senior Advisor of Water Resources, JICA, gave a short message expressing his gratitude to all SC and TWG members for their significant contributions to the Study. He also stated that it was good opportunity for stakeholders to come together during the course of the Study and it was the first and fundamental step for the IWRM in Pampanga river basin, although the realization of the IWRM concept would not be easy.

The contents of the Draft Final Report were explained by Mr. Makihiko Otogawa, Team Leader for the Study, and they were accepted by the members of the SC and the TWG with some comments and suggestions, the major parts of which are as described below:

- (1) Ms. Araceli Oredina, Development Management Officer IV of DENR, asked a clarification about the difference between the proposed and conceptual projects described in the Draft Final Report. She also raised a question if the on-going projects and other projects (proposed and conceptual projects) could be well-harmonized so that duplication is avoided.

In response to the above questions, Mr. Otogawa explained the following:

- The proposed projects are those, which have been already materialized by the government and/or non-government agencies, while the conceptual projects are newly proposed as the essential part for IWRM for Pampanga river basin, by the JICA Study in collaboration with the stakeholders.
  - There might be certain duplications among the ongoing, proposed and conceptual projects. It is necessary to conduct further detail study for the conceptual project so as to avoid such duplications.
- (2) Dir. Vicente Tuddao, Jr., Executive Director of the River Basin Control Office (RBCO) commended the JICA Study Team for coming up with a very comprehensive report and likewise the NWRB for taking the lead in the undertaking. He inquired about the present status of the IWRM in Pampanga river basin. Mr. Otogawa replied that it is still at the very beginning stage, and it is recommended to establish the proposed River Basin Committee (RBC) soon after the completion of the Study so as to attain the smooth implementation of the proposed IWRM plan. Dir. Tuddao also raised a question on whether or not the Study includes a management plan, which clarifies the detailed processes and methods for management of the projects proposed as the components of IWRM Plan. Mr. Otogawa replied that it is not included according to the Terms of Reference (TOR) of the Study.

Dir. Tuddao further inquired about the chairmanship of the governors and the membership of the proposed RBC. He recommended the following should be included in the RBC members; i) DA, ii) LWUA/WD and iii) Governors of seven provinces. Mr. Yukihiro Mizutani, the member of JICA Study Team replied the following:

- i) Instead of LWUA, DILG was proposed as the member of the RBC.
- ii) All of the governors of seven provinces are members of the RBC with one of them serving as chairperson of the RBC on a rotational basis.
- iii) DA would be included as the member in accordance with the suggestion. The Draft Final Report would be revised accordingly.

Engr. Peñaranda added that LWUA is under the DOH and DOH is already included as a member while the Central Luzon Association of Water Districts (CLAWD) can be included as a member in the TWG.

Dir. Tuddao also recommended to consider only the lead and federated organization for the "People's Organizations (POs)" and the corporate group that will represent the business sector in the basin instead of "private sector", as the members of RBC because there are too many POs and private groups in the basin making it virtually difficult for all of them to be members of the RBC. Mr. Agustin Mendoza of NEDA Region III commented that the composition of the existing RDC can be a good model for this. He also commented that RBCO shall be included as a member at the TWG level and at the RBC proper.

The JICA Study Team as well as the members of SC and TWG agreed to the above suggestions of Dir. Tuddao and Mr. Mendoza.

Dir. Tuddao inquired from Engr. Peñaranda on the plan of NWRB relative to the expenses that will be incurred by NEDA Region III as Secretariat in the mobilization of the RBC for NWRB should take the lead in providing the logistic support. Engr. Peñaranda responded that considering the limited budget of NWRB, it was discussed that initially NEDA Region III will support the meetings but later on it will be a sharing with the concerned agencies. An Executive Order (EO) to secure the necessary budget for the activity on RBC would be indispensable in this regard. Perhaps RBCO can complement the needed financial support while the NWRB provides the human resources.

- (3) Ms. Evangeline Dacanay of MWSS, inquired on how the proposed RBC in the Study can be harmonized with the RBO, which is responsible for IWRM, described in the on-going amendment of the Water Code. Engr. Peñaranda replied that there will be no conflict since the proposed RBC in the Study is an interim measure and the proposed amendment in the Water Code is for the long-term institutionalization of the creation of RBOs in different river basins in the country. Mr. Mizutani, the member of JICA Study Team, stated that there is no inconsistency since there is no specific definition of the RBO in the Water Code and as such the proposed RBC may be considered as one of the types of RBOs.
- (4) Mr. Lorenzo of DILG-MDGF 1919 commended NWRB for the undertaking the first IWRM study in the country. He inquired about the harmonization of the proposed IWRM plan with i) Philippine Water Supply Sector Road Map, ii) Philippine Sustainable Sanitation Sector Road Map, and iii) Medium Term Philippine Development Plan (MTPDP) 2011-2016. Engr. Peñaranda replied that the JICA Study Team has already referred to the i) and ii) for formulation of the plan as a national guidance. She also

suggested discussing on how the projects identified in the Study can be incorporated into the updating of the MTPDP. Mr. Mendoza, NEDA Region III, recommended submitting the Plan to the executing agencies for possible incorporation in the MTPDP while awaiting the creation of the RBC under the umbrella of the RDC.

- (5) Engr. Peñaranda suggested that the term "water rate" should be changed to "water tariff". Mr. Otogawa as well as SC and TWG members agreed with the suggestion. She also inquired about the necessary action for the establishment of RBC. Mr. Otogawa replied that NWRB as well as NEDA Region III should pursue the establishment of RBC, as described in the conclusions and recommendations of the Draft Final Report. A recommendation was raised by Mr. Mendoza of NEDA Region III for NWRB as the lead agency of the IWRM Plan to write a formal communication to NEDA Central office for the notation that the Plan was already completed and as indicated in the Plan there has to be a creation of the RBC by the RDC III. From NEDA official communication to RDC III it will act accordingly in the process of adopting the Plan and organizing the RBC. Dir. Tuddao of RBCO informed that the creation of RBOs nationwide is proposed in the MTPDP 2011 – 2016.

- (6) In addition to the above discussions, the following questions and answers were made between the members of Committee and the Study Team:

- *How the gender consideration and PANTHER (Participation, Accountability, Non-discrimination, Transparency, Human Dignity, Empowerment and Rule of Law) concept were made in the proposed IWRM plan:*

One of evaluation points for the proposed projects is addressed to the project's contribution to the vulnerable groups that consider gender concerns.

- *What is the interval period for the monitoring and evaluation of the IWRM Plan.*

There is no definite period for it depends on the result of the monitoring which will dictate whether there is a need for immediate improvement or not.

- *How the budgetary arrangement was made for implementing the proposed projects in the IWRM plan:*

The budgets for the on-going and proposed projects have been almost secured and/or projected by the implementing agency. As for the conceptual projects, however, only the implementing agencies/institutions are proposed, while the definite budgetary arrangements have not been made yet.

- *Whether or not the support from JICA could be expected for implementation of the proposed IWRM projects:*

The JICA Study Team can not commit anything about this question. Mr. Nagata commented that one of the purposes of the Study is oriented to the actual implementation of the proposed IWRM Plan and the relevant request for the support of JICA would be welcomed.

- *Whether or not the GIS data and other basic data used for the Study could be furnished to other agencies:*

The JICA Study Team would submit all basic data for the study to NWRB and, NWRB would provide them to other relevant agencies upon official request.



- *Whether or not the JICA Study Team could undertake the Information Education Campaign (IEC), which could materialize the proposed IWRM Plan, as a part of the study:*

It is virtually difficult for the Study Team to carry out the IEC as a part of the study and another official request would be required, should the IEC be made through assistance of JICA.

At the end of the meeting, Engr. Peñaranda requested all of the SC/TWG members to submit any other comments on the Draft Final Report to JICA Study Team through NWRB by January 10, 2011 either thru email at [nwrphil@gmail.com](mailto:nwrphil@gmail.com) or thru fax at 920-27-24. Likewise, she requested the members to brief their principals on this matter and for the JICA Study Team to provide additional copies of the CDs for distribution to concerned agencies for them to be aware of the proposed projects to be implemented by their agency under the Plan. With no other matters to discuss, the meeting was adjourned at about 12:30 pm.



## Attendance Sheet

No.	Name	Position	Office
1	Vicente Tuddao, Jr.	Executive Director	DENR - RBCO
2	Eugenio Diaz Jr.	CE/SE	DENR - RBCO
3	Araceli Oredina	DMO IV	DENR
4	Ma. Theresa L. Lalu	SFMS	DENR Reg. 3
5	Remedios Evangelista	OIC Refo. Div.	DENR - FMB
6	Felixberto Lansigan	SFMS	DENR - FMB
7	Jose Algy B. Canlas	PDMG Chief	DILG Reg. II
8	John T. Zapata	EDS II	NEDA Reg. 3
9	Emerson Canlas	NEDA Reg. 3	NEDA Reg. 3
10	Agustin Mendoza	Sup. EDS	NEDA Reg. 3
11	Gonzalo D.V. Coloma	Aqua 2	BFAR Reg. 3
12	Arlette Guzman	Engr. III	DPWH
13	Jesse Felizardo	Engr. IV	DPWH -FCSEC
14	Romeo Dayao	W.O.I	PRFFWC/PAGASA
15	Mario Collado	Engr. IV	BSWM
16	Richard Evangelista	P.O II	PPDO Tarlac
17	Reynaldo Tabelina	P.O I	PPDO Tarlac
18	Michael Calma	PPDC-OIC	NEPG
19	Richard Dingle	PDO IV	PPDO Nueva Ecija
20	Antonio Cacedac	SEMS	PPDO Bulacan
21	Evangeline Dacanay	Proj. Magt. Officer	MWSS
22	Gregel Redublado	Dept. Mgr.	NPC
23	Virgilio Garcia	Proj. Hydologist	NPC
24	Daxx Llorente	TA	SCADC
25	Soledad Castañeda	Chief SRS	DOST
26	Rene Lorenzo		DILG-MDGF 1919
27	Isidra Peñaranda	OIC PPD	NWRB
28	Francis Hillarie	ECO III	NWRB
29	Josephine Abellana	AAA I	NWRB
30	Lisa Manlulu	Information Officer IV	NWRB
31	Florimel Balbedina	Economist III	NWRB
32	Kenji Nagata	Senior Advisor	JICA Head Quarters
33	Tomonori Wakabayashi	Program Officer	JICA Head Quarters
34	Kessy Reyes	Program Officer	JICA Philippines
35	Makihiko Otagawa	Team Leader	JICA Study Team
36	Tadanori Kitamura	D.Team Leader	JICA Study Team
37	Yukihiro Mizutani	Intitution	JICA Study Team
38	Emadelyn Quinones	Watershed Mgt.	JICA Study Team
39	Gladys Alburo	Encoder	JICA Study Team
40	Eleazar Rupido	Secretary	JICA Study Team