2.5 Seminar and Workshop

To disseminate the JICA project and to promote coordination among agencies of flood control concerned agencies, two (2) Seminar were taken placed at Jakarta. on 4 December 2008 and 23 November 2009. And to facilitate fulltime Counterparts toward project activity and confirm performance of OJT, two (2) Workshop were taken place at Bogol and Punck. Results of seminars and presentations are complied in seminar report, which were submitted in separate volume.

List of Seminar and workshop conducted are shown in Table-2.34. Outline of those are shown in Table-2.35 to Table-2.38.

Table-2.34 List of Seminar and Workshop

NO	Date & Venue	Name of Seminar and Workshop	Attendance
1	4 Dec 2008 Jakarta	Seminar of Flood Management in JABPDETABEK	119
2	29-30 July 2009 Bogol	Workshop on Flood Mitigation in JABODETABEK	72
3	23 Nov 2009 Jakarta	Seminar on Urban Flood Management	83
4	23-25 Feb 2010 Puncak	Workshop on Finalization of Manuals and Guideline	19

Table-2.35 Outline of Seminar & Workshop (1/4)

I	1	Name of Program	:	Seminar on Flood Mitigation in JABODETABEK
	2	Date	:	December, 4th 2008
	3	Venue	:	Mutiara-1, Hotel Gran Melia
	4	Location	:	Jl. HR. Rasuna Said Kav X-O Kuningan, Jakarta 12950
	5	Objective	:	1. To exchange the information of the divison activity plan and issues concerning food mitigation done by related agencies
				2. To Introduce and encourage comprehensive flood mitigation measures, including structural (on-stream and off-stream) and non structural; also to discuss the policy direction for the flood mitigation in JABODETABEK
				3. To Confirm the necessity of the coordination mechanism and to discuss inter-coordination framework in river basins among the related agencies on planning and implementing the comprehensive flood mitigation measures in the JABODETABEK
	6	Attendant	:	1. Ministry of Public Works
				a. Dit. Gen. Water Resources
				b. Dit. Gen Spatial Planning
				c. Dit. Gen. Human Settlement
				2. Provincial Offices
				a. Province of DKI Jakarta
				a.1. BAPPEDA (Regional Development & Planning Board)
				DKI Jakarta Province
				a.2. Dinas PU (Public Works Agency) DKI Jakarta
				a.3. Dinas Tata Kota (Spatial Planning Agency) DKI Jakarta
				b. Province of Banten
				b.1. BAPPEDA (Regional Development & Planning Board)
				Banten Province
				b.2. Dinas SDA &P (Water Resources & Settlement Agency)
				Banten Province

				c. Province of West Java
				c.1. BAPPEDA (Regional Development & Planning Board)
				West Java Province
				c.2. Dinas PSDA (Water Resources Agency) West Java Province
				c.3. Dinas Tata Ruang Permukiman (Spatial Planning & Settlement Agency) West Java Province
				3. SDPU (Municipality Public Works Agency)
				a. SDPU Jakarta Pusat (North Jakarta)
				b. SDPU Jakarta Pusat (East Jakarta)
				c. SDPU Jakarta Pusat (West Jakarta)
				d. SDPU Jakarta Pusat (SouthJakarta)
				e. SDPU Jakarta Pusat (Central Jakarta)
				4. Japan Government (Embassy of Japan, JICA, Yachiyo Eng. Consultant)
				5. World Bank
				6. Asian Development Bank
				7. The Netherlands (Embassy of Royal Netherland, JFM Project)
				Total Participants: 119 persons
		Photo		

Front view of the stage

119 participants attended the workshop

Presentation from related agencies: BBWS Ciliwung-Cisadane, DG. Spatial Planning, DG. Human Settlement (Left to right: Ir. Pitoyo, Ir. Imam Anshori, Ir. Sri Apariatini, Ir. Soesmono)

Presentation from Counterpart trained in Japan (Left to right: Ir. Sulad, Ir. Budi Santoso, and Ida Gede, ST)

Panel Discussion among authorities concerned DPU DKI Jakarta, DG. Spatial Planning, DG. Water Resources, DG. Human Settlement, National Water Resources Council, and Water Resources Agency & Settlement of Banten)
(Left to right: Ir. Budi Widiantoro, Ir. Reymod Kemur, Ir. Widagdo, Ir. EKo Djuli Sasongko, Ir. Imam Anshori, Ir. Winarjono)

JICA Experts with Director of River, Lake and Reservoir (Left to right: Mr. Shingu, Ir. Widagdo, Mr. Kusakabe, Mr. Usui)

Table-2.36 Outline of Seminar & Workshop (2/4)

II	1	Name of Program	:	Workshop on Flood Mitigation in JABODETABEK
	2	Date	:	July, 29th-30th 2009
	3	Venue	:	Hotel Salak Bogor
	4	Location	:	Jl. Juanda No. 8 Bogor
	5	Objective	:	enhance capacity building of Full Time Counterparts and disseminate the flood mitigation technology to the related agencies
	6	Attendant	:	1. Ministry of Public Works
				a. Dit. Gen. Water Resources
				b. Dit. Gen Spatial Planning
				c. Dit. Gen. Human Settlement
				2. Provincial Offices
				a. Province of DKI Jakarta
				a.1. BAPPEDA (Regional Development & Planning Board)
				DKI Jakarta Province
				a.2. Dinas PU (Public Works Agency) DKI Jakarta
				a.3. Dinas Tata Kota (Spatial Planning Agency) DKI Jakarta
				b. Province of Banten
				b.1. BAPPEDA (Regional Development & Planning Board)
				Banten Province
				b.2. Dinas SDA &P (Water Resources & Settlement Agency)
				Banten Province
				c. Province of West Java
				c.1. BAPPEDA (Regional Development & Planning Board)
				West Java Province
				c.2. Dinas PSDA (Water Resources Agency) West Java Province
				c.3. Dinas Tata Ruang Permukiman (Spatial Planning & Settlement Agency) West Java Province
				3. BBWS/ Balai PSDA
				a. BBWS Ciliwung-Cisadane, Jakarta

				b. BBWS Cidanau-Ciujung-Cidurian, Banten
				c. BBWS Citarum
				d. BBWS Bengawan Solo, Central Java
				e. BBWS Sumatera VIII, Palembang
				f. BBWS Serayu Opak
				g. BBWS Pemali – Juana
				h. Balai PSDA Cidurian-Cisadane
				i. Balai PSDA Ciujung-Ciliman
				j. Balai PSDA Ciliwung-Cisadane
				k. BBWS Serayu Opak
				l. BBWS Pemali – Juana
				m. Balai PSDA Cidurian-Cisadane
				4. Japan Government (Embassy of Japan, JICA, Yachiyo Engineering Consultant)
				Total Participants: 72 persons
		Photo		

Inside of the IstanaBall Room before workshop started

Opening Address by JICA Deputy Resident Representative, Mr. Kiichi TOMIYA

Presentation and Discussion Topic 8
"Guideline for Run-off Control in Basin"

Presentation and Discussion Topic 1 "Manual for Inventory of Rivers and River Structures"

Partipants come from several instituions

Best Full Time Counterpart & Best Team of Full Time Counterpat pose with Director, Mr. Widagdo, and JICA Experts

Table-2.37 Outline of Seminar & Workshop (3/4)

III	1	Name of Program	:	Seminar on Urban Flood Management
	2	Date	:	November, 23rd 2009
	3	Venue	:	Hotel Grand Kemang
	4	Location	:	Jl. Kemang Raya No. 2 H Kebayoran Baru, Jakarta Selatan
	5	Objective	:	1. to indicate important issues of Urban Flood Management
				2. to encourage related agencies, either Government or Non-Government Agencies to contribute in the implementation of Urban Flood Management in accordance with their competencies
				3. to promote further coordination among related agency in Urban River Basin
	6	Attendant	:	1. Ministry of Public Works
				a. Dit. Gen. Water Resources
				b. Dit. Gen Spatial Planning
				c. Dit. Gen. Human Settlement
				2. Provincial Offices
				a. Province of DKI Jakarta
				a.1. BAPPEDA (Regional Development & Planning Board)
				DKI Jakarta Province
				a.2. Dinas PU (Public Works Agency) DKI Jakarta
				a.3. Dinas Tata Kota (Spatial Planning Agency) DKI Jakarta
				a.4. Bapelda Provinsi DKI Jakarta (Environment Control Board)
				a.5. Dinas Kehutanan Provinsi DKI Jakarta (Forestry Agency of DKI Jakarta)
				a.6. Dinas Pertanian Provinsi DKI Jakarta (Agriculture Agency of DKI Jakarta)
				b. Province of Banten
				b.1. BAPPEDA (Regional Development & Planning Board)
				Banten Province
				b.2. Dinas SDA &P (Water Resources & Settlement Agency)
				Banten Province
				b.3. Dinas Tata Kota (Spatial Planning Agency) Banten

				b.4. Bapelda Provinsi Banten (Environment Control Board)
				b.5. Dinas Kehutanan Provinsi Banten (Forestry Agency of Banten)
				b.6. Dinas Pertanian Provinsi Banten (Agriculture Agency of Banten)
				c. Province of West Java
				c.1. BAPPEDA (Regional Development & Planning Board)
				West Java Province
				c.2. Dinas PSDA (Water Resources Agency) West Java Province
				c.3. Dinas Tata Ruang Permukiman (Spatial Planning & Settlement
				Agency) West Java Province
				c.4. Bapelda Provinsi Jawa Barat (Environment Control Board)
				c.5. Dinas Kehutanan Provinsi Jawa Barat (Forestry Agency of West Java)
				c.6. Dinas Pertanian Provinsi Jawa Barat (Agriculture Agency of West Java)
				3. SDPU (Municipality Public Works Agency)
				4. Regency Offices in DKI Jakarta, Banten, and West Java Provinces
				5. BAPPENAS (National Planning and Development Board)
				6. Japan Government (Embassy of Japan, JICA, Yachiyo Eng. Consultant)
				7. World Bank
				8. Asian Development Bank
				Total Participants: 83persons
		Photo		

Mr. Widagdo, Director of River, Lake and Reservoir, hitting the gong to open the seminar officialy
(Left to Right: Mr. Baba, Mr. Tomiya, Mr. Iyori, Mr. Widagdo)

Opening Address by Counselor of Japan Embassy, Mr. Makoto IYORI

Presentation from related Directorate in Ministry of Public Works: DG. Water Resources, DG. Human Settlement, DG. Spatial Planning
(Left to Right: Mr. Budi Santoso, Mr. Sulad Sriharto, Mr. Eko Djuli Sasongko, Mrs. Sri Apriatini)

Presentation from JICA Experts and with Moderator, Head of DPU DKI Jakarta
(Left to Right: Mr. Shingu, Mr. Budi Widiantoro, Mr. Baba, Mr. Kusakabe)

Panel Discussion: Coordination mechanism among the authority concerned:
Mr. Endar Margono, Secretary of Water Resources and Settlement Agency, Mr. Arifin Kertayasa, Head Section of Lake and Reservoir from BBWS Citarum, MR. Eko Djuli Sasongko-Head of Sub-Dit. Building Codes, DG. Human Settlement, Mr. Sulad Srihartono-Head Sub-Dit. of Controlling of Water Resources Management, Mr. Hitoshi BABA-JICA Expert on Integrated Water Resources Management, Mr, Takaaki KUSAKABE-Chief Advisor of The Institutional Revitalization Project for Flood Management in JABDETABEK and Mr. Budi Widiantoro-Head of Public Works Agency of DKI Jakarta

Table-2.38 Outline of Workshop (4/4)

IV	1	Name of Program	:	Workshop on Finalization Manual
	2	Date	:	February, 23rd – 25th 2010
	3	Venue	:	Yasmin Resort and Conference Hotel
	4	Location	:	Jl. Jeprah Palasari, Puncak 43253
	5	Objective	:	Facilitate Full Time Counterparts to finalize manuals and guideline
	6	Attendant	:	• Coordinator Counterpart
				1. Ir. Subardjo, Head of East Region Section, Sub-dit.O&M and Natural Disaster Fighting
				2. Ir. Slamet Budi Santoso, Head of Sub-dit Technical Planning
				3. Dani, ST, Staff of Sub-dit.O&M and Natural Disaster Fighting
				• Full Time Counterparts:
				4. Fikri, BBWS Cil-Cis
				5. Heru Purnomo, BBWS Cil-Cis
				6. Romelan, BBWS Cil-Cis
				7. Hendra, Sub-dit. Technical Planning
				8. Nila, Sub-dit. Implementer of West Region
				9. Ayu, Sub-dit. Hydrlogy and Water Quality
				10. Sumarno, Sub-dit. Hydrlogy and Water Quality
				11. Ambar, Sub-dit. Policy & Strategy
				12. Pilas, Sub-dit. Spatial Planning Region II
				13. Taufan, Sub-dit. O&M and Natural Disaster Fighting
				14. Puji Sutarto, BBWS Cil-Cis
				15. Lina Fitriani, BBWS Cil-Cis
				• JICA Project
				16. Tamotsu SHINGU
				17. Sarwono Sukardi
				18. Novita Nababan
				19. Destri Kusumawardani
				Total Participants: 19
		Photo		

Mr. Sarwono gives explanationabout Manual

Mr. Shingu gives explanationabout Manual

Each group work and discuss their manual & guideline

Group working of M-1, M-2, M-3 an M-5

Group workingof M-4 and M-6

Mr. Subardjo and Mr. Slamet Budi Santoso gave some recommendations and comments about the manuals & guideline

2.6 On the Job Training

On the Job Training and the meeting done in Indonesia are basically conducted according to the rule shown in Table-2.39.

At normal time, CP training was conducted once/two weeks. From May to July 2009, CP training conducted once/week per each Manuals and Guideline to make up Text for Manuals and Guideline. After completion of Texts, CP trainings were done by random by at least once a weeks for making up manual and Guideline.

Intensive CP training schedule is shown in Table-2.40.

Meeting done in Indonesia are tabulated in Table-2.41. Totally, 100 meetings were conducted to explain and discuss activities during three years.

Table- 2.39 Basic rule of CP training

Period	Frequency of OJT	Remarks
May 2007 – Mach 2009	Once / two weeks	➢ Data collection and analysis
May 2009 – July 2009	Once/week per manual	➢ Data collection and analysis ➢ Intensive CP training for making up Text and preparation of Workshop presentation
Aug 2009 – Feb 2010	Random At least Once/week	➢ Training for making up Manuals and Guideline

Table-2.40 Intensive Training for Making up Texts for Manuals and Guideline

Time-table for Intensive On The Job Training and Counterpart Meeting for Workshop on 29-30 July 2009.

No.	Manual & Guideline	JUNE 1 M	2 T	3 W	4 T	5 F	6 S	7 S	8 M	9 T	10 W	11 T	12 F	13 S	14 S	15 M	16 T	17 W	18 T	19 F	20 S	21 S	22 M	23 T	24 W	25 T	26 F	27 S	28 S	29 M	30 T	31 W	JULY 1 T	2 F	3 S	4 S	5 S	6 M	7 T	8 W	9 T	10 F	11 S	12 S	13 M	14 T	15 W	16 T	17 F	18 S	19 S	20 M	21 T	22 W	23 T	24 F	25 S	26 S	27 M	28 T	29 W	30 T	31 F
1	Manual for Inventory of Rivers and River Structures **Ambar Puspitosari [TS, SS]** *Hendra Ramadhani* *Puji Sutarto*	○							○			●				○								●													○			●								●														△	△
2	Maintenance Manual on River Structures **Nila Aliefia Fadli [TS, SS]** *Ambar Puspitosari* *Pujiono*	○							○			●				○								●													○			●								●														△	△
3	Facility Evaluation Manual for River and River Structures **Heru Purnomo [TS, St]** *Nila Aliefia Fadli* *Purwanti*	○							○			●				○								●													○			●								●														△	△
4	Operation Manual on Gates and Pumps **Eko B. Santoso [TS, St]** *Nila Aliefia Fadli* *Taufan Andrianto* *Romelan*			○							○		●					○							○	●														○			●								●														△	△
5	Manual for Drawing up Probable Flood Area **Hendra Ramadhani [YK, TS]** *Hera Suwandi* *Dina Novianidra*	○								○		●					○							○	●														○			●								●														△	△
6	Manual for Post Flood Survey **Heriyanto Wolupadi [Usui]** *Kiki Marina Nuraliani* *Hendra Ramadhani* *Dwimarti Nurlaili*		○							○		●					○							○	●														○			●								●														△	△
7	Flood Alert Manual **Andi Widyanto [Usui]** *Mariana Suwarno* *Fikri Abdurahman*		○							○		●					○							○	●														○			●								●														△	△
8	Guideline for Runoff Control in Basin **[illegible]** *Ayu Suci Wijayanti* *Lina Fitriani* *Pitas Agita*			○							○		●					○							○	●														○			●								●														△	△

Table-2.41 List of OJT and Meetings

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
1	29-May-08	BBWS Ciliwung-Cisadane 1. Mr. Heriyanto Waluyadi, ST, MT / Principal Supervisor of Situ Rehabilitation (as Full Time Counterpart/ FT CP) 2. Mr. Agung Djuhartono / Functionary of Commitment Maker of Water Res. Dev & Conservation	Explanation of Project and making database inventory of river & river structures	Mr. Heishi Ms. Novita
2	3-Jun-08	Pluit Coastal Dike Mr. Basri A / Supervisor of O&M DPU DKI (Staff of Maman Suparman the Section Head of Maintenance & Water Control in Public Works Agency)	Monitoring the situation, water level & dike construction (temporary structure)	Mr. Heishi Mr. Usui Mr. Kamimura
3	4-Jun-08	DPU DKI Jakarta 1. Ir. Tri Djoko S.M, ME / Section Head Water Res.Dev., Sub-Agency Technical Guidance of Water Resources (as Counterpart) 2. Ir. Dudi Gardesi A. MUM / Section Head Restoration of Water Pollution, Sub-Agency Environmental Technique and Infrastructure Management (as Counterpart) 3. Ir. Maman Suparman,ME / Section Head of Maintenance & Water Control, Sub-Agency Water Resources Development (as Counterpart)	1. Explain the activity & schedule of Counterpart (Inventory Database of river & river structures) 2. ask the new data of inundation occurred in Pluit on June 3rd, 2008 3. Arrange the progress meeting of Full-Time Counterpart (once a month)	Mr. Heishi Mr. Kusakabe Mr.Usui Ms. Novita
4	4-Jun-08	DPU Drs. Harmadi, ST. Sp1, MT / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, Directorate River, Lake & Reservoir (as Counterpart Coordinator)	Explain the activity & schedule of Full Time Counterpart	Mr. Heishi Mr. Usui Mr.Kusakabe Ms.Novita
5	5-Jun-08	DPU, Spatial Planning Building 3rd fl 1.Ms. Ida Ayu Gede M, ST / Staff of Provincial Spatial Planning Management Section (as Counterpart) 2. Mrs. Liza Soraya K, ST / Staff of Metropolitan Spatial Planning Management Section (as Counterpart)	1. Ask the procedure of getting permit building in Jakarta Area (go to Bappeda) 2. Ask the planning of land use in year 2010	Mr.Heishi Mr. Kusakabe Mrs. Anisa
6	9-Jun-08	DPU 1. Drs. Harmadi / Head of Sub-Dir. River, Lake & Res. and Natural Disaster Fighting, Directorate River, Lake & Reservoir (as Counterpart Coordinator) 2. Full Time Counterpart Members / Staffs of Departemen PU, DPU DKI Jakarta and BBWS Cil-Cis	Full Time Counterpart Meeting: Explanation of Project, Implemented Activity, Post Flood Survey, 4th Activities	Mr. Heishi Mr. Kusakabe Mr. Usui Mr. Kamimura Ms. Novita Ms. Dian
7	10-Jun-08	BAPPEDA Jakarta, Balaikota Blok F Mr. Ir. Sri Mahendra, MM, MT / Head of Sub division of Water, facility, and City Utilities (as Counterpart)	1. Explanation the land use planning made by BAPPEDA 2. Explanation the permit building (go to Dinas Tata Kota and P2B)	Mr.Heishi Mr. Kusakabe Mrs. Anisa
8	13-Jun-08	DPU Mr. Sulad / Head of Sub Dir. Controlling of Water management (as Counterpart)	1. Seeking information about the person who apply for JICA training course 2. little information about next Monday meeting and Spatial Planning expert from Japan	Mr.Kusakabe Mrs. Anisa
9	17-Jun-08	BBWS Ciliwung-Cisadane 1. Mr. Bastari M.Eng. / Section Head of Planning, BBWS Cil-Cis (as Counterpart) 2. Mr. Heriyanto Waluyadi, ST, MT / Principal Supervisor of Situ Rehabilitation, BBWS Cil-Cis (FT CP)	1. Asking data & map of catchment area (River Basin Management Jurisdiction) 2. Asking the data of situ	Mr. Heishi Ms. Novita
10	17-Jun-08	Bappeda DKI Jakarta	1. Discussion about Land Use map (Past,	Mr. Heishi

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Mrs.Vera Revina / Head of Sub-Division of Spatial Planning (as Counterpart)	Present and Future) 2. Ask information about the procedure of IMB (Building Permit)	Mr. Kusakabe Ms. Novita
11	19-Jun-08	BBWS Ciliwung-Cisadane Mr. Bastari, M.Eng / Section Head of Planning, BBWS Cil-Cis (as Counterpart)	1. Ask information about improvement and planning in Western Banjir Canal (WBC) 2. Give information about the changing of new BM network due to land subsidence 3. Explanation of making database inventory	Mr. Heishi Mr. Usui Ms. Novita Ms. Dian
12	23-Jun-08	Departemen PU, Bina PSDA Mr. Sulad / Head of Sub Dir. Controlling of Water Res. Management (as Counterpart)	1. Ask information about River Code 2. Ask Definition about river structures	Mr. Heishi Ms. Novita
13	23-Jun-08	Departmen PU, Dit. River, Lake and Reservoir Mr. Harmadi / Head of Sub-Dir. River, Lake & Res. and Natural Disaster Fighting, Directorate River, Lake & Reservoir (as Counterpart Coordinator)	Confirm whether O&M section will make inventory database (like Mr. Sulad output)	Mr. Heishi Ms. Anne (FT CP) Ms. Novita
14	1-Jul-08	Departemen PU, Spatial Planning Ms. Ida Ayu Gede M.A. ST, MT / Staff of Provincial Spatial Planning Management Section (as Counterpart)	1. Give itinerary of training in Tokyo 2. Explanation of Training Program briefly (condition & situation of river in Japan) 3. Ask candidate to prepare presentation for the workshop of "Comprehensive Flood Mitigation Measure"	Mr. Heishi Mr.Kusakabe Ms. Novita
15	2-Jul-08	DPU Drs. Harmadi, ST. Sp1, MT / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, Directorate River, Lake & Reservoir(as Counterpart Coordinator)	1. Inform the Progress of Training Program (attendance of Full Time Counterpart) 2. Discuss about data information (River Code), the system used, exchanging information & the format	Mr. Heishi Mr. Usui Ms. Novita
16	3-Jul-08	DPU DKI Jakarta 1. Ir. Tri Djoko S.M, ME / Section Head Water Res.Dev., Sub-Agency Technical Guidance (as Counterpart) 2. Ir. Maman Suparman,ME / Section Head of Maintenance&Water Control, Sub-Agency Water Resources Development (as Counterpart)	1. Ask 3 Municipalities to prepare detail / complete data of Pluit catchment area 2. Ask which bottle neck bridge (river) should be modeled 3. Ask information about the operation of gate & pump	Mr. Heishi Ms. Novita
17	7-Jul-08	Departemen PU, Dir. River, Lake and Reservoir Drs. Harmadi, ST. Sp1, MT. / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, Directorate River, Lake & Reservoir (as Counterpart Coordinator	1. Clarify about warning letter to Full Time CP (which intended address to the Head of Section/ Director instead of individually) 2. Inform the meeting with Bina Program, Data Information about River Code/ Database 3. Ask Department to discuss & work together w/ BBWS about additional information needed for river database	Mr. Heishi Mr.Usui Ms. Novita
18	8-Jul-08	Setia Budi Barat Pump Station Ir. Maman Suparman / Section Head of Maintenance & Water Control, Sub-Agency of Water Resources Development (as Counterpart)	1. Ask the Agency to install staff gauge there 2. Ask the BM which used for the installation 3. Discuss the format of Pump Operation & Maintenance record 4. Ask As Built Drawing of several gates (Manggarai, Karet, etc)	Mr. Heishi Ms. Novita
19	9-Jul-08	Departmen PU Mrs. Ida Ayu Gede mirah / Staff of Management of Provincial Spatial Planning Section (as Counterpart)	Ask to revise the A2A3 form	Mr. Kusakabe Mrs. Anisa
20	11-Jul-08	BBWS Ciliwung-Cisadane Mr. Bastari, M.Eng / Section Head of Planning, BBWS Cil-Cis (as Counterpart)	1. Discuss River Database (based on information from Bina Program) 2. Ask Engineer/ staff to work together in making database 3. Ask As Built Drawing (particularly	Mr. Heishi Ms. Novita

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
			improvement portion) and to do resurvey due to improvement 4. Ask Structure Organization of BBWS Cil-Cis (New Structure)	
21	15-Jul-08	DPU DKI Jakarta Ir. Maman Suparman, ME / Section Head of Maintenance & Water Control, Sub-Agency of Water Resources Development (as Counterpart)	1. Ask Water Level Record from 1992-2008 (found only from year 2004, hard copy) 2. Ask Flooding report to Governor (found only January-February 2007) 3. Discuss about flooding area/over flow around Ciliwung River	Mr. Usui Mrs. Anisa
22	7-Aug-08	Departmen PU Ir. Widagdo Dipl. HE / Director of River, Lake and Reservoir, DG. Water Resources (as Steering Committee)	1. Explain the project (including the counterpart member and activity also the output of Cideng & Pluit Report) 2. Inform about Counterpart Progress Meeting (the Director wants to invite the project from World Bank) 3. Recommendation : *Mr. Heishi* : It is better to collect/ have good quality data and to analyze the phenomenon instead of using computer software or complicated model only *Mr. Widagdo* : Dissemination of flood damages and flood mitigation to the inhabitants	Mr. Heishi Mr. Kusakabe Mr. Usui Ms.Novita
23	7-Aug-08	DPU DKI Jakarta 1. Ir. Maman Suparman / Section Head of Maintenance & Water Control, Sub-Agency of Water Res Dev (as Counterpart) 2. Mr. Eko B. Santoso / Staff of Maintenance & Water Control, Sub-Agency Water Res. Dev. (FT CP) 3. Ir. Tri Djoko / Section Head Water Control, Sub-Agency Technical Guidance Water Resources (as Counterpart)	1. Discuss the recording form for O&M (Daily pump operation record & mechanical condition report) 2. Confirm the beginning (0 point) of Ciliwung River and Cideng River 3. Mr. Tri Djoko explain and ask some information about their project of Halim Reservoir (using HEC-RAS) 4. Inform the plan of Counterpart Progress Meeting which will be held on August 21 or 22, 2008	Mr. Heishi Ms. Novita
24	11-Aug-08	DPU DKI Jakarta 1. Ir. Maman Suparman / Section Head of Maintenance & Water Control, Sub-Agency of Water Res Dev (as Counterpart) 2. Eko B. Santoso / Staff of Maintenance & Water Control, Sub-Agency Water Res. Dev. (FT CP) 3. Tri Djoko / Section Head Water Control, Sub-Agency Technical Guidance Water Resources (as Counterpart)	1. Define the river names in DKI Jurisdiction 2. Distribute the invitation letter of 21th August meeting	Mr. Heishi Ms. Novita
25	22-Sep-08	Departmen PU Drs. Harmadi, ST. Sp1, MT./ Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, Dir. River, Lake & Reservoir (as Counterpart Coordinator)	1. Inform the new members (Mr. Watanabe & Mr. Shingu) 2. Inform the workshop (on late of November) about "Run-Off Control" 3. Complain about the broken ceiling in the office (in one of the room)	Mr. Kusakabe Ms. Novita
26	23-Sep-08	Departmen PU (Director of River,Lake, and Reservoir's place) Ir. Widagdo / Director of River, Lake and Reservoir, DG. Water Resources	1. Introduce the new members (Mr. Watanabe & Mr. Shingu) 2. Request to fill the A1 Form (from Ms.Hiraoka-JICA)	Mr. Kusakabe Mr. Watanabe Mr. Shingu Mr. Yabe Ms. Hiraoka
27	26-Sep-08	DPU DKI Jakarta 1. Ir. Maman Suparman, ME / Section Head of Maintenance &Water Control, Sub-Agency Water Res. Dev. 2. Ir. Dudi Gardesi A., MUM / Section Head Restoration of Water Pollution, Sub-Agency Environmental Technique &	1. Courtessy call 2. Introducing new members (Mr. Watanabe & Mr. Shingu) 3. Ask the Main Duty and Function of the Counterpart, also the Organization Structure of Public Works Agency	Mr. Watanabe Mr. Shingu Mr. Kusakabe Ms. Novita

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Infrastructure Management		
28	10-Oct-08	DPU DKI Jakarta 1. Ir. Fakhrurrazi / Head Sub-Agency of Technical Guidance of Water Resources Development 2. Ir. Maman Suparman, ME / Section Head of Maintenance & Water Control, Sub-Agency Water Res. Dev. 3. Ika Agustin Ningrum, ST / Staff of Technical Guidance of Water Resources (FT CP) 4. Dwi Murti Nuraili, MT / Staff of Technical Guidance of Water Resources (FT CP) 5. Purwanti Suryandari, ST / Staff of Technical Guidance of Water Resources (FT CP)	1. Introduction new member and new facilitator 2. Report the progress of full time CP (submit the material of their presentation in last August 21th, meeting) 3. Confirmation about the next activity for full time CP and ask the Head of Sub-Agency to support the staffs to come continuously to the project office in Department (since their Section Heads were changed) 4. Ask the condition of Early Warning System in DPU DKI (contact person: Eko Sulistyo, Bina Pogram)	Mr. Shingu Mr. Usui Mr. Kusakabe Mr. Sarwono Ms. Novita
29	13-Oct-08	Departemen PU, Dit. River, Lake & Reservoir Drs. Harmadi / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, PU Department (coordinator of counterpart)	1. Explanation on Seminar 2. Confirm DG for the fix date of Seminar and to open the seminar	Mr. Kusakabe Mr. Usui Mr. Shingu Mr. Sarwono
30	15-Oct-08	Departmen PU Meeting Room of Dit. River, Lake & Reservoir 1. Mr. Andi / Staff of Controlling Water Resources Management (FT CP) 2. Ms. Ayu / Staff of Hydrology & Water Quality (FT CP) 3. Mrs. Ambar / Staff of Sub-Dir. Policy and Strategy (FT CP)	1. Introducing new member and facilitator 2. Explanation of the 5th activities which are going to be conducted 3. Explanation the importance of Pluit Reservoir as flood controller in Jakarta 4. Discuss the expectations of JICA Expert Team and Full Time CP for the success of technology and knowledge transferring	Mr. Shingu Mr. Usui Mr. Sarwono Ms. Novita
31	20-Oct-08	Departmen PU, Dit. River, Lake and Reservoir Drs. Harmadi / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, PU Det. (also as Coordinator Counterpart)	1. Waiting for reply from DG 2. Confirmation about the status of Mrs. Ineke as counterpart	Mr. Kusakabe Mr. Sarwono
32	31-Oct-08	DPU DKI Jakarta 1. Mr. Hendry / Staff of Maintenance&Water Control, Sub-Agency of WRD 2. Ms. Ika / Staff of Technical Guidance of Water Resources (FT CP) 3. Ms. Dwimurti / Staff of Technical Guidance of Water Resources (FT CP)	1. Introduce new Deputy Leader and Facilitator 2. Explained about the project and the progress 3. Asking to send the full time counterpart to the office 4. Inform the Seminar Program	Mr. Shingu Mr. Sarwono Ms. Novita
33	18-Nov-08	Pluit Pump Station, Cideng Pump Station, Melati Pump Station 1. Ir. Widagdo / Director of River, Lake and Reservoir 2. Drs. Harmadi / Head of Sub-Dit. O&M and Natural Disaster Fighting 3. Mr. Subarjo / Head of Section of Natural Disaster Fighting 4. Mr. Hendry / Staff of Maintenance & Water Control, Sub-Agency of WRD 5. Mr. Yos / Staff of Maintenance & Water Control, Sub-Agency of WRD	Site Inspection to Pump Stations	Mr. Shingu Mr. Usui Mr. Kusakabe Mr. Sarwono
34	4-Dec-08	Grand Melia Hotel 1. All counterpart members 2. Steering Committee 3. JICA 4. Yachiyo 5. Related Agencies	Seminar on Flood Mitigation in JABODETABEK by The Institutional Project for Flood Management in JABODETABEK (JICA-MPW Technical Cooperation Project)	All members of Project Team
35	9-11 Dec 08	Hotel Seruni, Cisarua Bogor	Attend the Workshop "Manual Operasi dan	Mr. Kusakabe

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Drs. Harmadi, ST. Sp1, MT. / Head of Sub-Dir. River, Lake & Reservoir and Natural Disaster Fighting, Dit. River, Lake &Reservoir (also as Coordinator Counterpart)	Pemeliharaan Sungai" (Workshop Counterparting for Flood Management) which held by Dit. River, Lake and Reservoir, DG. Water Resources	Mr. Usui Ms. Novita
36	6-Jan-09	Departmen PU, Dit. River, Lake and Reservoir Ir. Widagdo, Dipl.HE / Director of River, Lake and Reservoir	Consultation on Coordination Team (follow-up of the Seminar)	Mr. Watanabe Mr. Kusakabe Mr. Sarwono
37	6-Jan-09	Secretariat of Dewan SDA Ir. Imam Anshori / Secretary of National Water Resources Council of Water Resources Management	Consultation on Coordination Team (follow-up of the Seminar)	Mr. Watanabe Mr. Kusakabe Mr. Sarwono
38	8-Jan-09	Directorate Bina PSDA Ir. Sugiyanto / Director of Bina PSDA	Consultation on Coordination Team (follow-up of the Seminar) of TKPSDA WS 6 Ci	Mr. Watanabe Mr. Kusakabe Mr. Sarwono Ir. Sulad Sriharto Mrs.Nurwidiati
39	13-Jan-09	BBWS Ciliwung-Cisadane 1. Ir. Bastari, M.Eng. / Section Head of Planning, BBWS CC 2. Drs. Prayitno, MM / Head of Sub-Program of General Affair & Employee Sector, BBWS CC	1. Courtesy call (introducing Mr. Watanabe as new Team Leader) 2. Explanation the importance of the establishment of TKSPDA (Tim Koordinasi Pengelolaan Sumber Daya Air/ Coordination Team of Water Resources Management) in inter-provincials river basin 3. Checking the telemetry unit	Mr. Watanabe Mr. Kusakabe Mr. Sarwono Ms. Novita
40	20-Jan-09	Dinas SDA & P Banten Province 1. Endar Margono, ME / Secretary of the Agency 2. Drs. Suwanda, MT / Head of Technology Sector 3. Mr. Benny Benyamin / Head of River Sector 4. Mr. Djoko Suryanto, ME / Head of Balai PSDA Cidurian-Cisadane 5. Mr. H. Sumiarsa, ATP / Head of Balai PSDA Ciujung-Cidanau	1. Discussion about flood management in Banten Province (the cause, the counter-measures had been conducted, the problem of limited budget, etc) 2. Explanation the importance of the establishment of TKSPDA (Coordination Team of Water Resources Management) in Inter-Provincials River Basin 3. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 4. Ask the Secretary of Agency to encourage the staffs to involve in the project (as counterpart)	Mr. Watanabe Mr. Kusakabe Mr. Sarwono Ms. Novita
41	20-Jan-09	BAPPEDA Banten Province 1. Ir. Widodo Hadi, Sp. / Head of BAPPEDA Banten Province 2. Mr. Khairudin, ST., M.Si./ Head of Sub-Sector of Regional Infrastructure	1. Explanation the importance of the establishment of TKSPDA (Coordination Team of Water Resources Management) in Inter-Provincials River Basin 2. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 3. Ask the Head of Bappeda to encourage their staff to involve in the project (as counterpart)	Mr. Watanabe Mr. Kusakabe Mr. Sarwono Ms. Novita
42	21-Jan-09	Dinas PSDA West Java Province 1. Mr. Iding Srihadi Adiwinata, ME / Head of Water Resources Agency of West Java Province 2. Mr. Endang Kusnadi, ST., MT. / Head of Operation and Maintenance Sector	1. Discussion about flood management in West Java Province 2. Explanation the importance of the establishment of TKSPDA (Coordination Team of Water Resources Management) in Inter-Provincials River Basin 3. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 4. Ask the Head of Water Resources Agency to encourage their staff to involve	Mr. Watanabe Mr. Sarwono Ms. Novita

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
			in the project (as counterpart)	
43	21-Jan-09	BAPPEDA West Java Province 1. Prof. Dr. Ir. Denny Juanda, DEA / Head of BAPPEDA of West Java Province 2. Ir. Dicky Saromi, MSc. / Head of Structural Sector 3. Ms. Linda Al AMin, SH., MM / Head of Sub-Sector of Regional Infrastructure	1. Discussion about flood management in West Java Province 2. Explanation the importance of the establishment of TKSPDA (Coordination Team of Water Resources Management) in Inter-Provincials River Basin 3. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 4. Ask the Head of Bappeda to encourage their staff to involve in the project (as counterpart)	Mr. Watanabe Mr. Sarwono Ms. Novita
44	22-Jan-09	DPU DKI Jakarta Ir. Budi Widiantoro, MSi / Head Agency of Public Works of DKI Jakarta	1. Discussion about flood management in DKI Jakarta Province 2. Explanation the importance of the establishment of TKSPDA (Coordination Team of Water Resources Management) in Inter-Provincials River Basin 3. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 4. Report the inspection of Pluit Pump Station and Reservoir on January 14th, 2009 which conducted by the project 5. Ask the Head Agency to encourage the staffs of agency to involve in the project as counterpart.	Mr. Watanabe Mr. Usui Mr. Sarwono Ms. Novita
45	22-Jan-09	BAPPEDA DKI Jakarta 1. Mr. Andi Baso / Head of City Facility & Infrastructure and Environmental Sector 2. Ir. Hindradman / Head of Sub-Sector of Water Facility and Utility 3. Ir. Benny Agus Chandra / Head of Sub-Sector of Spatial Planning & Building System 4. Mr. Rully Irzal / Staff sub-sector of Communication, City Facility and Infrastructure and Environmental Sector	1. Courtesy call and brief explanation about the project (that BAPPEDA is also the counterpart of the project based on the Decree of Public Works Minister & Decree of Water Resources Director General) 2. Discussion about flood management in DKI Jakarta 3. Explanation the importance of the establishment of TKSPDA in Inter-Provincials River Basin 4. Inform that the project will support and assist the activity of TKPSDA (in flood management) until 2010. 5. Team Leaser asks to meet the Head of BAPPEDA DKI Jakarta	Mr. Watanabe Mr. Usui Mr. Sarwono Ms. Novita
46	27-Jan-09	BAPPEDA DKI Jakarta 1. Ir. Nurfakih Wirawan, MSp. / Head of BAPPEDA DKI Jakarta 2. Mr. Rully Irzal / Staff sub-sector of Communication, City Facility-Infrastructure and Environmental Sector	1. Explanation the importance of the establishment of TKPSDA WS Lintas Provinsi and ask the candidate for selection team from DKI Jakarta 2. Confirm that the Institutional Revitalization Project will support and assist the activity of TKPSDA WS Lintas Provinsi 3. Report the inspection of Pluit Pump Station and Reservoir on January 14th, 2009 which was conducted by the project.	Mr. Watanabe Mr. Kusakabe Mr. Usui Mr. Sarwono Ms. Novita
47	3-Feb-09	Departmen PU, Dit. River, Lake and Reservoir 1. Mr. Suhartono, ME / Head of Sub-Dit. O&M and Natural Disaster Fighting 2. Ir. Subarjo / Section Head of East Region, Dit. River, Lake and Reservoir	1. Explanation the importance of the establishment of TKPSDA WS Lintas Provinsi 2. Confirmation the planning of comparison study to Bengawan Solo regarding the establishment of TKPSDA WS 6 Ci 3. Report the inspection of Pluit Pump Station and Reservoir on January 14th, 2009 which was conducted by the project.	Mr. Kusakabe Mr.Usui Mr. Sarwono Ms. Novita
48	9-Feb-09	BBWS B. Solo, Surakarta	1. Introduction on IRPFM in Jabodetabek	Mr. Kusakabe

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		1. Ir. Graita Sutadi, MSc. / Head of BBWS B. Solo 2. Ir. Susanto/ Section Head of Data & Information, BBWS B. Solo	(JICA Project) 2. Discussion on TKPSDA WS B. Solo 3. Discussion on Secretariat of TKPSDA (experience, recommendation)	Mr. Shingu Mr. Sarwono Mrs.Nur Widayati
49	9-Feb-09	Branch Office, PJT 1 Surakarta Ir. Erwin Budoyo, MEng. / Branch Manager PJT 1 WS B. Solo	1. Introduction on IRPFM in Jabodetabek (JICA Project) 2. Discussion on Gajah Mungkur Dam	Mr. Kusakabe Mr. Shingu Mr. Sarwono Mrs.Nur Widayati
50	10-Feb-09	Dinas SDA, Central Jawa Ir. FX Pri Joewo Guntoro, DplHE, Msi / Head of Development and Technical Guidance Sector	1. Introduction on IRPFM in Jabodetabek (JICA Project) 2. Discussion on TKPSDA WS B. Solo, recommendation	Mr. Kusakabe Mr. Shingu Mr. Sarwono
51	11-Feb-09	BAPPEDA, Central Java Ir. Boedi Setyana, MSI / Head of Regional Infrastructure Sector	1. Introduction on IRPFM in Jabodetabek (JICA Project) 2. Discussion on TKPSDA WS B. Solo, recommendation	Mr. Kusakabe Mr. Shingu Mr. Sarwono
52	11-Feb-09	BWRM Project, Central Java 1. Ir. Ghozi / Co Team Leader, BWRM Central Jawa 2. Ir. Edy Riswanto,DiplHE / River Management Specialist 3. Ir. Puguh / Institutional Specialist	1. Introduction on IRPFM in Jabodetabek (JICA Project) 2. Discussion on Dewan SDA Jawa Tengah	Mr. Kusakabe Mr. Shingu Mr. Sarwono
53	18-Feb-09	Dept. PU, Meeting Room 1.Mr. Arimoto Takashiro / Senior Advisor of PT. JABABEKA Tbk. 2. Mr. Kukuh Sulaksono / Senior Manager of PT. JABABEKA Tbk. 3. Mr. Rachmat Yulianto / Estate Management Senior of PT. JABABEKA Tbk. 4. Mr. Ali / Staff of JABABEKA Tbk.	1. Explain the result of site inspection (The problem is no improvement in downstream which cause backwater to Jababeka area. So, it needs excavation or river widening) 2. The report (result of inspection was already given to the Director of River, Lake & Reservoir and The embassy of Japanese) 3. Recommend PT. JABABEKA to ask for assistance to BBWS Ciliwung-Cisadane	Mr. Shingu Mr. Usui Mr. Kusakabe MR. Sarwono Ms. Novita
54	19-Feb-09	Water Gate of Manggarai, WG of Istiqlal/ Capitol, WG of Jembatan Merah, WG of Tangki, WG of Pasar Ikan, WG of Marina 1. Eko B. Santoso / Staff of Flood Control Facility & Infrastructure Maintenance Section, Public Works Agency 2. Operators (in each gate)	Gate Inspection to know the operation of gate (operation rule, size of the gate, relation the gates, condition of the gate, maintenance, and the problem in operation)	Mr.Shingu Mr. Kusakabe Mr. Sarwono Ms. Novita
55	20-Feb-09	Water Gate of Siantar, WG of Sogo, WG of Duri 1. Eko B. Santoso / Staff of Flood Control Facility & Infrastructure Maintenance Section, Public Works Agency 2. Operators (in each gate)	Gate Inspection to know the operation of gate (operation rule, size of the gate, relation the gates, condition of the gate, maintenance, and the problem in operation)	Mr.Shingu Mr. Kusakabe Mr. Sarwono Ms. Novita
56	3-Mar-09	Departmen PU 1. Suhartono / Head of Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake & Reservoir 2. Subardjo / Section Head of East / Region, Sub - Dit. O&M and Natural Disaster Fighting 3. Firman Hutapea / Head of Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake & Res. 4. Ambar / Staff of Sub-Dit. Policy & Strategy, Dit. Programming (Full Time CP) 5. Ayu Suci / Staff of Sub-Dit. Hydrology, Dit. Water Res. Managament (Full Time CP) 6. Juniferanne / Staff of Sub-Dit.	Progress Report Meeting 3 (Full Time Counterpart) which discuss: *the explanation of project and overall project *Progress of 5th activities *Meeting agenda on March 13th, 2009 (Topics of presentation which are going to be presented by the full time counterpart members)	Mr. Watanabe Mr. Shingu Mr. Usui Mr. Kusakabe Mr. Sarwono Ms. Novita Ms. Dian Ms. Anisa

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Controling of Water Res. Management, Dit. Water Res. Management (Full Time CP) 7. Andi / Staff of Sub-Dit. Controling of Water Res. Management, Dit. Water Res. Management 8. Lufiandi / Staff of Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake & Reservoir 9. Taufan / Staff of Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake & Reservoir		
57	4-Mar-09	DPU DKI 1. Eko B. Santoso / Staff of Maintenance of Flood Controller Facility & Infrastructure Section, Public Works Agency 2. Dwi Murti, MT / Staff of Maintenance of Flood Controller Facility & Infrastructure Section, Public Works Agency	1. Give materials delivered in CP Meeting (Progress Report 3) on March 3, 2009 and give brief explanation 2. Send the invitation letter for Progress Report 3 Meeting with Steering Committee and ask the FT CP from DPU DKI to have presentation in that meeting 3. Discussion about Pluit Pump Station latest condition	Mr. Watanabe Mr. Shingu Mr. Sarwono Ms. Novita
58	5-Mar-09	Project Office, Departemen PU 1. Ambar / Staff of Sub-Dit. Policy & Strategy, Dit. Programming (Full Time CP) 2. Juniferanne / Staff of Sub-Dit. Controling of Water Res. Management, Dit. Water Res. Management (Full Time CP) 3. Ayu Suci / Staff of Sub-Dit. Hydrology, Dit. Water Res. Managament (Full Time CP)	Discussion about the materials will be presented in Progress Report 3 (with steering committee)	Mr. Shingu Mr. Sarwono
59	6-Mar-09	Project Office, Departemen PU 1. Heriantono Waluyadi / Principal Supervisor of Situ Rehabilitation (Full Time CP) 2. Andi / Staff of Sub-Dit. Controling of Water Res. Management, Dit. Water Res. Management	Discussion about the materials will be presented in Progress Report 3 (with steering committee)	Mr. Usui Mr. Sarwono
60	6-Mar-09	Spatial Planning Building, 3rd fl Ir. Firman Mulia Hutapea, Head of Sub-dit. Urban and Metropolitan Spatial Planning, DG. Spatial Planning	1. Courtesy call 2. Discussion about seminar material (JABODETABEK-PUNJUR spatial planning)	Mr. Kusakabe Mrs. Anisa
61	13-Mar-09	Meeting Room Jatiluhur, Departemen PU 1. Ir. Sugiyanto, Director of Water Resources Management, 2. Ir. Widagdo, Director of River, Lake and Reservoir, 3. Ir. Suhartono, Head of Sub-Dit. Operation & Maintenance & Natural Disaster Fighting, 4. Ir. Eko Djuli Sasongko, Head of Sub-Dit Building Codes, DG. Human Settlement 5. Ir. Firman Hutapea, Head of Sub-Dit. Urban & Metropolitan Spatial Planning, DG. Spatial Planning 6. Representative from Planning & Development Board of DKI Jakarta Province 7. Representatives from Planning & Development Board of Banten Province 8 Representatives Agency of Water Resources Management of West Java Province	Joint Coordination Committee Meeting • Presentation of Progress Report 3 • Conclusion of workshop on Dec 4th, 2008	Mr. Watanabe Mr. Kusakabe Mr. Shingu Mr. Sarwono Ms. Novita Ms. Dian

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		9. Full Time Counterparts 10. Representatives from JICA Indonesia (in total 31 participants)		
62	27-Mar-09	Situ Gintung 1. Djoko Kirmanto, Minister of Public Works 2. Iwan Nursyirwan, DG. Water Resources 3. Ir. Widagdo, Director of River, Lake and Reservoir	1. Inform the Minister that Pesanggrahan catchment area is included in Project area of The Institutional Revitalization Project for Flood Management in Jabodetabek (JICA Grant Aid Project) 2. The Minister ask JICA to consider any assistance due to the disaster	Mr. Kusakabe Mr. Baba Mr. Sarwono
63	27-Mar-09	Directorate of River, Lake and Reservoir Widagdo, Director of River, Lake & Reservoir	Exchange of information and ideas for the rehabilitation of Situ Gintung	Mr. Kusakabe Mr. Baba Mr. Ueno Mrs. Hiraoka Mr. Sarwono
64	3-Apr-09	DPU DKI Jakarta 1. Budi Widiantor, Head of DPU DKI Jakarta 2. Tarjuki, MT, Head of Water Resources Maintenance Sector	1. Answering the request from DPU DKI Jakarta for assistance of temporary repair of Pluit Pumping Station (since JICA may assist for the permanent work) 2. Confirmation the accuracy of rainfall data which published by DPU DKI Jakarta website	Mr. Kusakabe Mr. Baba Mrs. Hiraoka Mr. Sarwono Ms. Novita
64	13-Apr-09	DPU DKI Jakarta 1. Tarjuki, MT, Head of Water Resources Maintenance Sector 2. Ir. Budi Mulyanto, Head of Maintenance Section	1. Courtesy call 2. Inspection of Pluit Pump House	Mr. Oyamada Mr. Sarwono
66	14-Apr-09	DPU DKI Jakarta Mustajab, ST, Staff of Planning on Water Resources Management Section	1. Ask data of As-built drawing (cross-section) for 3 pump stations: Pluit, Cideng, Melati 2. Give form of Pluit Pump Station (detail information) to be fulfilled by Maintenance Section 3. Send invitation letter to the Head of agency, Head of Water Resources Maintenance Sector and Head of Flood Control Facility & Infrastructure Section	Ms. Novita
67	16-Apr-09	DPU DKI Jakarta Eko Budi Santoso, Staff of Flood Control Facility & Infrastructure Section	1. Ask data of As-built drawing (complete) of Pluit Pump Station 2. Ask the filled form which was given on April 14, 2009 to the Maintenance Section	Ms. Novita
68	11-May-09	Directorate of river, Lake and Reservoir 1. Ir. Widagdo, Director of River, Lake & Res. 2. Suhartono, ME, Head of Sub-Dit. O&M and Natural Disaster Fighting	Confirmation of site visit to Pluit Pumping Station on May, 13th 2009	Mr. Sarwono
69	11-May-09	DPU DKI Jakarta 1. Budi Widiantor, Head of DPU DKI Jakarta 2. Tarjuki, MT, Head of Water Resources Maintenance Sector 3. Ir. Budi Mulyanto, Head of Maintenance Section	Confirmation of site visit to Pluit Pumping Station on May, 13th 2009	Mr. Sarwono
70	13-May-09	Japanese Embassy & Pluit Pumping Station 1. Makoto IYORI, Japan Embassy 2. Chikako SADO, Japan Embassy 3. Kiichi TOMIYA, JICA 4. Kanako HIRAOKA, JICA 5. Budi, Widiantoro, Head of DPU DKI Jakarta 6. Tarjuki, MT, Head of Water Resources Maintenance Sector 7. Ir. Fakhrurrazi, Head of Technical Guidance of Water Resources	1. Presentation by Mr. Hitoshi BABA 2. Explanation by Mr. Widagdo and Mr. Budi Widiantoro	Mr. Kusakabe Mr. Baba Mr. Sarwono

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Development Sector		
71	19-May-09	Office of Secretariat of National Water Resources Council (Dewan Nasional SDA) Ir. Imam Anshori, Secretary of National Water Resources Council	1. Inform Project 6th activities 2. Discussion of run-off control, implementation of the coming seminar and expected input for TKPSDA 6 C's	Mr. Watanabe Mr. Shingu Mr. Kusakabe Mr. Sarwono
72	20-May-09	DPU DKI Jakarta 1. Budi Widiantor, Head of DPU DKI Jakarta 2. Tarjuki, MT, Head of Water Resources Maintenance Sector 3. Herning, ST, Head of Technical Guidance of Water Resources Development Section Office of Director of River, Lake and Reservoir Ir. Widagdo, Dipl. HE	1. Inform the schedule of Project 6th activities: On the Job Training Program, Workshop, Seminar and visit of JICA Mission Evaluation 2. Discussion about the plan of Pluit Pumping Station Reconstruction. JICA Experts recommend to apply Emergency Operation Rule in Pluit Pumping Station during the work in coming raining season.	Mr. Watanabe MR. Shingu Mr. Kusakabe Mr. Sarwono Ms. Novita
73	22-May-09	Jatiluhur Meeting Room, Departmen PU 1. Ir. Widgado, Dipl. HE, Director of River, Lake & Reservoir 2. Suhartono, ME, Head of Sub-dit. O&M and Natural Disaster Fighting 3. Ir. Subardjo, Head of East Region Section, Dit.O&M and Natural Disaster Fighting 4. Ir. Firman Hutapea Head of Sub-dit. Urban and Metropolitan Spatial Planning, DG. Spatial Planning 5. Ir. Leonarda, Head of Sub-dit. Hydrology 6. Ananta Bambang, Head of Sub-dit. Institutional 7. Teguh Triyono, Head of O&M Section, BBWS Cil-Cis 8. Full Time Counterparts	Counterpart Meeting: Confirmation about Project 6th Activity as the last stage In this stage there are several important activities will be conducted, such as: • On the Job Training will be held 2 times in a week to prepare the final draft of manuals and guideline. • Counterpart Meeting will be held 2 times a month to discuss the progress of OJT Program • Workshop where FT/CP's will make presentation • Seminar	Mr. Shingu Mr. Kusakabe Mr. Sarwono Ms. Novita Ms. Destri Ms. Dian Mrs. Anisa
74	2-June-09	DPU DKI Jakarta Heria Suwandi, ST Staff of Technical Guidance of Water Resources Development Section also as FT CP	1. Explain On the Job Training Program 2. Give module of training 3. Ask Mr. Heria to attend the next training	Mr. Kusakabe Mrs. Anisa
75	26-June-09	Ruang Sidang Gajah Mungkur, Departmen PU 1. Ir. Widgado, Dipl. HE, Director of River, Lake & Reservoir 2. Suhartono, ME, Head of Sub-dit. O&M and Natural Disaster Fighting 3. Ir. Subardjo, Head of East Region Section, Dit.O&M and Natural Disaster Fighting 4. Ir. Surya Dewanto, Head of West Region Section, Dit.O&M and Natural Disaster Fighting 5. Ir. Slamet Budi Santoso, Head of Sub-dit.Technical Planning 6. Ir. Eko Djuli Sasongko, Head of Sub-dit. Building Management, DG. Human Settlement 7. Lufiandi, sT, Staff of Sub-dit. O&M and Natural Disaster Fighting 8. Sutisna, ST, Sub-dit. O&M and Natural Disaster Fighting 9. Full Time Counterparts	Counterpart Coordination Meeting Agenda: A. Progress Activity * Activity Report & Schedule * Progress of each manual B. Agenda of Workshop on Flood Mitigation in Jabodetabek * Agenda * Resource Person * Invitation list * Preparation & other material C. In charge of Agency and Division for transferring data and equipment D. Progress the establishment of TKPSDA	Mr. Shingu Mr. Kusakabe Mr. Usui Mr. Yonekura Mr. Sato Mr. Imagawa
76	6-July-09	DPU DKI Jakarta Budi Widiantoro, Head of DPU DKI Jakarta	1. Confirmation that the reconstruction of East Pluit Pump Station will be started on Oct 2009	Mr. Shingu Mr. Kusakabe Ms. Hiraoka

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
			2. Recommendation that JICA will conduct survey to avoid delaying schedule 3. Submit the copy of proposal form sent by Departmen PU to BAPPENAS as a reference 4. Confirmation about dredging & DED after dredging of Pluit Reservoir 5. Confirmation about the schedule of resettlement	Mr. Sarwono Ms. Novita
77	13-July-09	Regional Planning Development Board of Banten Province (BAPPEDA Banten) Ir. Indro Sarwono, M.Sc,, Head of Sub-Sector Spatial Planning and Regional Infrastructure Water Resources & Settlement Agency of Banten (SDA & P Banten) Ir. Bai Isakandar,, Head of River & Coastal Section	Give invitation letters of workshop to the counterparts in BAPPEDA Banten and ask Mr. Indro Sarwono as resource person Give invitation letters of workshop to the counterparts in SDA & P Banten , BBWS Cidanau-Ciujung-Cidurian, Balai PSDA Ciujung-Ciliman, Balai PSDA Cidurian-Cisadane	Ms. Novita Mr. Lufiandi
78	14-July-09	Hotel Salak, Bogor 1. Ir. Subardjo Head of East Region Section, Sub-dit.O&M and Natural Disaster Fighting 2. Lufiandi, sT, Staff of Sub-dit. O&M and Natural Disaster Fighting 3. Sutisna, ST, Sub-dit. O&M and Natural Disaster Fighting	1. Survey, booking and pay down payment hotel 2. Arrange the lay out of the function hall 3. Visit Balai PSDA Jawa Barat to inform about the workshop as the nearest PU office to Hotel Salak Bogor	Mr. Shingu Mr. Sarwono Ms.Novita
79	15-July-09	Regional Planning Development Board of West Java Province (BAPPEDA Jawa Barat) Ir. Eko Priastono , Head of Sub-Sector Spatial Planning and Environment Water Resources Agency of West Java (Dinas SDA Jawa Barat) Iding Srihadi, Head of Water Resources Agency	Give invitation letters of workshop to the counterparts in BAPPEDA Jawa Barat Give invitation letters of workshop to the counterparts in Dinas SDA Jawa Barat and ask Mr. Endang Kusnadi as resource person	Ms. Novita Mr. Lufiandi
80	22-July-09	Office of Director River, Lake & Reservoir, Departmen PU 1. Ir. Widagdo, Dipl. HE, Director of River, Lake & Reservoir 2. Ir. Subardjo Head of East Region Section, Dit.O&M and Natural Disaster Fighting 3. Lufiandi, sT, Staff of Sub-dit. O&M and Natural Disaster Fighting 4. Sutisna, ST, Sub-dit. O&M and Natural Disaster Fighting	Report the progress of workshop preparation, including: *invitation (list and distributin) * presenter and resource person * presentation materials (ppt and hardcopy) * agenda	
81	29-30 July-09	Hotel Salak Bogor 1. Ir. Widgado, Dipl. HE, Director of River, Lake & Reservoir 2. Suhartono, ME, Head of Sub-dit. O&M and Natural Disaster Fighting 3. Ir. Subardjo, Head of East Region Section, Dit.O&M and Natural Disaster Fighting 4. Ir. Surya Dewanto, Head of West Region Section Dit.O&M and Natural Disaster Fightng 5. Ir. Slamet Budi Santoso, Head of Sub-dit.Technical Planning 6. Ir. Leonarda, Head of Sub-dit. Hydrology 7. Ir. Eko Djuli Sasongko, Head of	Workshop on Flood Mitigation in Jabodetabek a. Report & Objective of Workshop b. Flood Management & National Development Program Presentation and Discussion of 7 manuals & 1 guideline c. Conclusion of workshop	Mr. Shingu Mr. Kusakabe Mr. Usui Mr. Yonekura Mr. Sato Mr. Imagawa Project Staffs

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		Sub-dit. Building Management, DG. Human Settlement 8. Lufiandi, sT, Staff of Sub-dit. O&M and Natural Disaster Fighting 9. Sutisna, ST, Sub-dit. O&M and Natural Disaster Fighting 10. Full Time Counterparts And other participants from related agencies		
82	15-Sep-09	Spatial Planing Building 1. Ir. Firman Hutapea Head of Sub-dit. Urban and Metropolitan Spatial Planning, DG. Spatial Planning 2. Pilas Agita, Staff of of Sub-dit. Urban and Metropolitan Spatial Planning, DG. Spatial Planning (also as FT CP)	1. Inform about JICA Mission 2. Ask about activity related with run-off control	Mr. Kusakabe Mrs. Anisa
83	16-Sep-09	City Spatial Planning Office (Dinas Tata Kota DKI Jakarta) Mrs, Martatiningsih, Section Head in Dinas Tata Kota	Inform about JICA Mission	Mr. Kusakabe Mrs. Anisa
84	29-Sept-09	Regional Planning Development Board of West Java Province (BAPPEDA Jawa Barat) Ir. Eko Priastono , Head of Sub-Sector Saptial Planning and Environment Water Resources Agency of West Java (Dinas SDA Jawa Barat) Endang Kusnadi, Head of O&M Water Resources Sector Spatial Planning and Settlement Agency of West Java (Dinas Tata Ruang dan Permukiman Jawa Barat) Budi Budiman Wahyu, ST, Staff of Spatial Planning and Settlement Agency of West Java	Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU	Ms. Novita Ms. Novita
85	30-Sep-09	Regional Planning Development Board of Banten Province (BAPPEDA Banten) Khairuddin, M. Si, Head of Sub-Sector Water Resources Infrastructure Water Resources & Settlement Agency of Banten (SDA & P Banten) Ir. Bai Isakandar,, Head of River & Coastal Section BBWS Cidanau-Ciujung-Cidurian Iday, Staff of BBWS Cidanau-Ciujung-Cidurian	Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU Invite for Joint Coordination Meeting on Oct 7th, 2009 in Departemen PU	Ms. Novita
86	1-Oct-09	Office of DG. Water Resources 1. Iwan Nursyirwan, DG. Water Resources 2. Ir. Widagdo, Dipl. HE, Director of River, Lake and Reservoir	Courtesy call of JICA Evaluation Mission Team with DG. Water Resources and Director of River, Lake and Reservoir	Mr. Watanabe Mr. Shingu Mr. Kusakabe Mr. Tsukahara Mr. Kobayashi Ms. Akiko Mr. Sarwono
87	2-Oct-09	1. Pluit Pumping Station 2. Cideng Pumping Station 3. Melati Pumping Station 4. Manggarai Gate	Field Survey with JICA Mission	Mr. Watanabe Mr. Shingu Mr. Kusakabe Mr. Tsukahara Mr. Kobayashi Ms. Akiko Mr. Sarwono Ms. Novita

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
88	7-Oct-09	Ruang Sidang Jatiluhur, Departmen PU 1.Widagdo, Dipl. HE, Director of River, Lake, and Reservoir, DG. Water Resources, as Project Manager 2. Ir. Widodo Hadi, SP, Head of Bappeda (Regional Planning and Development Board) Banten,,as member of Coordination Team 3., Ir. Winarjono, Ces, MM, Head of Water Resources and Settlement Public Works Agency of Banten, as member of Coordination Team 4. Suhartono, ME, Head Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake, and Reservoir, DG. Water Resources, as Coordinator of Counterpart 5. Febri Iman Harta, ME Head of Sector Planning and O&M, BBWS Ciliwung-Cisadane, as Coordinator of flood control activity 6. Ir. Slamet Budi Santoso, Dipl. HE, Head of Sub-Dit. Technical Planning, Dit. River, Lake and Reservoir, as Coordinator of flood activity And other Counterparts (total 58 participants)	Joint Coordination Meeting and Signing of Minutes of Terminal Evaluation Report	Mr. Watanabe Mr. Shingu Mr. Kusakabe Mr. Tsukahara Mr. Kobayashi Ms. Akiko Mr. Sarwono Ms. Novita Ms. Dian Ms. Destri
89	22-Oct-09	Departemen PU Ir. Widagdo, Dipl. HE, Director of River, Lake and Reservoir DPU DKI Jakarta Tarjuki, MT, Head of Water Resources Maintenance Sector	Discussion the preparation of Seminar on Urban Flood Management on Nov, 23rd 2009 Inform about Seminar on Urban Flood Management on Nov, 23rd 2009	Mr. Shingu Mr. Kusakabe Mr. Sarwono Ms.Novita
90	23-Nov-10	Grand Kemang Hotel 1. Ir. Widgado, Dipl. HE, Director of River, Lake & Reservoir 2. Suhartono, ME, Head of Sub-dit. O&M and Natural Disaster Fighting 3. Ir. Subardjo, Head of East Region Section, Dit.O&M and Natural Disaster Fighting 4. Endar Margono, Secretary of Water Resources and Settlement Agency, 5. Arifin Kertayasa, Head Section of Lake and Reservoir from BBWS Citarum, 6. Eko Djuli Sasongko-Head of Sub-Dit. Building Codes, DG. Human Settlement, 7.Sulad Srihartono-Head Sub-Dit. of Controlling of Water Resources Management, 8. Budi Widiantoro-Head of Public Works Agency of DKI Jakarta 9. Sri Apriatini Director of Spatial Planning Region II, DG. Spatial Planning. 10. Makoto IYORI, Counselor of Japan Embassy 11. Kiichi TOMIYA, Deputy Resident Representative of JICA Other Provinces and Regencies Government Officers from related institutions_	Seminar on Urban Flood Management • Presentation • Panel Discussion	Mr. Shingu Mr. Kusakabe Mr. Baba Mr. Yonekura MR. Imagawa Project Staffs
91	1-Dec-09	Project Office, Departmen PU Indonesian Engineers from BBWS Solo and ITB Bandung	Transfer of knowledge about Flood Inundation Analysis Model to support River Basin Organization (RBO) activity	Mr. Yonekura Mr. Sugimura

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
92	2-Dec-09	BBWS Ciliwung-Cisadane 1. Teguh Triyono, Head of O&M Section, 2. Heru Purnomo, Fucntional Officer, also as FT CP) Engineers from BBWS Cil-Cis	Simulation of Hydrometric Observation using current meter	Mr. Sarwono Mr. Laode
93	4-Dec-09	Meeting Room Biro Keuangan, Departemen PU 1. Ayu, Sub-dit. Hydrology & Water Quality 2.Fikri, BBWS Cil-Cis 3. Kiki, Sub-dit. O&M and Natural Disaster 4. Dwimurti, DPU DKI Jakarta 5. Ambar, Sub-dit. Policy & Strategy	On the Job Training (Discussion of Manuals & Guideline)	Mr. Shingu Mr. Yonekura Mr. Sarwono Ms. Novita
94	4-Dec-09	Directorate River, Lake and Reservoir 1. Ir. Widgado, Dipl. HE, Director of River, Lake & Reservoir 2. Ir. Subardjo, Head of East Region Section, Sub-dit.O&M and Natural Disaster Fighting 3. Lufiandi, ST, Staff of Sub-dit. O&M and Natural Disaster Fighting 4. Ir. Slamet Budi Santoso, Head of Sub-dit. Technical Planning 5. Budi Widiantor, Head of DPU DKI Jakarta 6. Tarjuki, MT, Head of Water Resources Maintenance Sector	Meeting Reconstruction of Pluit Pumping Station	Mr. Shingu Mr. Sarwono Pluit Prepatory Team
95	10-Feb-2010	Meeting Room Biro Keuangan , Departemen PU 1. Heru P., BBWS Cil-Cis 2. Romelan, BBWS Cil-Cis 3. Sumarno, Sub-dit. Hydrology & Water Quality 4. Taufan, Sub-dit. O&M and Natural Disaster Fighting 5. Ambar, Sub-dit. Policy & Strategy 6. Pilas, Sub-dit. Spatial Planning Region II 7. Fikri, BBWS Cil-Cis 8. Dina, BBWS Cil-Cis 9. Lina, BBWS Cil-Cis 10. Ayu, Sub-dit. Hydrology & Water Quality	Full Time Counterpart Meeting: • Explanation of Project last activities • Discussion of finalization manuals and guideline	Mr. Shingu Mr. Sarwono Ms. Novita
96	16-Feb-2010	Situ Gintung Dam 1. Ir. Anwar, Project Manager 2. Ir. Bambang Wiyono, PPK Pengembangan Konservasi & SDA, BBWS Cil-Cis 3. Contractor and Consultant 4. Fulltime Counterparts : * Fikri, BBWS Cil-Cis * Heru Purnomo, BBWS Cil-Cis * Romelan, BBWS Cil-Cis * Hendra, Sub-dit. Technical Planning * Nila, Sub-dit. Implementer of West Region * Ayu, Sub-dit. Hydrology & Water Quality * Sumarno, Sub-dit. Hydrlogy and Water Quality * Ambar, Sub-dit. Policy & Strategy * Pilas, Sub-dit. Spatial Planning Region II	Site visit to Situ Gintung Reconstruction • Presentation by Project Manager • Discussion • Site survey	Mr. Shingu Mr. Sarwono Ms. Novita

	Date	Place of Meeting / Contact Person and Title	Topics of Discussion	JICA Experts
		* Taufan, Sub-dit. O&M and Natural Disaster Fighting		
97	18-Feb-2010	Project Office, Departemen PU 1. Hendra, Sub-dit. Technical Planning 2. Nila, Sub-dit. Implementer of West Region 3. Ambar, Sub-dit. Policy & Strategy 4. Pilas Sub-dit. Spatial Planning RegionII 5. Heru, BBWS Cil-Cis 6. Taufan, Sub-dit. O&M and Natural Disaster Fighting 7. Sumarno Sub-dit. Hydrology and Water Quality	Preparation of Workshop on Manual Finalization on 23-25Feb, 2010 and Discussion about Situ Gintung (site visit result)	Mr. Shingu Mr. Sarwono
98	23-25 Feb-2010	Yasmin Hotel & Ressort,Puncak 1. Ir. Subardjo, Head of East Region Section, Sub-dit.O&M and Natural Disaster Fighting 2. Ir. Slamet Budi Santoso, Head of Sub-dit.Technical Planning 3. Dani, ST, Staff of Sub-dit.O&M and Natural Disaster Fighting 4. Full Time Counterparts: * Fikri, BBWS Cil-Cis * Heru Purnomo, BBWS Cil-Cis * Romelan, BBWS Cil-Cis * Hendra, Sub-dit. Technical Planning * Nila, Sub-dit. Implementer of West Region * Ayu, Sub-dit. Hydrlogy and Water Quality * Sumarno, Sub-dit. Hydrlogy and Water Quality * Ambar, Sub-dit. Policy & Strategy * Pilas, Sub-dit. Spatial Planning Region II * Taufan, Sub-dit. O&M and Natural Disaster Fighting * Puji Sutarto, BBWS Cil-Cis * Lina Fitriani, BBWS Cil-Cis	Workshop on Manual(and Guideline) Finalization	Mr. Shingu Mr. Sarwono Mrs. Novita Ms. Destri
99	5-Mar-2010	Meeting Room,of DG. Water Resources Building 7th fl 1. Widagdo, Dipl. HE, Director of River, Lake and Reservoir 2. Ir. S. Budi Santoso, Head of Subdit. Technical Planning 3. Ir. Pitoyo Subandrio, Head of BBWS Ciliwung-Cisadane 4. Ir. Eko Djuli Sasongko, Head of Sub-dit. Building Management, DG. Human Settlement 5. Herning, Head Section of Water Resources Management DPU DKI Jakarta 6. Counterparts & Full Time Counterparts (in total 39 participants)	Joint Coordination Committee Meeting: Opening Address General Introduction of the Project General Review of Project Activity Activity Report Discussion Conclusion Signing of Preface of the Draft Closing Remark	Mr. Watanabe Mr. Shingu Mr. Baba Mrs. Hiraoka Mr. Sarwono Mrs. Novita Ms. Destri
100	9-Mar-2010	Hotel Mulia 1. Widagdo, Dipl. HE, Director of River, Lake and Reservoir	Final Meeting	Mr. Watanabe Mr. Shingu Mr. Sarwono Mrs. Novita

CHAPTER 3 PROJECT ACHIEVEMENT

3.1 Items of Technology Transfer

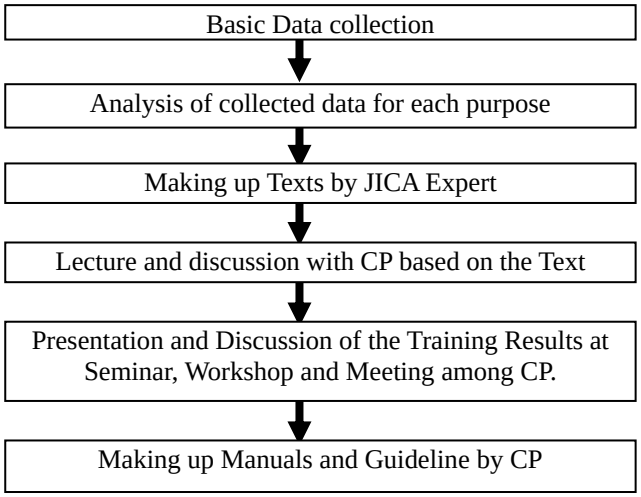
JICA technical cooperation project is aimed to transferring technology of Non-Structural Measures for flood damage mitigation to the staff of flood control concerned agencies.

As technical transfer methodology, to make up manuals and guideline for each category of non-structural measures by CP is put as final destination, and through making up manuals and guideline in collaboration with CP and JICA expert, capacity building of CP was conducted by OJT training such as lecture and discussion, presentation at seminar and workshop, site investigation. Non-structural measures studied in the Project comprised three fields, Flood Plain Management, River Management and Basin Management. Usually, when Non-structural measure is considered, only flood plain management is imaged such as Flood Alert, Warning and Evacuation, and Flood Hazard Map. In this project, not only that but operation and maintenance of river structure, furthermore, runoff control measures such as storage and infiltration facilities are included. Those are featured this project.

Items of Technical transfer are shown in Table-2.40.Area of the project is shown in Figure-2.1.

Table-3.1 Items of technology transfer for non-structural flood mitigation measures

Items of Technology Transfer	
(1)	Inventory of River and River Structure
(2)	Maintenance of River and River Structure
(3)	Evaluation for River and River Structure
(4)	Operation Manual of Gates and Pumps
(5)	Drawing up of Flood Risk Map
(6)	Post Flood Survey
(7)	Flood Alert
(8)	Runoff Control



Fgiure-3.1 Methodology of Technology Transfer

3.2 Contents, Period and Condition of Technical Transfer

Contents, Period and Condition of Technical Transfer concerning 8 items are summarized in Table-3.2 to Table-3.9.

Table-3.2 Contents of Technical Transfer (1/8)

ITEM	Inventory of rivers and river structures
OUTPUT	Output 1) Data processing system for the flood control in the JABDETABEK is established.
PURPOSE	To make plan and implement construction of flood control facilities, it is essential to grasp the location of river structures and those figures. And also it is important to keep the data of location and dimension of river facilities. In this technical transfer, how to investigate the facilities and how to keep dada are discussed. And inventory form of river and river structure are discussed and proposed. In this activity, Location, dimension of river system and river structures and farm pond are investigated in Ciliwung River Basin.
CONTENTS	Contents of technical transfer are follows, ①Site investigation ②Survey of river and river structures to grasp the dimension and elevation Bench Mark, Cross section survey, profile survey of river ③Form of inventory sheet Target river facilities are as follows, ・ Location of rivers and river structures ・ River list ・ Gate list ・ Pump station list ・ Revetment structure
PERIOD	May 2007 ～ Feb 2010
CONDITION	Conditions of Technical transfer are as follows, ① The data of rivers, drains in the Ciliwung river basin were collected by the Team through OJT process. ② Form of inventory data base were prepared and compiled. ③ Text for Inventory of rivers and river structures were prepared by JICA expert and give JOT according to it. ④ Manual were prepared by CP through OJT training. ⑤ Result of OJT were presented at Seminar and Workshop ⑥ Text and Manuals were disseminated to other counterparts and agencies through Workshop and JCC meeting. ⑦ Data base were prepared.

Table-3.3 Contents of Technical Transfer (2/8)

ITEM	Maintenance for Rivers and River Structures
PROJECT OUTPUT	Output 1) Organizations related to the flood control improve their ability for the management of the river and the operation of drainage structures. Output 2) Data processing system for the flood control in the JABDETABEK is established.
PURPOSE	Purpose of this activity is to conduct technical transfer concerning to procedure and methodology of maintenance work. In the Ciliwung River Basin, a multitude of river infrastructures such as revetments, gate facilities and pump stations, etc, are accumulated along the river. Most of these infrastructures were degraded the function due to a long time being passed from the construction. And such river structures were broken or out of ordered by the flood and leave as it were. It is considered that such structures seem to be over durable time, and reconstructions are required. However, it takes long time and huge budget to reconstruct aging structures. And aging structures will be expected to be increased from now to the future. Therefore, it is crucial to maintain existing river structures and keep its functions for a long time as far as possible to mitigate flood damage by taking responsible actions. To carry out such actions, it is also essential to prepare the guideline or manual which describes standard maintenance work procedure.
CONTENTS	Contents of technical transfer are as follows, ①Procedure of Patrol and Inspection ②Frequency of Inspection ③Urgency of maintenance ④Classification of maintenance work ⑤Maintenance of river and channel ⑥Maintenance of river structure
PERIOD	May 2007 ～ Feb 2010
CONDITION	Conditions of Technical transfer are as follows, ① Procedure of Patrol and Inspection were prepared. ② Inspection of Gate and Pump facility were conducted during OJT process. ③ Inspections of river condition were conducted during OJT process. ④ Text for Maintenance Manual was prepared by JICA expert. ⑤ CP training based on Manual was conducted. ⑥ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑦ Indonesian version Manual was made up by C/P. ⑧ However actual maintenance work for the structure can not be implemented.

Table-3.4 Contents of Technical Transfer (3/8)

ITEM	Evaluation of River and River structure
PROJECT OUTPUT	Output 1) Organizations related to the flood control improve their ability for the management of the river and the operation of drainage structures. Output 2) Data processing system for the flood control in the JABDETABEK is established.
PURPOSE	Purpose of this activity is to transfer technology of analysis and evaluation method of rivers and river structures. To formulate flood control plan, analysis and evaluation of rivers and capacity of river structures is essential technology. In this item, A explanation about the technical methods and standard basic idea for evaluating the river flow capacity and pump drainage capacity are conducted. And also calculation by computer was carried out with CP.
ACTIVITY	Contents of technical transfer are as follows, ①Flood analysis ・ Rational formula ・ Hydrograph ②Rainfall analysis ・ Rainfall observation station and rainfall data arrangement ・ Annual maximum rainfall ・ Probable rainfall ・ Rainfall intensity curve formula ③Evaluation of river flow capacity ・ Methodology of flow capacity calculation ・ Non-uniform flow calculation ・ H-Q curve ・ Figure of flow capacity ④Evaluation of pump drainage capacity ・ Making up inflow hydrograph ・ Pump capacity and operation rule ⑤Unsteady flow calculation
PERIOD	May 2007 ～ Feb 2010
CONDITION	Conditions of Technical transfer are as follows, ① Method of flood analysis and making up hydrograph were transferred through OJT. ② Rainfall analysis, Annual Maximum rainfall, Probable rainfall and rainfall intensity curve were analyzed through OJT. ③ Non-uniform flow calculations were conducted through OJT. ④ Evaluation of pump capacity and unsteady flow calculation were conducted. ⑤ Text for Maintenance Manual was prepared by JICA expert. ⑥ CP training based on Manual was conducted. ⑦ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑧ Indonesian version Manual was made up by C/P.

Table-3.5 Contents of Technical Transfer (4/8)

ITEM	Operation of Gates and Pumps
PROJECT OUTPUT	Output 1) Organizations related to the flood control improve their ability for the management of the river and the operation of drainage structures. Output 2) Data processing system for the flood control in the JABDETABEK is established.
PURPOSE	Purpose of this technology transfer is to grasp the current situation of Pumps and Gates and to verify actual operation to study effectiveness of operation and propose optimum operation of gates and pumps in Ciliwung River area.
CONTENTS	Contents of technology transfer are as follows, ①To grasp the system of flood control in Ciliwung river. ②Gate Operation ・ Drainage system in lowland ・ Operation of Tidal Gate ・ Operation of Flow Control Gate ③Pump Operation ・ Outline of Pump Station ・ Operation of Pluit Pump Station ・ Operation of Cideng Pump Station ・ Operation of Melati Pump Station ④Evaluation of Pump Station ⑤Inspection ・ Inspection of Gates ・ Inspection of Pump Station
PERIOD	May 2007 ～ Feb 2010
CONDITION	Conditions of technology transfer were as follows, ① Outline of river system in Ciliwung river basin was analyzed by site investigation and collected documents through OJT ② System of Gates and Pumps was investigated through site vists. ③ Operation rules of Gates and Pump were confirmed and analyzed. ④ Condition of Gates and pump were inspected with CP. ⑤ Text for Maintenance Manual was prepared by JICA expert. ⑥ CP training based on Manual was conducted. ⑦ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑧ Indonesian version Manual was made up by C/P. ⑨ However, renovation and reconstruction of the facilities are being carried out. Thus, review of the study and manuals are required.

Table-3.6 Contents of Technical Transfer (5/8)

ITEM	Drawing up of Flood Risk Map
PROJECT OUTPUT	Output 2) Data processing system for the flood control in the JABDETABEK is established. Output 3) Flood information system for smooth evacuation is established.
PUPOSE	This activity aims to showing procedure of drawing up of Flood Risk Map on the areas expected to be inundated (Probable Flood Area), which will be contributed to formulate Flood Hazard Map and warning and evacuation in Ciliwung River Basin. And also flood and inundation simulation model built up in this activity is transferred technology and hand over to CP with program and software.
CONTENTS	Contents of technology transfer are as follow, ①Preparation of Inundation Model ➢ Collection and Arrangement of the Documents and Data ➢ Feature Analysis of Flooding Basin ➢ Basic Structure of Flood Inundation Model ➢ Rainfall Model,River Course Model,Basin Discharge Model,Inundation Area Model ②Establishment of Comprehensive Flood Analysis Model ③Flood Risk Map ➢ Development of the Flood Risk Map ➢ Delineation of the Inundation area by Each Depth ➢ Drawing up Flood Risk Map ④Flood discharge at Ciliwung river
PERIOD	May 2007～Feb 2010
CONDITION	Condition of technical transfer are as follows, ① Ground elevation were surveyed and corrected for simulation ② Rainfall data for simulation were arranged. ③ Inundation simulation model were prepared. ④ Comprehensive flood analysis model were established ⑤ Simulation model was verified with past flood. ⑥ Hydrograph of Depok and Manggarai were produced. ⑦ Map of flood inundation area were produced. ⑧ Text for Post Flood Survey Manual was prepared by JICA expert. ⑨ CP training based on Manual was conducted. ⑩ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑪ Indonesian version Manual was made up by C/P through C/P training.

Table-3.7 Contents of Technical Transfer (6/8)

ITEM	Post flood survey
PROJECT OUTPUT	Output 2) Data processing system for the flood control in the JABDETABEK is established. Output 3) Flood information system for smooth evacuation is established.
PURPOSE	Purpose of Activity is as fllows. In order to mitigate the flood damage in the basin, it is important to grasp the causes of the flood damages, and prepare and implement the appropriate countermeasures. Objective of the post flood survey is to collect and keep the data and information of the actual flood to facilitate further study, planning, designing and programming of the flood mitigation works. In general, data and information required to prepare an appropriate flood mitigation plan.
CONTENTS	Contents of this activity are shown below, ①To identify existing system of Hydrological observation ➢ Real-time monitoring station ➢ Water level monitoring station ➢ Early flood warning system ➢ Flood monitoring station ②Collection, Arrangement and Keeping of Hydrological data ③To conduct Flood inundation survey and verify flood alert water level.
PERIOD	May 2007 ～ Feb 2010
CONDITION	Condition of technical transfer are as follows, ① Location and condition of Hydrological observation station was investigated and compiled. ② Procedure of collection, arrangement and keeping of hydrological data were discussed and prepared through OJT. ③ Past inundation were investigated and prepared inundation Map through OJT. ④ Procedures and organizations for flood fighting activity were investigated and complied. ⑤ Text for Post Flood Survey Manual was prepared by JICA expert. ⑥ CP training based on Manual was conducted. ⑦ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑧ Indonesian version Manual was made up by C/P through C/P training.

Table-3.8 Contents of Technical Transfer (7/8)

ITEM	Flood alert
PROJECT OUTPUT	Output 3) Flood information system for smooth evacuation is established.
PURPOSE	As the countermeasure for the flood, usually two methods are considered. One is the flood control that is carried on by the river structures such as flood control reservoirs, river improvement, and flood way, and pump/gate etc; those are so called structural-measures. Another is the non-structural measure such as information dissemination concerning flood for contribution to resident evacuation. Although safety degree against flood can be upgraded by the structural measures, it cannot attain absolute reliability. Therefore, it is conceived to be one of essential measure to mitigate flood damage potential by means of establishing flood alert system which makes residents evacuate from crisis situation of flooding.
CONTENTS	Contents of Technical transfer are as follows, ①To identify present condition of flood alert water level ②To analyze and propose revised flood alert water level ➢ Estimation of Flood Risk Water Level ・ Flood risk water level of each river cross section ・ Equivalent flood risk water level at Flood Observation Station ・ Estimation Process using existing data ・ Setting of Flood Risk Water Level ➢ Evaluation of Water level ・ Definition of water level for evacuation and setting procedure ・ Water level observation and flood risk water level ・ Characteristics analysis of flood(water level rising speed) ・ Lead time ・ Estimation of Evacuation Water Level
PERIOD	May 2007 ～ Feb 2010
CONDITION	Conditions of technology transfer were as follows, ① Present flood alert water levels and systems of warning and evacuation were collected and analyzed through OJT. ② Procedures of flood risk water level were prepared by JICA expert. ③ Text for Flood Alert Manual was prepared by JICA expert. ④ CP training based on Manual was conducted. ⑤ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop ⑥ Indonesian version Manual was made up by C/P.

Table-3.9 Contents of Technical Transfer (8/8)

ITEM	Runoff Control
PROJECT OUTPUT	Output 4) Problems concerning the runoff increase are presented, and the organizations related to the flood control improve their ability to prevent the runoff control.
PURPOSE	Runoff control is the one of flood control measures aiming to restrain discharge to the river by storing rainfall temporally in the basin. Rivers in the remarkable urbanization areas, retention and retarding function in the basin by nature has been deteriorating / decreasing, on the other hand flood damage potential has been increasing due to the accumulation of population and industries. Under those kinds of situations, to increase the safety degree against flood, river improvement such as embankment of dike and construction of flood control basin are required to promote strongly, as well as runoff control facilities such as storm water detention pond and rainwater storage and infiltration facilities are required to conserve and restore water retention and retarding function. Though the river improvement is constrained by economical and environmental restriction, on the other hand runoff control facilities have merits as follows, _ Storage and Infiltration facilities can be utilized existing and developing premises. _ Installation of the facilities are relatively easy to construct. _ Effectiveness of the runoff control is brought out immediately.
CONTENTS	Contents of technology transfer are as follow, ①Category and Type of Runoff Control facility ②Function and effectiveness of rainfall storage and infiltration facility ③Runoff Control Planning ④Installation of storage facility ⑤Review of runoff control in Pesangrahan river ⑥Applicability of comprehensive flood control in JABDETABEK ⑦Regulation of runoff increase
PERIOD	May 2007～Feb 2010
CONDITION	Condition of technical transfer are as follows, ① Runoff control facility constructed in Indonesia was investigated. ② Land use change of past, present and future were analyzed. ③ Problems for runoff increase were analyzed. ④ Text for Runoff Control Manual was prepared by JICA expert. ⑤ CP training based on Manual was conducted. ⑥ Presentation and discussion among C/P was made at C/P meeting and JCC meeting and Seminar and Workshop. ⑦ Indonesian version Manual was made up by C/P through C/P training.

3.3 Achievement of Output, by PDM's Classification

3.3.1 Implementation Process

< March 2007 – October 2008>

- During this period, collections of hydrological dada and survey of rivers and river structures were conducted.
- And also land use analysis was conducted.
- Inventory survey of river and river structures was done.
- However one and half year from the beginning of the project, unexpected time was spent for data collection and analysis, resulting in half year delayed behind schedule. Reasons are as follows,

① A lot of agencies were involved for data collection. And the data were not arranged well that it took time to verify and rearrange data.
② Due to subsidence, elevation of ground and structures were so changed that elevation survey had to be done for analysis of flooding and flow capacity.

<September 2008 – March 2009>

- During this period, most of hydrological data were collected by last activity, so various flood analysis were conducted. And before rainy season of 2008/2009, some extents of results of flood analysis were made up by the Project.
- Seminar of flood mitigation in JABODETABEK was taken placed for presentation of the activity of Project and share common perceptions among flood control concerned agencies for flood situation in JABODETABEK, and facilitate coordination for flood mitigation.
- Draft Tests for manuals were made up during rainy season in 2008/2009 and presented it at Join Coordination Committee Meeting by Counterparts.

<May 2009 – July 2009>

- As the result of presentation of Texts for manuals on last March, Indonesian side increased counterparts from 10 to 23 due to recognition of importance of Project activities.
- Manuals which have to be formulated account 7 manuals and 1Guideline. Thus, counterparts are classified into 4 groups based on their routine works and give responsibility to each groups making up 2 manuals respectively. OJT training was conducted based on groups.
- During May 2009 – July 2009, intensive OJT training was conducted to finalize Texts for Manuals by the end of July 2009. And workshop was taken placed on 29-30 July 2009 to present Texts and discuss contents among counterparts and related agencies. Finally, Texts for Manuals were completed and transferred technology to other related agencies.

<August 2009 – March 2010>

- During this period, OJT training for deepening understandings of technology described in Texts were conducted to make up Manuals and Guideline. Finally, Manuals and Guideline ware formulated at Workshop which was taken placed on 23-25 Feb 2010 by counterparts.
- And during rainy season of 2009/2010, Team has a plan to very manuals at flooding. However no flood occurred in this period.
- On 23 Nov 2009, Seminar of Urban Flood Control was taken placed to share common among related agencies for runoff control.

<General Overview>

As a whole, despite the delay behind schedule at the beginning of the project, after strong initiative of PM of Indonesian side brought out, project purpose was almost achieved due to counterparts tackled activities energetically. However, adaptability of manuals cannot be verified, thus, counterparts are expected to continue activities to confirm adaptability of manuals at flood in future.

3.3.2 Achievement for Project Purpose

Overall Goal

Non-structural flood mitigation measures are planned and implemented to reduce flood damage in JABODETABEK.

Achievement of overall goal will be attained after implementation of non-structural measures described in Manuals and Guideline by Indonesian flood control concerned agencies. Though manuals formulated by project is for Ciliwung river basin, it was obtained approval by Director general of DGWR and Director of river, lakes and reservoirs and strong will of horizontal development to other flood control related agencies include local governments are confirmed. Thus, achievement for overall goal is expected to be attained after actually non structural measures are implemented.

Project Purpose

Institutional capability for flood mitigation in JABODETABEK is improved by taking non-structural measures.

Concerning all technology items transferred, manuals and guideline were prepared by counterparts. At the process of preparation, counterparts were caught on basic technology of non-structural measures. And through seminar and workshop, necessity and facilitation of non-structural measures were shared common perspectives among related agencies. Establishment of river basin council was adopted on panel discussion. Institutional capability will be attain after flood risk map and flood alert are actually applied for warning and evacuation of residents. And also operation of gates and pumps are applied. Usually, manuals for flooding are studied by use of experienced flood. However, it shall be verified on coming flood and revised to confirm adaptability of manuals by Indonesian side.

3.3.3 Achievement of outputs

Achievements of the expected output are as follows:

(1) Output 1 and Output 2

Output 1: Organizations related to the flood control improve their ability for the management of the river and the operation of the drainage structures.
Output 2: Data processing system for the flood control in the JABODETABEK is established.

Output 1 and 2 aim at the improvement of institutional river management capability for flood control and reduce flood damage in the JABODETABEK. Throughout the project activities, the Indonesia site has shown its understanding of the importance of proper management and operation of river management facilities in organizational management system. Therefore, they show the strong will to develop a policy for it in hereafter.
All the drafted manuals were prepared by CP on Feb 2010. And during the flood season of 2008 and 2009, the team planed to check the operation ability of the manuals and revise them. However, there were no floods to check operation ability.

Table-3.10 Achievement by PDM classification (1/3)

Objectively Verifiable Indicators for output 1 and 2	Status as of March 2010
1) Collected inventory of rivers, drains, river basin structures	➢ The data of rivers, drains, and river basin structures in the pilot areas were collected by the teams though OTJ process. ➢ The drafts of inventories were prepared. ➢ Those were compiled in to 'Text for Manual for Inventory of Rivers and River Structures and Text for Maintenance Manual on River Structures". ➢ And Draft Manuals and Guideline was prepared by CP on Feb 2010 and issued.
2) Clarification of flow capacity of rivers	➢ Analysis of flood discharge and flood capacity of the river channel was conducted ➢ It was complied in to "Text for Manual of River Facility Evaluation". ➢ And Draft Manual was prepared by CP on Feb 2010 and issued.
3) Clarification of flood mechanism	➢ The team assessed the capacity of river channels and drainages and finds the shortage of flow capacity. ➢ Moreover, due to the accumulation of garbage and sand, it was found that the capacity of river was reduced. ➢ The Team came across with the improper operation and maintenance of facilities. ➢ "Text for Manual for Inventory of River and River Structures and Text for Maintenance Manual on River Structures" and "Text for Operation Manual n Gates and Pump" were prepared. ➢ And Draft Manual was prepared by CP on Feb 2010 and issued.
4) Manuals for the management of rivers ant the operation of drainage.	➢ Present operation of gates and pumps were analyzed and proposed appropriate operations. ➢ "Text for Operation Manual on Gates and Pumps" and, "Manual for Operation and Maintenance for Rivers and Drainage" were scheduled to be revised through an operation check in coming flood season. However it can not be done due to no flood. ➢ Draft manual were prepared by CP on Feb 2010 and issued

(2) Output 3

Output 3: Flood information system fir the smooth evacuation is established.

Output 3 aimed at capacity building of staff of flood concerned agencies by means of preparing standard flood alert, flood risk map and hazard map. Data and information for smooth evacuation were collected and properly organized. Based on them, the Team prepared the runoff model, overall model and flood risk map. The discharge and water level measurement was also conducted and the criteria for the alert operation were revised. All these activities were implemented by the Team through OJT process and completed.

Table-3.11 Achievement by PDM classification (2/3)

Objectively Verifiable Indicators for Output 3	Status as of March 2010
1) Collected hydrological data	➢ All the data of rain-gauge stations and flood capacity stations in Ciliwung River were collected and analyzed. ➢ It was compiled into "Text for Manual of River Facility Evaluation" and "Text for Manual for Post Flood Survey". ➢ And Manuals were prepared by CP on 2010 and issued.
2) Runoff model	➢ Changes of land use basin were surveyed and analyzed by GIS, and were used for runoff model in "Text for Manual of Drawing up Probable Flood Area". ➢ And Draft Manual was prepared by CP on Feb 2010 and issued.
3) Comprehensive flood control model	➢ Ground elevation survey of Ciliwung River was conducted by GPS. ➢ Comprehensive flood control model was prepared. ➢ It compiled into "Text for Manual of Drawing up Probable Flood Area". ➢ Draft Manual was prepared by CP on Feb 2010 and issued.
4) Flood risk map	➢ In Ciliwung River, yearly probable rainfall was calculated ➢ And the revised flood risk map was proposed. It compiled into "Text for Manual of Drawing up Probable Flood Area" and sample of Hazard Map was prepared. ➢ Draft Manual was prepared by CP on Feb 2010.
5) Revised criteria for alert operation	➢ In Ciliwung River, flood capacity and water level were analyzed and proposed. ➢ Revised criteria for alert operation in "Text for Flood Alert Manual". Draft Manual was prepared by CP on Feb 2010.

(3) Output 4

Output 4: Problems concerning the runoff increase presented, and the organizations related to the flood control improve therir ability to prevent the runoff increase.

The issues related to prevent runoff increase have been presented and capability of the agencies that play critical roles in runoff increase is improving. The team facilitated a bond coordination system among related agencies at the seminar which was held on 23 November, 2009. However, the coordination with the city planning department has not be yet established. JICA team ask CP to continue CP this activity to establish coordination council for runoff control among related agencies.

Table-3.12 Achievement by PDM classification (3/3)

Objectively Verifiable Indicators for Output 4	Status as of March 2010
1) Start of activities to prevent runoff increase in the organization concerned.	➢ Renovation of Reservoirs was started. ➢ Draft of "Text for Runoff Control Guideline" completed. The issues have been presented, though the coordination with the city planning agency has not be stable established yet. ➢ Draft guideline was prepared by CP on Feb 2010.
2) Proposed preventive measure for runoff increase	➢ As mentioned above, renovation of Reservoirs was proposed. ➢ And more various options were presented in "Text for Runoff Control Guideline" and Draft Manual.
3) Others	➢ The coverage of flooding areas were identified ➢ Expansion of flooding areas due to the basin development activities was found. ➢ Necessity of runoff control was confirmed at seminar and workshop.

CHAPTER 4 EFFORTS FOR MANAGEING PROJECT, LESSON AND LEARNED

To enhance efficiency of the project and expand activity by themselves, below items were conducted.

(1) Achievement of Project Purpose by means of Public-Private Cooperation

It was required to implement both policy and technology in parallel to achieve project purpose. Though there are some unclear responsible tasks between long term expert from public and short term expert from private on TOR, this technical cooperation project were implemented as policy making and external negotiation were main tasks of long term expert, and making manuals and guideline were tasks of short term experts.

Results from public-private joint, coordination with other long term experts who were dispatched for other projects were facilitated, consequently joint seminar by joint hosting and horizontal development of flood simulation technology was carried out. From Indonesian government, project got good evaluation that wide ranging of works was implemented by collaboration with public who have a good grasp of policy and private who have technology.

Discussion with public and private was conducted in equal footing, as the result advantage and shortage could be covered each other. As the direction for future foreign project, it is recommended to carry out by joint coordination with public and private, furthermore academic expert. During the project activities, Japanese professor came to Jakarta to investigate the problems of river garbage. Project team discussed with professor and gave documents related to river garbage.

As the lessen, role and task of public and privates shall be cleared on TOR.

(2) Publication of Newsletter of the Project

To familiarize the project activities to the agencies concerned, newsletters ware published and distributed to counterpart agencies designated and concerned division, persons.

As the contents of newsletter, normal meeting, seminar, workshop and field investigation was picked up. And name of the Fulltime CP was placed on newsletter to be proud of being a Counterpart of the project. Newsletters were mostly distributed at Seminar, Workshop, various Meeting. .

As the result, perceptions of project activities were enhanced, and information at troubles related to flood control were brought given to the project immediately to ask support to settle the problems.
As the lessen, technical cooperation project is needed to be known activities from related agencies. So persistent information activities to related agencies is required such as newsletter distribution described activities.

(3) Employment of Facilitator

To promote project efficiently, it is crucial to employ person who knows well system of PU and be abele to make good relation with staff of PU. And communication by Indonesian language is also important. To realize that, Project team employed one OB of PU as a facilitator to make good relation with counterparts and their agencies. And project asks facilitator to be coordinator and communicator and an interpreter at OJT training.

As the results, comprehension of fulltime counterparts was deepened and they have interested in technology of the activities, and came to the project office often to get information of technology. Consequently, promotion of the project became good condition.

As the lessen, at the beginning of the project, due to the absence facilitator, communication Indonesian side and JICA experts was not well. On Netherlands project, local facilitator activated vigorously. In the future, to promote this kind of project smoothly, it is recommended to employ competent local facilitator.

(4) Grouping of Counterparts for Manuals and Guideline

As the result of good evaluation of the 2008 activities from Indonesian side, Fulltime Counterparts increased from 10 persons in FY 2008 to 23 persons from various agencies concerned from FY 2009. To transfer technology of each item efficiently, counterparts are classified into 4 groups, and each group was responsibility for making up two (2) manuals or guideline. Member of CP in each Groups were selected according to their works at PU as far as possible.

As the result of grouping, CP competed their achievement among groups for finalization of Manuals and Guideline.

As the lesson and learned, it is recommended to make device that counterparts compete their achievement.

(5) Effective utilization of Seminar and Workshop

To disseminate the activity of the project and to promote coordination among flood control concerned agencies toward flood mitigation, 2 times of Seminars and 2 times of workshop were taken placed. Seminars also were used for dissemination of project activity to related agencies. At workshop, CP presented and discussed their training results among CP of other group to transfer technology with each other.

As the lesson, it is important to hold seminar or workshop from time to time to summarize technology transfer.

In case that CP is not belong exclusively for the project, it is very difficult to work together. However, in Indonesia, it is a little easy to participate training program such as workshop and seminar conducted at outside of Jakarta. So it is recommended to make plan of workshop to conduct intensive training of technology transfer. And close relationship among CP participated from different division and JICA Experts was created as an unexpected result.

(6) Making up Texts for Each Manuals and Guideline

It is important to make items of transferred technology systematic to conduct CP training effectively. Texts for Manuals and Guideline were prepared in advance by JICA Experts. At the stage of making up Texts, data collection and analysis was made with CP, and lectures were given to CP on each technical aspect by once per two weeks. After completion of Tests, CP training was conducted once a week for each group based on Text. These Texts and Guideline were used effectively for CP to making up Manuals and Guideline by themselves.

As the lesson, to carry out technology transfer corresponding to the progress of project activities, it might be a possibility that CP can not grasp the goals of the project due to lack perception of their termination. Therefore, it is one of the methods to make Texts in advance to enhance CP motivation. And CP studied and prepared their presentation documents in advance and came to the training.

CHAPTER 5 RECOMMENDATION ON FLOOD MANAGEMENT IN INDONESIA

(1) Background

In Indonesia, there is a great deal of natural disaster that an earthquake, a volcanic eruption, a debris flow and a flood bring. The flood disasters occur in anywhere of the country in every year, and bring immeasurable damages to the socio-economy of the country. To cope with the flood disasters, the central government and the local government are carrying out the flood control projects (Hard Measures for Flood Management) such as flood control dams, river course improvement and drainage pump projects which reduce the damage brought by such flood disasters, paralleled with Soft Measures for Flood Management, and to protect human life and the assets of the river basin.

On the other hand, population and many assets are concentrated in the river basin by the urbanization that recent economic development brings. Furthermore, this urbanization changes a form of the land use and changes it into the situation that is easy to generate a flood. For example, in Ciliwung River Basin (537km^2, a part of the Project Area), the present rate of urbanized area is about 50%, but 30% in 20 years ago, and it is foreseen with about around 70% afterward in 20 years. By this urbanization, the peak discharge of flood can be estimated that about 10% increase every 20 years. This means that flood peak discharge in the basin become larger year by year because the agricultural lands with the flood control function are made residential lands.

Under the situation mentioned above, Hard Measures do not always solve the flood issues because the construction of the hard-measures is not implemented on schedule due to the budgetary allocation and social problems. On this occasion, effective implementation of Soft Measures is very important. Therefore, this Project (The Institutional Revitalization Project for Flood Management in JABODETABEC) has been implemented targeting the “Improvement of Institutional Capabilities for Flood Mitigation in JABODETABEK”. Project outputs are as follows.

OUTPUT – 1: Improvement of O&M (operation and maintenance) Ability of River and Drainage for the Organizations Related to the Flood Management

OUTPUT – 2: Establishment of Data Processing System for the Flood Management

OUTPUT – 3: Establishment of Flood Information System for Smooth Evacuation

OUTPUT – 4: Presentation of Problems concerning Runoff Increase and Improvement of Ability to Prevent Runoff Increase for the Organizations Related to the Flood Management

These outputs were achieved through the preparation process of six manuals (for OUTPUT-1 to OUTPUT-3) and one guideline (OUTPUT-4). These manuals and the guideline were prepared by collaboration with the 23 full-time counterparts and 39 part-time counterparts under the guidance of Japanese experts. It is recommendable that these manuals and the guideline are convenient for the practical use.

(2) Proposal

On the basis of an above-mentioned background, the Project proposes the following actions (particularly regarding soft measures) to the organizations related to the flood management in Indonesia.

①Practice of Soft Measures Application Based on the Manuals

As the manuals were prepared for the application to the flood management in JABODETABEK, the related organizations in JABODETABEK should utilize them practically through the vertical development (senior manager → intermediate manager → person in charge).

To raise the effectiveness of the practical use, it is necessary to exchange information and opinion in any occasion (or periodic meeting for presenting research papers) among the organizations related to flood management in the JABODETABEC.

②Update and Revision of the Manuals

If the up-date and revision of the manuals are necessary in the practical use, they should be up-dated and revised with the agreement of the associated organizations at the periodical meeting.

③Horizontal Development of the Manuals

From the viewpoint of flood management, it seems that there are similar river basins in Indonesian which resembles the Jakarta metropolitan area apart from basin population and assets. Although the manuals were prepared for JABODETABEC, they can be applied to the similar basin if the necessary revisions will be made according to the characteristic of each basin. It is necessary to show (or advertise) the existence of the Manuals to the local organizations related to the flood management to promote such horizontal development.

④Establishment of System for Runoff Increase Prevention in Basin

About the system for the runoff increase prevention in basin, the system preparation is still under way. This project studied the system and identified the related issues, and finally presented a guideline. It will be more important in future to establish the system for runoff increase prevention in basin by the cooperation between the organization responsible for river management and the organization responsible for urban planning. An appropriate administrative guidance to the residential land developers and the re-practical use of the existing SITU (agricultural pond) are future problems. Establishment of the administrative system is also important as a future problem.

⑤Structural Measures

In JABPDETABEK, absolute lack of flood control facilities is the most cause of flooding, thus, structural measures such as river widening, drainage pumps and gates are crucial to develop. Installment of tidal gates with drainage pump is also indispensable to develop due to the affection of regional subsidence. Fundamental structural measures and facility constructions are expected.

ATTACHMENT

ATTACHMENT – 1:

STUDY TIME SCHEDULE

ATTACHMENT 1

Table-A.1 Study Time Schedule (1/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Activity Period				1th				2nd						3rd						4th					5th									6th							
First preparation work in Japan																																								
[1-1]	Data and Information Collection and Analysis	Plan																																						
		Actual																																						
[1-2]	Study on Implementation Policy, Contents and Methodology	Plan																																						
		Actual																																						
[1-3]	Preparation of Inception Report (IC/R) and Plan of Operation on Technology	Plan																																						
		Actual																																						
First Activity in Indonesia																																								
[2-1]	Meeting on Inception Report	Plan																																						
		Actual																																						
[2-2]	Collection and Analysis of Relevant Data and Materials	Plan																																						
		Actual																																						
[2-3]	Field Reconnaissance	Plan																																						
		Actual																																						
[2-4]	Formulation of Total Implementation Plan	Plan																																						
		Actual																																						
[2-5]	Preparation of Completion Report on First Year	Plan																																						
		Actual																																						
Second Activities in Indonesia																																								
[3-1]	Workshop on the Project	Plan																																						
		Actual																																						
[3-2]	Data Collection and Arrangement for Inventory Database	Plan																																						
		Actual																																						
[3-3]	Leveling and Cross-sectional Survey	Plan																																						
		Actual																																						
[3-4]	Arrangement of Existing Digital Maps	Plan																																						
		Actual																																						

Table-A.1 Study Time Schedule (2/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			1
Activity Period				1th				2nd						3rd						4th					5th									6th						
[3-5]	Establishment of One Dimensional Flow Model																																						
1)	Review of Tidal Data	Plan																																					
		Actual																																					
2)	Rainfall Analysis	Plan																																					
		Actual																																					
3)	Establishment of One Dimensional Flow Model	Plan																																					
		Actual																																					
[3-6]	Establishment of Two Dimensional Inundation Model	Plan																																					
		Actual																																					
[3-7]	Study on Policy of Runoff Control Measures	Plan																																					
		Actual																																					
[3-8]	Establishment of Runoff Model	Plan																																					
		Actual																																					
[3-9]	Establishment of Comprehensive Flood Analysis Mode	Plan																																					
		Actual																																					
[3-10]	Preparation and Discussion of Progress Report I	Plan																																					
		Actual																																					
Second Works in Japan																																							
[4-1]	Explanation of Progress Report I and Reporting of Project Progress	Plan																																					
		Actual																																					
Third activities in Indonesia																																							
[5-1]	Implementation of Post Flood Survey																																						
1)	Preparation of Post Flood Survey and Workshop	Plan																																					
		Actual																																					
2)	Execution of Discharge Observation	Plan																																					
		Actual																																					
3)	Survey on Operation and Damage Condition of Structures	Plan																																					
		Actual																																					

Table-A.1 Study Time Schedule (3/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			1
[5-2]	Implementation of Additional Survey	Plan																																					
		Actual																																					
[5-3]	Review of Comprehensive Flood Analysis Model and Estimation of Flow Capacity	Plan																																					
		Actual																																					
[5-4]	Flood Inundation Survey																																						
1)	Preparation of Manual on Flood Inundation Survey and Workshop	Plan																																					
		Actual																																					
2)	Implementation of Flood Inundation Survey	Plan																																					
		Actual																																					
[5-5]	Preparation and Discussion of Progress Report 2	Plan																																					
		Actual																																					
Third Works in Japan																																							
[6-1]	Explanation of Progress Report 2 and Reporting of Project Progress	Plan																																					
		Actual																																					
Forth Activities in Indonesia																																							
[7-1]	Preparation of Inventory Database	Plan																																					
		Actual																																					
[7-2]	Preparation of Report on Post Flood Survey and Workshop	Plan																																					
		Actual																																					
[7-3]	Study on Maintenance Problems of Rivers and Structures and Preparation of Maintenance Manual (Draft)	Plan																																					
		Actual																																					
[7-4]	Preparation of Report on Flood Inundation Survey and Workshop	Plan																																					
		Actual																																					
[7-5]	Inundation Simulation and Review of Comprehensive Flood Analysis Mode	Plan																																					
		Actual																																					
[7-6]	Modeling of Future Land Use Condition	Plan																																					
		Actual																																					
[7-7]	Comparison of Runoff Discharge Corresponding to Land Use and Preparation of Report	Plan																																					
		Actual																																					

Table-A.1 Study Time Schedule (4/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			1
[7-8]	Workshop on Runoff Control Measures and Decision on Basic Policy on Runoff Control Measures	Plan																																						
		Actual																																						
Fifth Activities in Indonesia																																								
[8-1]	Modification of Inventory Database for Rivers and Structures	Plan																																						
		Actual																																						
[8-2]	Study on Optimum Operation of Gates and Pumps and Preparation of Operation Manual (Draft)	Plan																																						
		Actual																																						
[8-3]	Post Flood Survey																																							
1)	Revision of Manual on Post Flood Survey and Workshop	Plan																																						
		Actual																																						
2)	Execution of Discharge Observation	Plan																																						
		Actual																																						
3)	Implementation of Post Flood Survey	Plan																																						
		Actual																																						
[8-4]	Execution of Additional Survey	Plan																																						
		Actual																																						
[8-5]	Study on Flood Risk Maps and Alert Water Level and Preparation of Manual on Flood Information Dissemination	Plan																																						
		Actual																																						
[8-6]	Flood Inundation Survey																																							
1)	Revision of Manual on Flood Inundation Survey	Plan																																						
		Actual																																						
2)	Implementation of Flood Inundation Survey	Plan																																						
		Actual																																						
[8-7]	Study on Runoff Control Measures and Preparation of Report	Plan																																						
		Actual																																						
[8-8]	Preparation and Discussion of Progress Report 3	Plan																																						
		Actual																																						

Table-A.1 Study Time Schedule (5/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12			1
Forth Works in Japan																																							
[9-1]	Explanation of Progress Report 3 and Reporting of Project Progress	Plan																																					
		Actual																																					
Sixth Activities in Indonesia																																							
[10-1]	Review of Comprehensive Flood Analysis Model	Plan																																					
		Actual																																					
[10-2]	Preparation Post Flood Survey Report and Workshop	Plan																																					
		Actual																																					
[10-3]	Study on Maintenance Problems and Revision of Maintenance Manua	Plan																																					
		Actual																																					
[10-4]	Study on Operational Problems and Revision of Operation Manual	Plan																																					
		Actual																																					
[10-5]	Modification of Inventory Database for Rivers and Structures	Plan																																					
		Actual																																					
[10-6]	Study on Implementation Evaluation of Maintenance Manual																																						
1)	Implementation Evaluation and Preparation of Maintenance Manual	Plan																																					
		Actual																																					
2)	Workshop	Plan																																					
		Actual																																					
[10-7]	Study on Implementation Evaluation of Operation Manual																																						
1)	Implementation Evaluation and Preparation of Operation Manual	Plan																																					
		Actual																																					
2)	Workshop	Plan																																					
		Actual																																					
[10-8]	Preparation of Comprehensive Flood Analysis Model 2009/201(	Plan																																					
		Actual																																					
[10-9]	Preparation of Flood Inundation Survey Report and Workshop	Plan																																					
		Actual																																					

Table-A.1 Study Time Schedule (6/6)

Work Item			FY2006		FY 2007												FY 2008												FY 2009											
			2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
[10-10]	Review of Flood Risk Maps and Alert Water Level	Plan																																						
		Actual																																						
[10-11]	Preparation of Manual on Flood Information Disseminatior	Plan																																						
		Actual																																						
[10-12]	Study on Implementation Evaluation of Manual on Flood Information																																							
1)	Implementation Evaluation and Preparation of Manual 2009/2010	Plan																																						
		Actual																																						
2)	Workshop	Plan																																						
		Actual																																						
[10-13]	Study on Hydrological Network and Recommendations	Plan																																						
		Actual																																						
[10-14]	Study on Institutional Problems of Runoff Control Measures	Plan																																						
		Actual																																						
[10-15]	Preparation of Guidelines on Runoff Control Measures and Workshop	Plan																																						
		Actual																																						
[10-16]	Preparation and Discussion of Draft Final Report	Plan																																						
		Actual																																						
Works in Japan																																								
[10-17]	Reporting and Completion of Final Report	Plan																																						
		Actual																																						

ATTACHMENT – 2:

LIST OF COUNTERPARTS AND AGENCIES

Attachment - 2

List of Counterpart 2007			
No.	**Name**	**Function**	**Status**
A	**Counterpart Coordinator**		
1	Ir. Sulad Sriharto, Dipl. HE	Head of Sub-Directorate of O&M	Coordinator of
		River, Lake and Reservoir	Counterpart
		Dir. of Guidance of Water	
		Resources Development,	
		Dir. Gen. of Water Resources	
2	Ir. Slamet Budi Santoso, Dipl.HE	Head of Sub-Directorate of	Coordinator for the
		Technical Planning	activity of flood
		Dir. of River, Lake and Resources	Management and
		Dir. Gen. of Water Resources	hydrology
3	Ir. Lila Noerhayati	Head of Sub-Directorate of Spatial	Coordinator for spatial
		Planning Province & Regency	planning activity
		Dir. Spatial Planning Area II,	
		Dir. Gen. of Spatial Planning	
4	Ir. Joesair Lubis, CES	Head of Sub-Dit. of Building	Coordinator for
		Construction, Dir. Building and	Environment drainage
		environment Management	and building codes
			activity
5	Ir. Hari Suprayogi, M. Eng	Head of Division of Planning and	Coordinator for flood
		O&M BBWS Ciliwung-Cisadane	control activity
B	**Member of Counterpart Team**		
	Dit. Gen. Water Resources		
	▪ Dit. of Water Resources Management		
1	Ir. Heru Setiawan M. Eng	Head of Section East Area, Sub-Dit	Member
		O&M river, Lake and Reservoir	
2	Gatut Bayuadji, S. Sii, MT	Staff of Sub.Dit. O&M River, Lake	Member
		and Reservoir	
3	Maria Ulfa Permatasari, ST	Staff of Sub.Dit. O&M River, Lake	Member
		and Reservoir	
4	Didi Junaedi, BE	Staff of Sub.Dit. O&M River, Lake	Member
		and Reservoir	
	▪ Dit. River, Lake & Reservoir		

1	Ir. Anggia Satrini, M Eng	Head of Section East Area of Technical Planning	Member
2	Surendro Andi Wibowo, ST	Staff Sub.Dir Technical Planning	Member
	▪ BBWS Ciliwung - Cisadane		
1	Ir. Putu Wirawan	Head Section of Planning	Member
2	Dina Noviadriana, ST., MT	Staff of Commitment Maker Functionary for Eastern Banjir Canal	Member
3	Fikri Abdurachman, ST	Staff of Conservation Development of Water Resources	Member
	▪ BBWS Cidanau - Ciujung - Cidurian		
1	Imam Budiman, BE, SP, M.Si	Head of Section of Lake&Reservoir Implementation in Water Implementer Network Sector	Member
2	Dedi Mashudi, ST	Staff of Commitment Maker nary for River&Coast Implementation	Member
3	Budi Muhidin Budiana, ST	Staff of Planning and Programming	Member
	▪ BBWS Citarum		
1	Arifin Kertayasa, ST	Head of Section Lake and Reservoir Implemenation	Member
	Dit.Gen Cipta Karya		
	▪ Directorate of Building and Construction		
1	Ir. RG. Eko Djuli Sasongko, MM	Head of Section of Building Construction Area II	Member
2	Rogydesa, ST	Staff of Sub-Dir. Building Construction Area II	Member
	▪ Directorate of Sanitation of Environment and Settlement Development		
1	Ir. Tulus R. Suhandono, MM	Head of Section of Operation Technical Guidance	Member
	Dit. Gen. of Spatial Planning		
	▪ Directorate. Spatial Planning Area II		
1	Reny Windyawati, ST, M.Sc	Head of Section Management of Metropolitan Spatial Planning	Member
2	Ida Ayu Gede Mirah ST,MT	Staff of Management Province	Member

		Spatial Planning Section	
3	Andri Hari Rochayanto, ST	Staff of Management of Metropolitan	Member
		Spatial Planning Section	
4	Liza Soraya Kusumadevi , ST	Staff of Management of Regency	Member
		Spatial Planning Section	
	▪ **Public Work Agency of DKI**		
1	Ir. Tri Djoko S.M., ME	Head of section of Water Resources	Member
		Development, Sub-Agency of	
		Water Resources and Coastal Dev.	
2	Ir. Dudi Gardesi Asikin, MUM	Head of Section Restoration of	Member
		Water Pollution, Sub-Agency	
		Environmental Technique and	
		Facility Management	
	▪ **Agency of Water Resources Development of West Java**		
1	Ir. Eman Sulaeman, ME	Head of Section Flood and Dryness	Member
		Control of Sub-Agency O&M	
2	Ir. Jajat Sudrajat, M. Si.	Head of Section of Control and	Member
		Securing of Water Resources Dev.	
		Office Ciliwung-Cisadane	
	▪ **Public Work Agency of Banten**		
1	H. Djoko Suryanto, ME	Head of Water Resour. Dev. Office	Member
		River Area Cidurian-Cisadane	
2	H. Bai Iskandar, ATP. MM.	Head of Section of River & Coast	Member
	▪ **Regional Development Board of DKI Jakarta**		
1	Ir. Vera Revina Sari, M. Eng	Sub-Head of Spatial Planning &	Member
		Construction Management	
2	Ir. Sri Mahendra, MM, MT.	Sub-Head of Water, Facility and	Member
		Urban Utility	
	▪ **Regional Development Board of West Java**		
1	Ir. H. Djoddy Budhie Akbar, MT	Sub-Head of Area Infrasructure	Member
		on Spatial Planning & Environmental	

	▪ **Regional Development Board of Banten**		
1	Ir. Indro Sarwono, M.Sc	Sub-Head of Area Facility Sector	Member
2	Khairuddin, ST, M. Si	Sub-Head of Water Resources Facility Sector	Member
	Agency of Spatial Planning and Settlement of West Java		
1	Ir. Rudi Mahmud Zafrullah,MSP,ST	Sub-Head of Area Spatial Planning	Member
2	Budi Budiman Wahyu, ST, MT	Staff of Sub-Agency Settlement Planning Section	Member
	Agency of City Planning DKI Jakarta		
1	Ir. Izhar Chaidir, MA	Head of Section Planning of Urban Space Structure, Sub-Agency Study of Urban Space Structure	Member
2	Ir. Akstiaji Wibowo Astoto	Head of Section Green-Open Space & Water Management, Sub-Agency Planning of Urban Facility and Infrastructure	Member
C	**Full time Counterpart Member**		
	Dit. Of Programming, Dir. Gen. Water Resources		
1	Isnaeni Murdi Hartanto, ST	Staff of Sub. Dir. Policy & Strategy	Member
2	Kalmah, ST.	Staff of Sub. Dir. Work Performance Evaluation	Member
	Center of Expertise Management and Construction (BKPSDM)		
1	Juniferanne Natalina Brahmana, S.Psi	Staff of Expertise Management and Construction Technique BPKSDM	Member
	Agency of Public Work DKI Jakarta		
1	Ika Agustin Ningrum, ST	Staff of Sub-Agency of Technical Guidance of Water Resources	Member
2	Astrid Marzia Damayanti, ST	Staff of Sub-Agency Programming	Member

List of Counterpart 2008

No.	Name	Function	Status
A	Counterpart Coordinator		
1	Drs. Harmadi, ST, Sp1, MT	Head of Sub-Dir. River, Lake and Reservoir & Natural Disaster Fighting Dit. River, Lake and Reservoir, Dit.Gen. Water Resources	Coordinator of Counterpart
2	Ir. Leonarda B. Ibnu Said, M.Eng	Head of Sub-Dir. Hydrology, Dit. Water Resources Development	Coordinator for hydrology activity
3	Ir. Slamet Budi Santoso, Dipl. HE	Head of Sub-Dir. Technical Planning, Dit. Of River, Lake and Reservoir	Coordinator for flood management activity
4	Ir. Firman Mulia Hutapea, MUM	Head of Sub-Dir. Spatial Planning Programming & Dir. Spatial Planning Area II, Dit. Gen. Spatial Planning	Coordinator for spatial planning activity
5	Ir. Sumirat, MM	Head of Sub-Dit Building Construction Dir. Planning of Construction & Environment, Dit. Gen Cipta Karya	Coordinator for Environment drainage building codes activity
6	Febri Iman Harta, ME	Head of Section of Planning and O & M, BBWS Ciliwung-Cisadane	Coordinator for flood control activity
B	**Member of Counterpart Team**		
	Dit. Gen Water Resources		
	▪ Directorate Water Resources Management		
1	Ir. Sulad Sriharto, Dipl. HE	Head of Sub-Dir. Of Controlling of Water Resources Management Dir. Water Resources Management	Member
2	Gatut Bayuadji, S. Si, MT.	Head of Section Hydrology, Dit Water Resources Management	Member
3		Head of Section West Area, Sub-dit. River Area Planning	Member
	▪ Directorate of River, Lake and Reservoir		
1	Anggia Satriani, M. Eng	Section Head of east Area, Sub-dit. Technical Planning	Member
2	Ir. Surya Dewanto	Section Head of WestArea, sub-dit. O&M, River,Lake and Reservoir	Member

	▪ **BBWS Ciliwung - Cisadane**		
1	Ir. Bastari, MT	Head Section of Planning	Member
2	Dina Noviadriana, ST, MT	Staf of Commitment Maker Functionary Of Eastern Banjir Canal	Member
3	Fikri Abdurrachman, ST	Staff of Development and Conservation Of Water Resources	Member
	▪ **BBWS Cidanau - Ciujung - Cidurian**		
1	Imam Budiman, BE, SP, M.Si	Head of Section of Lake&Reservoir in Water Implementation Network Sector	Member
2	Dedi Mashudi, ST	Staf of Commitment Maker Functionary for River&Coast Implementation	Member
3	Budi Muhibudin Budiana, ST	Staff of Planning and Programming	Member
	▪ **BBWS Citarum**		
1	Arifin Kertayasa, ST	Head of Section Lake and Reservoir Implementation	Member
	Ditjen Cipta Karya (Human Settlement)		
	▪ **Directorate of Construction & Environment Management**		
1	Ir. RG. Eko Djuli Sasongko MM	Head of Section of Building Construction Area II	Member
2	Rogydesa, ST	Staff of Sub-Dir. Building Construction Area II	Member
	▪ **Directorate of Sanitation of Environment and Settlement Development**		
1	R.G. Hari Susanto	Section Head of Operation Technical Guidance	Member
	Dit. Gen. of Spatial Planning		
1	Reny Windyawati, ST, M.Sc	Head of Section Management of Metropolitan Spatial Planning	Member
2	Ida Ayu Gede Mirah Arnadi, ST, MT	Staff of Management Province Spatial Planning Section	Member
3	Liza Soraya Kusumadevi , ST	Staff of Management of Regency Spatial Planning Section	Member
	▪ **Public Work Agency of DKI**		

1	Ir. Tri Djoko S.M., ME	Head of section of Water Resources Development, Sub-Agency of Water Resources and Coastal Dev.	Member
2	Ir. Dudi Gardesi Asikin, MUM	Head of Section Restoration of Water Pollution, Sub-Agency Environmental Technique and Facility Management	Member
3	Ir. Maman Suparman, ME	Head of Section of Maintenance and Water Control, Sub-Agency of Water Resources Development .	Member
	▪ **Agency of Water Resources Development of West Java**		
1	Ir. Eman Sulaeman, ME	Head of Section Flood and Drought Control of Sub-Agency O&M	Member
2	Ir. Jajat Sudrajat, M. Si.	Head of Section of Control and Protection of Water Resources Dev. Balai PSDA Ciliwung-Cisadane	Member
	▪ **Public Work Agency of Banten**		
1	H. Djoko Suryanto, ME	Head of Water Resource Development Balai PSDA Cidurian-Cisadane	Member
2	H. Bai Iskandar, ATP. MM.	Head of Section of River & Coastal	Member
	▪**Regional Planning and Development Board of DKI Jakarta**		
1	Ir. Sri Mahendra, MM, MT	Sub Head of Water Management, Facility, and ciy utilities	Member
2	Ir. Vera Revina Sari, M. Eng	Sub Head of Spatial planning and construction	Member
	Regional Development Board of West Java		
1	Ir. Djoddy Budhie Akbar, MT	Head of Sub-sector Regional Infrastructure	Member
	▪ **Regional Development Board of Banten**		
1	Ir. Indro Sarwono, M.Sc	Sub-Head of Area Facility Sector	Member
2	Khairuddin, ST, M. Si	Sub-Head of Water Resources Facility Sector	Member
	Agency of Spatial Planning and Settlement of West Java		
1			Member

2			Member
	Agency of City Planning DKI Jakarta		
1	I Ketut Dharmika, BAP	Section Head of Green-Open Space &	Member
		Water Municipal, Sub-Agency Planning	
		of City Facility & Infrastructure	
2	Desy Meilayanti ST., MT.	Section Head of *P* and *PPK* Sub-Agency	Member
		of Infrastructure Management	
C	**Full time Counterpart Member**		
	Dir. Of Programming, Dir. Gen. Water Resources		
1	Isnaeni Murdi Hartanto, ST	Staff of Sub. Dir. Policy & Strategy	Member
2	Kalmah, ST.	Staff of Sub. Dir. Work Performance	Member
			Evaluation
	Agency of Public Work DKI Jakarta		
1	Ika Agustin Ningrum, ST	Staff of Sub-Agency of Technical	Member
		Guidance of Water Resources	
2	Dwi Murti Nuraili, MT.	Staff of Sub-Agency of Technical	Member
		Guidance of Water Resources	
3	Eko B. Santoso	Staff of Maintenance and Water Control	Member
		Sub-Agency of Water Resources Dev.	
4	Purwanti Suryandari	Staff of Sub-Agency of Technical	Member
		Guidance of Water Resources	
	Dir. of Water Resources Development		
1	Juniferanne N. Brahmana, S. Psi	Staff of Sub-Dir. Controlling of Water	Member
		Resources Management	
2	Andi Widiyanto, ST.	Staff of Sub-Dir. Controlling of Water	Member
		Resources Management	
	BBWS Ciliwung-Cisadane		
1	Heriyanto Waluyadi, ST, MT	Principal Supervisor of Situ Rehabilitation	Member
	Dir. River, Lake & Reservoir, Dir. Gen. Water Resources		

1	Inneke Dwi Wahyuni, ST.	Staff of Sub-Dir. Conservation & Dam	Member
		Dir. River, Lake and Reservoir	

List of Counterpart 2009 - 2010			
No.	**Name**	**Function**	**Status**
A	**Counterpart Coordinator**		
1	Suhartono, ME	Head of Sub-Dir. River, Lake and	Coordinator of
		Reservoir & Natural Disaster Fighting	Counterpart
		Dir. River, Lake and Reservoir,	
		Dir.Gen. Water Resources	
2	Ir. Leonarda B. Ibnu Said, M.Eng	Head of Sub-Dir. Hydrology,	Coordinator for
		Dir. Water Resources Development	hydrology activity
3	Ir. Slamet Budi Santoso, Dipl. HE	Head of Sub-Dir. Technical Planning,	Coordinator for flood
		Dir. Of River, Lake and Reservoir	management activity
4	Ir. Firman Mulia Hutapea, MUM	Head of Sub-Dir. Spatial Planning	Coordinator for
		Programming and Dit Spatial Planning	Spatial planning
		Area II, Dir. Gen. Spatial Planning	activity
5	Ir. Eko Djuli Sasongko	Head of Sub-Dir. Bulding Construction,	Coordinator for
		Dir. Planning of Construction &	Environment drainage
		Environment, Dir. Gen Cipta Karya	building codes activity
6	Febri Iman Harta, ME	Head of Section of Planning and	Coordinator for flood
		O & M, BBWS Ciliwung-Cisadane	control activity
B	**Member of Counterpart Team**		
	Dit. Gen Water Resources		
	▪ Direactorate. Water Resources Management		
1	Ir. Sulad Sriharto, Dipl. HE	Head of Sub-Dir. Of Controlling of	Member
		Water Resources Management	
		Dir. Water Resources Management	
2	Gatut Bayuadji, S. Si, MT.	Head of Section Hydrology, Dir. Water	Member
		Resources Management	
	▪ Directorate of River, Lake and Reservoir		
1	Anggia Satriani, M. Eng	Section Head of east Area, Sub-dit. Technical Planning	Member
2	Ir. Surya Dewanto	Section Head of WestArea, sub-dit. O&M, River,Lake and Reservoir	Member

	▪ BBWS Ciliwung - Cisadane		
1	Ir. Susiolawati, MT	Head Section of Planning	Member
2	Dina Noviadriana, ST, MT	Staff of Technical Implementer, Commitment Maker of Flood Safety and River Improvement	Member
3	Fikri Abdurrachman, ST	Main Supervisor in Situ Gintung Dam Reconstruction	Member
	▪ BBWS Cidanau - Ciujung - Cidurian		
1	Imam Budiman, BE, SP, M.Si	Head of Section of Lake&Reservoir in Water Implementation Network Sector	Member
2	Dedi Mashudi, ST	Staff Commitment Maker Functionary for River & Coast Implementation	Member
3	Budi Muhibudin Budiana, ST	Staff of Planning and Programming	Member
	▪ BBWS Citarum		
1	Arifin Kertayasa, ST	Head of Section Lake and Reservoir Implementation	Member
	DG. Cipta Karya (Human Settlement)		
	▪ Directorate of Construction & Environment Management		
1	Ir. Kartoko	Head of Section of Building Construction Area II	Member
2	Rogydesa, ST	Staff of Sub-Dir. Building Construction Area II	Member
	▪ Directorate of Sanitation of Environment and Settlement Development		
1	R.G. Hari Susanto	Section Head of Operation Technical Guidance	Member
	Dir. Gen. of Spatial Planning		
1	Reny Windyawati, ST, M.Sc	Head of Section Management of Metropolitan Spatial Planning	Member
3	Liza Soraya Kusumadevi , ST	Staff of Management of Regency Spatial Planning Section	Member
	▪ Public Work Agency of DKI		
1	Herning Wahyuningsih, MSc	Head of Implementation & Controlling of Flood Control Facility Section	Member

2	Ir. Budi Mulyanto	Head of Maintenance of Conservation And Utilization of Water Resources Facility & Infrastructure Section	Member
3	Ir. Dudi Gardesi Asikin, MUM	Head of Planning of Water Resources Maintenance Section	Member
	▪ **Agency of Water Resources Development of West Java**		
1	Endang Kusnadi, MT	Head of Operation and Maintenance Sector	Member
2		Head of Section of Control and Protection of Water Resources Dev. Balai PSDA Ciliwung-Cisadane	Member
	▪ **Public Work Agency of Banten**		
1	H. Djoko Suryanto, ME	Head of Water Resource Development Balai PSDA Cidurian-Cisadane	Member
2	H. Bai Iskandar, ATP. MM.	Head of Section of River & Coastal	Member
	▪**Regional Planning and Development Board of DKI Jakarta**		
1	Ir. Beny Agus Chandra	Head of Sub-sector Spatial Planning and construction	Member
2	Ir. Hendradman Dewantoro, MM	Sub Head of Spatial planning and Construction	Member
	Regional Development Board of West Java		
1	Eko Priastono, ST, MPPM	Head of Sub-sector Spatial Planning and Environmental	Member
2	Linda Al-Amin, SH, MM	Head of Sub-sector Regional Infrastructure	Member
	▪ **Regional Development Board of Banten**		
1	Ir. Indro Sarwono, M.Sc	Head of Sub-sector Area Facility	Member
2	Khairuddin, ST, M. Si	Head of Sub-sector Water Resources Facility	Member
	Agency of Spatial Planning and Settlement of West Java		
1	Ir. Rudi Mahmud, MSP, MT	Head of Sub-sector Regional Spatial Planning	Member

2	Budi Budiman Wahyu, ST, MT	Staff of Settlement Sector	Member
	Agency of City Planning DKI Jakarta		
1		Head of Green-Open Space & Water	Member
		Municipal, Sub-Agency Planning Section	
		of City Facility & Infrastructure	
2	Yanuar Riady	Head of Section Maker and Guidance	Member
		Of Working Program, Sub-Agency	
		Programming	
C	**Full time Counterpart Member**		
	Dit. Programming, DG. Water Resources		
1	Ambar Puspitosari, ST	Staff of Sub. Dir. Policy & Strategy	Member
	Agency of Public Work DKI Jakarta		
1	Heria Suwandi	Staff of Implementation & Controlling	Member
		of Flood Control Facility Section	
2	Dwi Murti Nuraili, MT.	Staff of Implementation & Controlling	Member
		of Flood Control Facility Section	
3	Eko B. Santoso	Staff of Maintenance of Conservation	Member
		And Utilization of Water Resources	
		Facility	
4	Purwanti Suryandari	Staff of Implementation & Controlling	Member
		of Flood Control Facility Section	
5	Mariana, ST	Staff of Maintenance of Conservation	
		of Flood Control Facility Section	
	Dit. of Water Resources Development		
1	Juniferanne N. Brahmana, S. Psi	Staff of Sub-Dir. Controlling of Water	Member
		Resources Management	
2	Andi Widiyanto, ST.	Staff of Sub-Dir. Controlling of Water	Member
		Resources Management	
3	Ayu Suci Wijayanti, ST	Staff of Sub-dit. Hydrology and Water	
		Quality	
4	Sumarno, ST	Staff of Sub-dit. Hydrology and Water	
		Quality	
	BBWS Ciliwung-Cisadane		

1	Heriyantono Waluyadi, ST, MT	Principal Supervisor of Situ Rehabilitation	Member
2	Fikri Abdurahman, ST	Supervisor, Commitment Maker Official of East Banjir Canal	Member
3	Dina Noviadriana, ST. MT	Head of Section River and Coastal Implementation, Sector Water Resources Implementation	Member
4	Heru Purnomo	Functional Official of Municipal Irrigation Engineering	Member
5	Lina Fitriani, ST	Staff of Technical Implementer, Commitment Maker Official of Flood Safety and River Development	Member
6	Puji Sutarto, SST. MT	Head of Sub-Division Programming	Member
7	Pujiono, ST	Principal Supervisor	Member
8	Ir. Romelan	Functional Official of Municipal Irrigation Engineering	Member
	Dit. River, Lake & Reservoir, Dit. Gen. Water Resources		
1	Hendra Ramadhani, ST	Staff of Sub-Dit. Technical Planning	Member
2	Kiki Marina Murdiani, AMD	Staff of Sub-Dit. Operation & Maintenance and Natural Disaster Fighting	Member
3	Nila Aliefila Fadli, ST. MT.	Staff of Sub-Dit. Management of West Region Implementer	Member
4	Taufan Andrianto, ST	Staff of Sub-Dit. Operation & Maintenance and Natural Disaster Fighting	Member

ATTACHMENT – 3:

MINUTES OF
JOIN COORDINATION COMMITTEE (JCC) MEETING

ATTACHMENT 3-1	JCC Meeting on March 30th, 2007
ATTACHMENT 3-2	JCC Meeting on December 18th, 2007
ATTACHMENT 3-3	JCC Meeting on February, 29th 2008
ATTACHMENT 3-4	JCC Meeting on March 13th, 2009
ATTACHMENT 3-5	JCC Meeting on October 7th, 2009
ATTACHMENT 3-6	JCC Meeting on March 5, 2010

ATTACHMENT 3-1

MINUTES OF MEETING
FOR
JOINT COORDINATION COMMITTEE
ON
THE INCEPTION REPORT
FOR
THE INSTITUTIONAL REVITALIZATION PROJECT FOR FLOOD MANAGEMENT IN JABODETABEK
IN
THE REPUBLIC OF INDONESIA

AGREED UPON BETWEEN

MINISTRY OF PUBLIC WORKS
AND
JAPAN INTERNATIONAL COOPERATION AGENCY

Jakarta, March 30, 2007

Ir. Siswoko, Dipl. HE
Director General of Water Resources
Ministry of Public Works
Indonesia

Mr. Susumu HEISHI
Leader
Japanese Experts Team
Japan International Cooperation Agency
Japan

Mr. Satoru MIMURA
Leader
Advisory Mission
Japan International Cooperation Agency
Japan

In accordance with the Record of Discussions (R/D) between the Governments of Japan and Indonesia dated on October 19, 2006 on the Institutional Revitalization Project for Flood Management in JABODETABEK (the Project), the Joint Coordination Committee (JCC) meeting on the Inception Report was held on March 30, 2007. Function and composition of the Joint Coordination Committee specified in the R/D are shown in the Attachment-1.

The meeting was chaired by Ir. Imam Anshori, Director of Water Resources Management, on behalf of Director General of Water Resources, Ministry of Public Works. The participants of the meeting are listed on the Attachment-2.

After the opening remarks by Ir. Imam Anshori, Mr. Satoru MIMURA, Leader of the Advisory Mission by Japan International Cooperation Agency (JICA), explained the outline of the project. Then Mr. Susumu HEISHI, Leader of the Japanese Experts Team, followed the explanation of the plan of operation of the project. After the explanations, the participants exchanged views and had discussions for the successful implementation of the project.

Through the meeting, JCC agreed with the contents of the Inception Report with the following notes:

(1) It is effective and efficient to implement the non-structural measures in addition to the structural ones in order to mitigate the flood damaged in JABODETABEK. In this context, JCC fully agreed with the overall goal and purpose of the project.

(2) The outputs and activities of the project were modified in order to clarify the details of activities of the project. JCC agreed with these modifications.

(3) In order to contribute to the successful implementation of the project, JICA dispatches the Japanese Experts consisting of one (1) long-term expert as the Chief Advisor and four (4) short-term experts, specified as follows:

- Chief Advisor
- Leader/Expert on river and drainage structure management plan
- Expert on flood management and flood preparedness
- Expert on runoff control, land use and spatial planning
- Expert on digital mapping and survey

JCC welcomed this determination.

(4) The plan of operation of the project in the Inception Report includes the implementation policies, methodologies and schedule of activities. JCC basically agreed with those in the Inception Report.

(5) The counterpart team was established by the Indonesian side as shown in the Attachment-3.

(6) The Japanese side requested to provide the appropriate office space, required facilities and required budget to implement the project. The Indonesian side promised to reply those requests certainly.

(7) The Indonesian side suggested the following issues on the project, and the Japanese side replied that those issues will be paid attention on:

- There is a absence period of the Japanese experts in the first year. To avoid such absence, the Indonesian side requested to rearrange the assignment schedule of the Japanese experts.

- Model river basins in the provinces of Banten and West Java will be selected through the discussions with the respective provincial governments.

- It is important for the counterpart agencies to understand the objectives and results of the project. In this context, the Indonesian side request to hold the workshops frequently.

- Presidential decree regarding the spatial planning in JABODETABEK is scheduled to enact in 2007. During the study on the runoff control, this spatial planning shall be considered. The study results will be used as a reference to revise the regional spatial planning.

- There are two types of counterparts, namely fulltime and part time. The counterpart with the fulltime basis will be the hydrologists from the DGWR, DKI, the provinces of West Java and Banten. The respective agencies will select the candidates.

- There are several studies and the project works for the drainage improvement in the JABODETABEK. The project team shall consider these situations and use the results of these plans and studies.

- There are some sample countermeasures specified in the Inception Report. Some of the countermeasures do not seem applicable in JABODETABEK.

Attachment-1 Functions and Composition of Joint Coordination Committee

(Source R/D dated on October 19, 2006)

ANNEX V JOINT COORDINATING COMMITTEE

1. Functions

A Joint Coordinating Committee will be created, which will meet at least once a year and whenever the need arises.

The functions of the Committee are as follow.

(1) To supervise the annual work plan of the Project in line with the Project Design Matrix and the Plan of Operations.
(2) To review the annual and overall progress of the Project and to evaluate the accomplishment of the annual targets and achievement of the objectives.
(3) To find out proper ways and means for solution of the major issues arising from or in connection with the Project.

2. Composition of the Committee

(1) Chairperson

Director General of Water Resources, Ministry of Public Works

(2)Members

a. Indonesian Side

1. Secretariat Directorate General of Water Resources
2. Director of Water Resource Management, Directorate General of Water Resources
3. Director of Rivers, Lakes and Reservoirs, Directorate General of Water Resources
4. Representative, Directorate General of Human Settlement
5. Representative, Directorate General of Spatial Planning
6. Representative, Dinas of Public Works Special State Capital Jakarta
7. Representative, Dinas of Water Resources West Java Province
8. Representative, Dinas of Public Works Banten Province
9. Representative, BAPPEDA of Special State Capital Jakarta
10. Representative, BAPPEDA of West Java Province
11. Representative, BAPPEDA of Banten Province
12. Representative, Dinas of City Planning and Control, Special State Capital Jakarta
13. Representative, Dinas of Land Use and Settlement, West Java Province

b. Japanese Side

1. Chief Advisor
2. Coordinator
3. Other Japanese experts
4. Member(s) of missions dispatched by JICA
5. Representative(s) of JICA Indonesia Office
6. Other person(s) concerned appointed by Chief Advisor

Note: Official(s) of the Embassy of Japan may attend the Committee meetings as observer(s).

DAFTAR HADIR

PRESENTASI PROGRESS REPORT I

KEGIATAN PEMBERDAYAAN KELEMBAGAAN UNTUK PENGELOLAAN BANJIR DI WILAYAH JABODETABEK

(THE INSTITUTIONAL REVITALIZATION FOR FLOOD MANAGEMENT IN JABODETABEK)

Hari / Tanggal : Selasa / 18 Desember 2007
Waktu : 10.00 - selesai
Tempat : Ruang Sidang Jatiluhur

NO	NAMA	INSTANSI	TANDA TANGAN	
1	Indro Jatworo.	Bapeda Banten	1.	2.
2	Linda Al Amin	Bapeda Jabar		
3	Suherman, MH	PSDA Prop Jabar	3.	4.
4	Sri Apriatini	Dit Tarunil II		
5	Reny Windyawati	Dit. Tarunil II	5.	6.
6	Sylad Sriherto	Dit Bina PSDA		
7	Iman Anshori	Dit. Bina PSDA	7.	8.
8	Takaaki KUSAKABE	JICA Expert		
9	Y. Usui	=	9.	10.
10	Sihar Simangunsong	JICA staff.		
11	Heru Setiawan.	Dit. Bina PSDA	11.	12.
12	Widagdo	Dit SDW		
13	Surendro A.W.	Dirjen. SDA	13.	14.
14	Ardhytia A	Ditjen SDA		

15	[illegible]	Bpkpsda DKI	15	16
16	Wahyu Imam S	PBL DJCK		
17	@ Sembiring	Dit. SDA	17	18
18	SUWARDI S.S.	DPU DKI		
19	Novita Nababan, S.Pd.	JICA staff	19	20
20	Dian MayLanny	JICA Staff		
21			21	22
22				
23			23	24
24				
25			25	26
26				
27			27	28
28				
29			29	30
30				
31			31	32
32				

DAFTAR HADIR

RAPAT PEMBAHASAN PROGRESS KEGIATAN PEMBERDAYAAN KELEMBAGAAN
UNTUK PENGELOLAAN BANJIR DI WILAYAH JABODETABEK
(THE INSTITUTIONAL REVITALIZATION FOR FLOOD MANAGEMENT IN JABODETABEK)

Hari / Tanggal : Jumat / 29 Februari 2008
Waktu : 09.30 - selesai
Tempat : Ruang Rapat Ditjen SDA

NO	NAMA	INSTANSI	TANDA TANGAN	
1	Imam Anshori	Dit. BPSDA - Ditjen SDA	1.	2.
2				
3	Djoko Suryanto	Dinas SDA & Pemukiman Prov. Banten	3.	4.
4	WIDIANTO	BAPEDA JABAR		
5	WITHARYONO	Dit. Pengelolaan Cipta Karya	5.	6.
6	Edward A.	Subdit Metropolitan Dit. Bangkim CK		
7	JOHAN C. T.	SDPU Tata Air Jakarta Pusat	7.	8.
8	Subagio Sriharto	Subdit PPSDA		
9	Ida Ayu Mirah	Subdit Prov & Kab dit. Taruwil II	9.	10.
10	Reny Windyawati	Subdit Kota & Metro Dit. Taruwil II		
11	DODI KRISPRATMADI	Subdit Pengembangan Persp & Drainase, Dit PSLP	11.	12.
12	BONA PANJAITAN	SUBDIT. P. SAMPAH & DRAINASE DIT. PSLP / DJCIC		
13	AGUNG PUJO W.	DINAS TATA KOTA	13.	14.
14	Mahendra	Bagsda DKI Jakarta		

15	NOVITA NABABAN	JICA STAFF	15	16
16	Sahat Bayuadji	DJ BBWSCC		
17	RIZALI	DINAS PSDA PROV. JABAR	17	18
18	SAHALA PRATTAMA	SDA PU DKI Selatan		
19	SORIMUDA. H	DPU DKI	19	20
20	FEBRI IMAN HARTA	BBWS Cil-Cis		
21	[illegible]	BBWS CC	21	22
22	Y. Oishi	JICA Expert		
23	Sihar Simanjuntak	Jica Staff	23	24
24				
25			25	26
26				
27			27	28
28				
29			29	30
30				
31			31	32
32				

ATTACHMENT 3-4

MINUTES OF MEETING
Joint Coordination Meeting
(Discussion of Progress Report 3)
of
The Institutional Revitalization Project for Flood Management in JABODETABEK

1. Day/date : Friday, March 13th, 2009
2. Time : 09.00am-11.35 am
3. Venue : Meeting Room Jati Luhur, Ditjen SDA, 3rd fl
4. Chairman of Meeting : Direktur BPSDA, Direktorat BPSDA, Dirjen SDA, Sugiyanto,
5. Agenda : a. Explanation of Outline & Progress of Report
   b. Explanation of Spatial Planning for Jabodetabekpunjur Area
   c. Explanation of Maintenance Manual on the River Structure
   d. Explanation of Study on WBC and the Ciliwung
   e. Explanation of Operation Manual on Pumps and Gates
   f. Report on Conclusion of Seminar on flood Mitigation in JABODETABEK on December 4th, 2008
   g. Explanation of Follow up Activities
   h. Explanation of Flood Inundation Analysis Model
   i. Explanation the Program of Project in Next Fiscal Year
   j. Discussion of Project Activities
6. Participants : a. Direktur PSDA, Ditjen SDA
   (Director of Water Resources Management, DG. Water Resources)
   b. Direktur SDW, Ditjen SDA
   (Director of River, Lake and Reservoir, DG. Water Resources)
   c. Kasubdit OP & PBA, Dit. SDW, Ditjen SDA
   (Head of Sub-Directorate Operation and Maintenance & Natural Disaster Fighting, Dit. River, Lake and Reservoir, DG. Water Resources)
   d. Kasubdit Bangunan Gedung, Dit. PBL, Ditjen Cipta Karya
   (Head of Sub-Directorate Building Codes, Dit.Planning of Building and Environment, DG. Human Settlement)
   e. Kasubdit Pembinaan Perencanaan Tata Ruang Perkotaan dan Metropolitan, Dit. Wilayah II, Ditjen. Penataan Ruang (Head of Sub-Directorate Urban and Metropolitan Spatial Planning, Dit. Regional II, DG. Spatial Planning)
   e. Bappeda DKI Jakarta (Planning & Development Board of DKI Jakarta Province)
   f. Bappeda Banten (Planning & Development Board of Banten Province)
   g. BBWS Ciliwung Cisadane
   h. Dinas PSDA Provinsi Jawa Barat (Agency of Water Resources Management of West Java Province)
   h. JICA Resident Representative & JICA Expert
   i. Staff OP & PBA, Dit. SDW, Ditjen. SDA
   (Staff of Operation and Maintenance & Natural Disaster Fighting, Dit. River, Lake and Reservoir, DG. Water Resources)
   j. Staff DTR, Ditjen. Penataan Ruang
   (Staff of Spatial Planning, DG. Spatial Planning)
   j. Fulltime Counterparts:
   1. Juniferanne
   2. Ayu
   3. Ambar
   4. Heriantono
   5. Andi

k. JICA team

(In total, 31 persons attended the meeting)

Progress of Meeting:

A. Opening Remarks

Joint Coordination Meeting on The Institutional Revitalization Project for Flood Management in Jabodetabek was opened by Director of PSDA, Ir. Sugiyanto, at 09.15am.

After opening remarks, Mr. WATANABE Masatomo as team leader introduced the member of JICA team.

B. Outline & Progress of Report

Explanation the Outline & Progress Report, by Mr. WATANABE Masatomo. (09.20am-09.25am)

C. Special Topics of Activities (Presentation by Counterpart and Fulltime Counterpart)

(1). Spatial Planning for Jabodetabekpunjur Area, by Ir. Firman M Hutapea (09.25-09.50am)

(2) Maintenance Manual on the River Structure, by Anne, supported by Ambar and Ayu (09.50-10.05)

(3) Operation Manual on Pumps and Gates, by Mr. SHINGU Tamotsu (10.05-10.25am)

(4) Study on WBC and the Ciliwung, by Heriantono, supported by Andi (10.25-10.45am)

D. Seminar on December 4th, 2009 and follow up

(1) Conclusion of Seminar, by Mr. KUSAKABE Takaaki (10.45-10.48am)

(2) Follow up Activities, by Sarwono (10.48-10.50am)

E. Flood Inundation Analysis Model & Program of Project in Next Fiscal Year

Explanation the flood inundation analysis model and program of project in next fiscal year, by Mr. SHINGU Tamotsu (10.50-11.00am).

F. Discussion of Project Activities

Discussion session was opened for all participants by Mr. Sugiyanto at 11.00am.

Question 1: **by Mr. Suherman, Head of Water Resources Management Balai CiliwungCisadane, Water Resources Management Agency of West Java**

Greetings.

First of all, I want to introduce my self. I come from Water Resources Management Agency of West Java Province. I was assigned to attend this meeting since the Head of Development & Planning Board of West Java Province, the counterparts from Housing and Settlement of West Java Province and also the Head of Water Resources Management Agency of west Java Province could not come.

In this opportunity, I will not discuss or add what already explained. On behalf of the Provincial Governemnt and Regency/ Municipal Governemnt of West Java Province, we want to be involved in the activity of non structural flood mitigation. What we meant is about the spatial planning in the area of upstream Ciliwung. We ask for the recommendation of the important things to be considered for spatial planning regarding the available regulations are not optimal yet.

Then, due to our weaknesses which should be improved regarding the Local Government Regulation on Spatial Planning either in Province or Regency are not optimal yet. We hope that the recommendations from all of you may improve the effort to reduce the run-off in the upstream; also about the institutional role of the Provincial Governement and Regency/ Municipal Government in controlling the spatial planning.

The last thing is the recommendation about the role of Central Governemnt and DKI Jakarta Government to participate in controlling the spatial planning in upstream of Ciliwung. Beforehand, I would like to ask apologize to Mr. Widagdo, I have no intention to reveal the bad things among the Government institution in DKI Jakarta and West Java. I only expect that we shall have the same consideration for non-structural measure in controlling.

Those are all of my questions. Thank you.

Question 2: **by Ir. Eko Djuli Sasongko (Head of Sub-Directorate Building Codes, Dit.Planning of Building and Environment, DG. Human Settlement)**

Greetings.
My name is Eko Djuli Sasongko from DG. Human Settlement, Dit. Planning of Building and Environment. As the instruction of Director General of Human Settlement that the main duties of Directorate General of Human Settlement are regulation, management, supervision and development. For water and land conservation, we also make regulation to reduce the damages resulted from human actions by reducing the run-off, particularly in the areal of buildings. Since we joined in this team, we realized and made draft to control the run-off in the areal of buildings. Hopefully within this year we compromise it into Minister Regulation which can be used as consideration for the construction of buildings in the district. As we can see that the run-off due to malls and house-store is 100 percent coming out of the lot, moreover if the water is mixed withsoil. That dirty water will enter the drainage channel and cause sedimentation. Therefore, the regulation to reduce run-off is necessary.
In this opportunity, I want to invite the Direcorate of Water Resources Management to consent that regulation for its effectiveness. Thank you.

Review of Question:
1. by Mr. Sugiyanto
●) The answer of 1st question by Mr. Sugiyanto about recommendation for the development in the upstream of Ciliwung is by applying the regulation of spatial planning. But the application of spatial planning regulation should be integrated among the spatial planning in Province Level and Regency/ Municipal Level; however the the application in each level is not optimal yet and should be improved beforehand. Beside that is applying Incentive and Disincentive systems. I think it is very good, because the downstream area also gives contribution to the condition in upstream and vice versa. Unfortunately, the National Policy about flood management does not cover about that. That is why, I also need comments from my colleague, Mr. Widagdo and also friends from consultant.
●) for Mr. Eko, I think it is only additional information about preparation of regulation to control run-off.
Now Mr. Widagdo will give some comments, please.

2. by Mr. Widagdo
Thank you for the opportunity. As a participant, I also want to give comment for the questions and presentations delivered.
For Mr. Suherman, thank you for your question. It is right that coordination among regions is very important. To regulate the spatial planning in the upstream area of Ciliwung, as mentioned by Mr. Firman Mulia, there are Regulation of Government Number 26 and President Decree Number 54. This Decree is a reference for the Regulations of Local Government which related with Spatial Planning in JABODETABEK area, also for us to have coordination among the regions.
About the revision of regulations, I think we need to conduct seminar. We can discuss, what kind of regulations is needed, which regulation should be adjusted to control the spatial planning, etc.
What did you mean before, “Tata Ruang (Spatial Planning) or Tata Uang (Money Planning)”? If we are talking about Money Planning, as mentioned previous that through Dewan SDA Nasional (National Water Resources Council) we campaign the non-structural measures by giving compensation upstream-dowstream for the environment conservation. It is one of the ways for downstream area to be responsible to upstream area which laready conducted conservation by giving compensation. It is also assessable for controlling the degradation of environment toward certain river basin area, following the studies made by Mr. Emil Salim (Former Environment Minister of Indonesia) with The Minister of Economy and Regional Planning & Development Board (BAPPEDA). They apply the system of Upstream – Downstream Compensation for several lakes. The downstream area is subjected for tax which will be given to upstream area which conducting conservation.
For Mr. Eko, I agree with you. I really appreciate the regulation about the reducing of run off. Though the catchment area was increased, but the building run-off also increased. It is always a problem. One of the ways to control run-off coeeficient is called run-off management. As

mentioned in the previous presentations, there are on stream management and off stream management. Run-off management is included in off stream management. Run-off management can be applied through compensation system. If some land developed, the space for water should be calculated. So, the load of run-off which enters the river is balance. I also hope that the developer in Jakarta is eco-developer which means that developer is encouraged to construct the space for water which can not be entered. So, dike becomes the storage for water parking. Regulation for developer is needed to apply this. At least for the space utilization of 100 hectare, calculation of space for water is necessary. The developer shold be responsible for the water management in that developed area. It has been implemented in area of PIK (Panati Indah Kapuk). But, seems they forget that in the former that area was a channel for water from upstream to downstream. Maybe that area is safe, but becomes backwater to the upstream. That is what I and Mr. Firman concerned about.

Mr. Firman already mentioned which called "Tata Ruang Jabodetabekpunjur" (Spatial Planning of Jabodetabekpunjur), but it is only from the view of economic and demand driven. I think also should be concern about Spatial Planning based on resources capacity. Therefore, I want to ask Mr. Sarwono to have environmental supporting capacity, particulary supporting capacity toward the cathment areas. We have drainage system which one of its activity is Operation and & Maintenance (walktrough). By conducting walkthrough, we can know the every point in certain catchment.

Then we can know the load of each river which is affected by every catchment. Supporting capacity that mentioned by Mr. Firman is environmental supporting capacity only. What I expect is the supporting capacity to receive water. So we can give warning to the related Local Government. If the occupation of catchement area in certain area changed some percent, it would cause flood in certain area. If in certain area was developed for industrial activity, they should consider where the water will be channeled since the capacity of the river is limited. The assumption is, if the occupation of certain area changed then the poarking for water should be considered. Moreover, we already have new system DYSGS two dimension (explained by Mr. Shingu), which projecting the certain occupation of catchment with certain load due to the limited river capacity. I really impress with Tsurumi Retarding Basin in Tokyo. They prepared some compensation area to receive the water, because basically we can not avoid the changing of land use. 20 years ago the occupation area was only 10% in Tsurumi area, but now became 85%.

The development in Jakarta area can not be easily stopped, but we also have to give warning about this run-off management by giving compensation to developers and society. This also should be explained to journalist or society when asked when the flood problem will be over. If there was no awareness of how to manage run-off, then the flood problem would never be over. This kind of thinking and concept should be developed. For Mr. Shingu and Mr. Watanabe, I think those are very presentations. I really appreciated it. I hope we can combine all of the components into one strategy; like spatial planning and river capacity, the environmental capacity to receive water, and how can we develop this kind of awareness to the Local Government or event the area management.

About the presentation from spatial planning, the space of water explained above should be related with the analysis and simulation. I think it would be good, if there was illustration showing the worse condition when permit for the developing the settlement or building. And the coordination with the colleagues from DG of Cipta Karya is also necessary.

About the Operation and Maintenance of river structure, I think it is better if the definition of Macro, Sub-macro and Micro drainage is correlated with flood control and flood drainage, urban flood and urban drainage. So it is not only about the jurisdiction.

The explanation about walkthrough inspection was good, but I want to add some thing. I think we do not only to know about the condition of the structure, but also the function. Because, sometimes the structures still well functioned though some parts are broken. Therefore, the information about function of the structures shall be explained, such as how many percent the decrease of function due to the decrease of structure condition (broken), whether the structure need to be rehabilitated instead only maintenance, etc. By having this kind of information, we can give recommendation to the Management Institution Besides that, I hope the Manual of Operation and Maintenance also give recommendations for "Do and Don't" things and also prevention for the countermeasures.

Then, about the presentation of Study on WBC; I think it is about Standard Operation Procedure of drainage system. I also heard that this team prepares 7-8 manuals about this. I think those

manuals should be socialized. And the expected output of this JICA study is stategic recommendation of flood management related with the existing structures. It is important, because many people only think about developing without concern about maintenance.
Back to the topic of Off-stream and On-stream as explained by Mr. Shingu, On-stream is flood management which related with the distribution of flow. Off-stream is about run-off management which should relate with environmental capacity and spatial planning with load factor. The most important of water flow to the river is the occupation of catchment due to the changes of land use.
About the presesentation of Mr. Heriantono, I think it was very good. It shows that bottlenecks may cause backwater which affects the surrounded area. This kind of information is very important as early warning for the inhabitants especially in flood prone area.
Unfortunately, this kind of information is not realized though by our colleagues in this Public Works Department. I am sure that the Dirjen Bina Marga (Directorate General of Highway and Bridge) does not know about the bottleneck problem. For example is about Manggarai Bridge. They only know that the bridge is obstructed with bamboos and may cause when flood comes.

About the facilitate activity of TKPSDA establishment, we (Directorate of River, Lake and Reservoir) will assist and support that activity.
I think if those of all the presentations were summarized into a big framework will be suitable with that action plan. That is all of my comments, the honour of Chairman.
In this opportunity, I also ask for appologize for bringing my staffs from the West Region Section of River, Lake and Reservoir Directorate. The reason I invited them is because I noticed that the Section was not invited, in fact the project area is belonged to them. I also want to propose them as the counterparts for this project, as Mr.Shingu said that there is possibility to welcome for the new counterpart. It is a bit embarrassing for me knowing that the presentation of Operation and Maintenance of River and River Structure was delivered by staffs from PSDA (Water Resources Management) and Bina Program (Programming) Directorates and none from Directorate of River, Lake and Reservoir. I am really sorry for that and hope that there is a possibility to propose my staff as the counterpart of this project.

by. Mr. Shingu

No problem, we understand that your staffs are very busy.

by. Mr. Widagdo

But it is not because of the opportunity to go to Japan for the training. I only think there is possibility that my staff can learn a lot, because it is very good concept and strategy for the young engineer. They should know not only how to design but also how to manage the infrastructures, or how to keep the infrastructures to be functioned and sustainable.

by. Mr. Sugiyanto

As metioned by Mr. Widagdo also our colleagues from West Java Province and DG of Cipta Karya that all the things related with non structural measures have been proposed. I think our proposal is good.
For the next presentation maybe we will have one presentation which combines all the things to get more benefit
We hope there is any comment from JICA about the meeting today.

By. Mr. Hiraoka

Thank you very much for Mr. Sugiyanto and Mr. Widagdo. I am very happy to see the report of this team today. And I really appreciate the cooperation of DG Water Resources, DG of River, Lake and Reservoir, DG of Cipta Karya, and DG of Spatial Planning also other provinces such as West Java and Banten. I am very happy to see the result of today and maybe some of you know that the end of March is the end of Fiscal Year in Japan. It means that we will new start from

April and we call it nest term. So we still have nearly one year to go, so we can see a lot of improvemtn from that we have now. So, thank you very much for today.

By. Mr. Watanabe

(the voice could not hear well since the microphone was not used)

By. Mr. Shingu

(the voice could not hear well since the microphone was not used)

By. Mr. Watanabe

(the voice could not hear well since the microphone was not used)

By. Mr. Sugiyanto

(the voice could not hear well since the microphone was not used)

By. Mr. Watanabe

(the voice could not hear well since the microphone was not used)

Another matter, we hope the contribution from many organization to improve the result of our project; especially from PU Agency of DKI Jakarta Province and PU Department as the most important organization.

G. Closing Remarks

Joint Coordination Meeting (Discussion of Progress Report 3) on The Institutional Revitalization Project for Flood Management in Jabodetabek was closed by the Director of Water Resources, Ir. Sugiyanto, and was continued with lunch.

DEPARTEMEN PEKERJAAN UMUM
DIREKTORAT JENDERAL SUMBER DAYA AIR
Jl. Pattimura No. 20/7 Telp. 7396616 Fac. (021) 7208285 Kebayoran Baru Jakarta Selatan 12110

DAFTAR HADIR RAPAT

RAPAT : Pertemuan Joint Coordination Committee
HARI / TANGGAL : Rabu / 7 Oktober 2009
JAM : 10.00 - Selesai
TEMPAT : Ruang Sidang Jatiluhur Direktorat Jenderal Sumber Daya Air
PEMIMPIN RAPAT : Iwan Nursyirwan. – Direktur Jenderal Sumber Daya Air

NO.	NAMA / NIP	JABATAN / INSTANSI	KONTAK		TANDA TANGAN
			E-MAIL	HP	
1	IWAN NURSYIRWAN	SDA			[signature]
2	Widagdo	SDW - SDA			[signature]
3	Andi Baso M	Bappeda DKI Jkt		08128013813	[signature]
4	Widodo Hadi	Ka. Bappeda Banten		0811120261	[signature]
5	Suhartono 110022736	Ka Sub Dit OPPBA Sulawesi		0812132000 58	[signature]
6	SUBARDJO 110026423	Kasi OP 2 PBA SDW		0818725346	[signature]
7	Lupiansi 110052289	Staf Subdit OP2 PBA	lupiansilan@yahoo.com	08153810454	[signature]
8	TAUFAN ADRIANTO, ST 19851205 2008 121 001	Staf Subdit OP2 PBA	adrianto.taufan@yahoo.com	081330689730	[signature]

NO.	N A M A / NIP	JABATAN / INSTANSI	KONTAK		TANDA TANGAN
			E-MAIL	HP	
9	Hendra Ramdhani, ST 198406172008121002	Staf Dit. SDW	hendraramdhani@yahoo.com	081227653035	
10	Hila Alicfia Fadly 19800825 200812 2001	Staf Dit. SDW	hilafk@yahoo.com	08138641 7760	
11	Ambar Puspitosari, ST 110063537	Staf Bipran SDA	am_bar02@yahoo.co.id	08164270633	
12	Romelan	Jab. fungsional BBWS-ce	-	081382 001133	
13	Puji SUTARTO/110031849	BBWS CIL-CIS	subrotopuji@yahoo.com	08131754765	
14	Purjono	BBWS CIL-CIS	-	08157429929	
15	Catut Bayuadji	Dit Bina Kepro		08142628891	
16	Sumarno	— u —	Sumarno2001@gmail.com	08157853469	
17	ISVAN TAUFIK	DINAS SUMBER DAYA AIR & PEMUKIMAN BANTEN	taufik_ISVan	08186218	
18	RINNY CEMPAKA	BAPPEDA PROV. JAWA BARAT	cempaka_r@yahoo.com	08122189385	
19	DWIMURTI NURLAILI	DPU DKI JKT	dwimurti@yahoo.com	08568759687	
20	Endar. M.	Sekertaris SDA & P Banten		0811122357	
21	Desta M	Staf Bappeda PROV. Banten	dmangayara@yahoo.com	08129046290	
22	HERNING	DPU DKI JAKARTA	herningw@yahoo.com	0812.93.89.109	

NO.	N A M A / NIP	JABATAN / INSTANSI	KONTAK		TANDA TANGAN
			E-MAIL	HP	
23	Djaco Suryanto	Dinas SDA2 Bantan Kepala Balai BBA		081295726623	
24	WINARYONO	Kepala Dinas SDA & P Pem Bantan		08111277157	
25	DEDI MASHUDI	PPK PBPS BBWS CIMANUK - CISOJUNG CDR		081389541016	
26	BUDI MUHIBBUDIN B	PELAKSANA PERENCANAAN BBWS CIDANAU - CISOJUG CIDURIAN		081317896970	
27	Sosilawati	PPK Perencanaan Teknis/ Kasi Perencanaan Teknis BBWS Ciliwung Cisadane	n_henye@yahoo.com	081310263963	
28	Lina Fibriani	Staff BBWS Ciliwung Cisadane		08186597971	
29	Dina Noviadriana	Kasi Pelaks. Sungai & Pantai BBWS Cil-Cis		081382003505	
30	Heru Purnomo	Pejabat Pengelola BBWS Cc.		081292326972	
31	BUDI SANTOSO	CANTEK SDA		08188156111	
32	Kiki Marina Murdiani	Subdit OP & PBA		085675154781	
33	Reny Windyawati	Kasi Metro DIT. Taruni II DJPR	renyunindy@yahoo.com	0811.1967.73	
34	ARIFIN KERTAYASA	KASIE BANGUNAN & WADUK BBWS CITARUM		081320190941	
35	HIDAYAT.	KASI BANGUNAN GEDUNG - PBL - CK	dedanbbse@yahoo.com.		
36	FAKHRURRAZI	DPU - DKI	f_razi77@yahoo.	0812174787	

NO.	N A M A / NIP	JABATAN / INSTANSI	KONTAK		TANDA TANGAN
			E-MAIL	HP	
37	DUDI GARDESI A.	DPU DKI JAKARTA	DGARDA69 @ YAHOO. COM	0818780761	[signature]
38	Ayu Fnei Wijayanti	Staf Subdit Hidrologi & KA	a_soeey20 @ yahoo. co. id	08174114052	[signature]
39	Pilas Agita	Dit-jen Penataan Ruang	Pilas.agita @ yahoo. com	0818082886 03	[signature]
40	AKSTIADI WIBOWO A	DTR - DKI	AKSTIADI@yahoo. com	[illegible]	[signature]
41	EKO HARIADI	Bappeda DKI	ekohariadi @ gmail.com	081328908025	[signature]
42	PANUT	DTR - DKI		08130878999 6	[signature]
43	K. Tsukahara	JICA	Tsukahara. Kenichi@jica.go.jp		[signature]
44	Chiaki Kobayashi	JICA	Kobayashi. Chiaki @ jica.go.jp.		[signature]
45	Akiko Tatera	JICA (GLM)	tatera.akiko @ glm.co.jp	NA	田寺亜希子
46	Takaaki KUSAKABE	JICA	cxp07043@ nifty. com	081 14 94783	[signature]
47	Masatomo WATANABE	JICA			[signature]
48	Sarwono S	IRPFMJ			[signature]
49	Tamotsu Shinjo	JICA			神條
50	JUNIFERANNE N.B.	DIT. BPSDA	anne_brahmana @yahoo. com	0818 623241	[signature]

NO.	N A M A / NIP	JABATAN / INSTANSI	KONTAK		TANDA TANGAN
			E-MAIL	HP	
51	Anggia Satriri	Kasi Cantek Dit. SDW	znggiae yahoo.com	08128040905	
52	Fabri Iman Hakim	Kabid Perencanaan & OP BBWS Cit-Cis	f_iman_hakim@yahoo.com	081181062	
53	Sumaji	Kasi Dalmas BPSDA Cit-Ciy	sumaji_65@yahoo.co.id	08157310528	
54	Imam Pudiman	BBWS-C3	imam_MS@yahoo.co.id	0812994829	
55	KATI A.	KSD DIT P.PLP - DJCK		0816 907496	
56	Novita Nababan	JICA staff	novitanababan@gmail.com	08131525802	
57	Anisa M.	JICA - IRPFMJ			
58	Dian Maylanny	JICA - Staff	dian_maylannye yahoo.com	0813817233	
59	Destri Kusumawardhani	JICA - Staff			
60					
61					
62					
63					
64					

ATTACHMENT 3-6

MINUTES OF MEETING

JOINT COORDINATION COMMITTEE MEETING

ON

FINAL REPORT

THE INSTITUTIONAL REVITALIZATION PROJECT FOR FLOOD MITIGATION IN JABODETABEK

Jakarta, March 5, 2010

1	Day/ Date	:	Friday, March 5th , 2010
2	Time	:	09.00 am ~ 12.00 am
3	Venue	:	Ruang Sidang Direktorat Jenderal Sumber Daya Air, 7th floor
4	Chairman	:	Director of River, Lake and Reservoir, Ir. Widagdo, DiplHE. On behalf of Director General of Water Resources
5	Agenda	:	a. Opening Address, by Chairman b. General Introduction of the Project, by Mr. Widagdo Director of River, Lake and Reservoir c. Opening Speech, by Ms. Kanako HIRAOKA, Assistant Resident Representative JICA Indonesia d. General Review of the Project, by Mr. Masatomo WATANABE Team Leader of the Institutional Revitalization Project for Flood Management in Jabodetabek e. Activity Report, by Mr. Tamotsu SHINGU, Deputy Team Leader of the Institutional Revitalization Project for Flood Management in Jabodetabek f. Discussion g. Signing of Preface h. Conclusion i. Closing Remarks
6	Participant	:	39 persons (see attachment)

A. Opening Address

Mr. Widagdo, the Director of River, Lake and Reservoir on behalf of the Director General of Water Resources delivered opening address, to welcome all participant and appreciated their participation on the meeting.

He also stated that this Institutional Revitalization is very important not only for the Ministry of Public Works, but also for the Counterpart themselves, to improve their competency, especially in the field of *Non-structural Measure for Flood Management.*

Any possibility of the extension or continuation of such Project will be very much expected and appreciated.

B. General Introduction of the Project

Mr. Widagdo explained briefly about the Project up to the last stage (6th stage), and appreciated very much to JICA Expert and Full-time Counterparts for their contribution in conducting transfer of technology, especially their product in form of 7 (seven) Manuals and 1 (one) Guideline. Although this is the end of technical cooperation between JICA and the Government of Indonesia, the internal cooperation among Counterparts hopefully can be continued and maybe extended among their Indonesian colleagues.
He was looking forward to having those Manuals and Guideline being improved from time to time and to be applied in other area outside Jabodetabek as well.
He was wondering if JICA and DGWR would like to issue Certificate to certify that Full-time Counterparts had completed On The Job Training and produced Manuals and Guideline.

C. Opening Speech

Ms. Kanako HIRAOKA, Assistant Resident Representative JICA Indonesia expressed her happiness and appreciation for the successful cooperation between JICA and the Ministry of Public Works.
She confirmed that the Government of Japan had approved to implement **Capacity Development Project for Comprehensive Flood Control in JABODETABEK** in the coming Japanese Fiscal Year (April 2010 ~ March 2011) for 3 (three) years, as continuation of technical cooperation between JICA and the Ministry of Public Works.
She also agreed with Mr. Widagdo, on the issue of Certificate for Full-time Counterparts.

D. General Review of the Project

Mr. Masatomo WATANABE delicered a general review of the Project, including:

1. The important of the Project from the point of view of transfer of technology, and the output that was produced by either JICA Expert as well as the Counterparts.

2. However, he reminded us that such Manual and Guideline have to be improved from time to time to keep them applicable, based on the experience in the field.

3. It is also important to disseminate the Manuals and Guideline to get wider implementation to decrease flood disaster in wider area. Such dissemination can be done by means of internet, magazines or any other official publication.

4. It is recommended that Full-time Counterparts should conduct regular discussion to improve their capability and to transfer their knowledge to other persons in charge of flood management in all institutions.

5. He stated that JICA Expert will be available in case some help dealing with the Manuals and Guideline is required by the Counterparts.

E. Activity Report

Mr. Tamotsu SHINGU reported the Project Activity during 3 years of implementation, such as:

1. Schedule, Main Activity and Objectives of the Project, as well as the Outputs of Activities.

2. Methodology of Technical Transfer and Achievement of Output.

3. Relation among Manuals and Guideline, which described three most important aspects as Non-Structural Methodology for Flood Disaster Mitigation, that are:
    a. Flood Plain Management
    b. River Management
    c. Basin Management

4. At the end of his presentation, he recommended:
    a. Practice of Soft Measures Application Based on Manuals
    b. Up-date and Revision of the Manuals
    c. Horizontal Development of the Manuals
    d. Establishment of System for Run-off Increase Prevention in Basin.

F. Discussion

1. During the discussion, some counterparts expressed their opinion about On The Job Training, as follows:
    a. At the beginning, some counterparts wondered what will be the advantage for them in attending such training, but now everybody agreed that the training had improved their knowledge, ability, and most important thing is improved their confidence, at least of being able to finish writing Manuals and Guideline.
    b. They were also happy to experience in writing presentation and deliver their presentation as speakers in the Seminar, Workshop, Working-group and internal discussions conducted by the Project.
    c. Two out of twenty-three Counterparts were very very happy to get the opportunity to join Training-in-Japan, the other expected to have the next opportunities.

2. Mr. Eko Djuli Sasongko, representing the Directorate General of Housing and Resettlement (DitJen. Cipta Karya) said that he improved his knowledge after attending all meetings, seminars and workshop conducted by the Project, especially in the field of run-off management, and it helped a lot in preparing draft of Ministry Decree on Storm-water Management on Private Property which will be finalized next month.

3. Mr. Eko Hariadi, the representative of Bappeda DKI Jakarta said that h expected all Manuals and Guideline will be useful for his staff to know better about flood management in Jabodetabek, especially to decide its priority.

4. Mr. Indro Sarwono, the representative of Bappeda Banten proposed to include Banten as Pilot Project Area (in the coming activity), so that person in charge of flood management in Banten may improve their capability and decrease flood occurance in the area.

5. Ms. Linda Al Amin, the representative of Bappeda West Jawa said that the Manuals and Guideline are very important to be implemented not only in Jabodetabek area, but also in West Jawa, as up-stream part of many rivers that flow through Jabodetabek, mostly originated from West Jawa.

G. Conclusion

1. It is agreed that The Institutional Revitalization Project for Flood Management in Jabodetabek as JICA-MPW Technical Cooperation Project had produced many important out-put dealing with Non-Structural Measure for Flood Management in Jabodetabek.

2. The implementation of the coming project. i.e. **Capacity Development Project for Comprehensive Flood Control in JABODETABEK** (2010/2011 ~ 2012/2013 Japanese Fiscal Year) is necessary to consider Banten and West Jawa Provinces as its Project Area. More number of Training in Japan for Indonesian Engineers will be favorable.

3. JICA and DGWR will issue Certificate for Full-time Counterparts for having completed On The Job Training.

4. It is recommended that Group discussion among Full-time Counterparts to be conducted regularly (maybe be-monthly, quarterly, etc.). Such discussion may be extended by including persons in charge of flood management in related institutional.

5. It is also recommended that Manuals and Guideline are to be improved from time to time due to the experience in the implementation. Such Group discussion may lead to achieve improvement of the Manuals and Guideline

H. Closing Remarks

Mr. Widagdo, on behalf of the Director General of Water Resources, express gratitude and appreciation to all parties related to this project, especially to JICA, Experts and all Counterparts for their cooperation and contribution in this project. He believed that all output will lead to better outcome in the field of flood-disaster management.

He also hoped that all Counterpart's activities should not stop due to the end of this project, but should begin a new start of self improvement of their capabilities.

ATTACHMENT – 4:

MINUTES OF
SEMINAR & WORKSHOP

Seminar on Flood Mitigation in Jabodetabekon Dec 4th, 2010

Workshop on Flood Mitigation in Jabodetabek on July 29th – 30th2009

Report on Seminar on Urban Flood Management on November 23rd – 25th, 2010

ATTACHMENT 4-1

SEMINAR ON FLOOD MITIGATION IN JABODETABEK
DECEMBER 4, 2008
MINISTRY OF PUBLIC WORKS – DIRECTORATE GENERAL OF WATER RESOURCES IN COOPERATION WITH JAPAN INTERNATIONAL COOPERATION AGENCY

Venue : MUTIARA 1 ROOM, GRAN MELIA HOTEL, JAKARTA

Time : 9.00 a.m – 5:30 p.m

Participants: 123 persons from various agencies (list of attendance attached)

- Opening ceremony

- Report from the Organizing Committee, by *Mr. Harmadi*
  Indonesia, especially Jakarta experienced flood several times and the last flood causes lots of damage. The purpose of the seminar is to get contribution from institutions and agencies on how to anticipate flood. 120 participants are invited and 90 are coming that morning.

- Opening Speech

1. Opening address by *Mr. Takeshi MURONAGA*, on behalf of The Ambassador of Japan, Mr. SHIOJIRI Kojiro.
   For many years, because of many factors, Indonesia experienced many disasters, such as flood. The disasters have impacts on economic situation. Japan also experienced disasters but has been able to overcome them. Based on its experience in flood mitigation, Japan get the idea of assisting flood reduction in Jabodetabek since the damage cost trillions rupiahs with a hope that Jakarta has no flood again.

2. Opening address by Representative of JICA, *Mr. Takeshi SAKAMOTO*
   The presence of JICA is to introduce new system or strategy to increase the development and to give assistance to the need of Indonesia. The assistance is in the forms of foreign projects, such as Disaster Management Project. This project is to reduce natural disaster in Jakarta since rural area suffered from flood damage and it cost a lot. Moreover, the project is also to implement disaster management. This seminar will discuss how implementing flood mitigation in Jabodetabek.

3. Opening address by *Mr. Iwan Nursyirwan Diar, Dipl. HE*, Directorate General of Water Resources on behalf of the minister of Public Works
   Flood problem is very complex in Indonesia. Flood can be caused by either tidal or high rain fall. Flood is also the effect of urbanization development. The solution is that we need flood control and food mitigation to control flood flow and flood stream.

The development is based on the plan such as Banjir Kanal Timur (East Flood Way). The objective of the seminar is to get information on how to maintain flood control system. It is expected that the contribution will improve the effectiveness of flood control and flood mitigation in Jabodetabek.

- The Seminar was opened by the Directorate General of Water Resources, *Mr. Iwan Nursyirwan Diar, Dipl. HE.*

4. *Mr. Samsir* led the prayer

5. *Keynote speech: Director of River Reservoir, Mr. Widagdo on behalf of DG-WR*
   Flood is our problem to solve. As seen at the map from satellite, some areas in Jakarta are under sea level and easily flooded. Flood then, causes damage to our society. Several projects have been done on flood mitigation for major flows since 1600s. The projects were to find out the strategy for flood mitigation. They were not successful yet. There were problems such as operational problem in the area, land, and decreasing of "situ-situ". Those problems led to the continuous flood. We see this as a challenge to come to solution. One solution is by conducting collaboration and coordination among institutions and foreign agencies. This seminar hopefully could collect contribution from participants and institutions on how to collaborate and coordinate works on flood mitigation.

Coffee break

SEMINAR SESSIONS

(For complete details of presentations you could look at the presentation slide.)

SESSION I: ISSUES AND ACTIVITICES FOR FLOOD MITIGATION IN MINISTRY OF PUBLIC WORKS

Speakers: Head of BBWS Ciliwung-Cisadane, Director General of Cipta Karya, and Director General of Penataan Ruang

Moderator: Mr. Imam Anshori

1. *Mr. Pitoyo, Head of BBWS Ciliwung-Cisadane*
   - Master plan 1973, 1997
   - Land subsidence: 25 cm in 2025
   - Banjir Kanal Barat: after Banjir Kanal Barat Project finished, the government will focus and solve Ciliwung River problem.
   - Waiting for Minister's approval for the proposal on river revitalization. Some rivers are not done yet. There are hundreds of 'situ' (small pond) made to retain flood water.

2. *Mr. Soesmono*, Director of Development of Settlement Sanitation, Directorate of Human Settlement.

Issues and activities for flood mitigation in DGHS ministry of Public Work Directorate General

- Target of drainage sector (RPJM 2004-2005):
  1. To improve drainage system function
  2. To decrease temporary flood area up to 75% from existing condition
- Strategic issues on drainage
- Change (on community participation), constrain (the economical crisis), and opportunity of drainage aspects; consider affordable healthy living, institution weakness
- 3R program
- Paradigm change. New paradigm is to hold and recharge water run off to the ground using.
- Action: plan matrix
- Start from home: In Indonesia there are 100 sanitation environment groups. It is suggested to start from little scale (home) and getting bigger to regional scale (city or district/kotamadya)so each area has on site drainage system.

3. *Ms. Sri Apriatini Soekardi,*, Director General of Penataan Ruang (Spatial Planning) Jawa dan Bali

Title: The Role of Spatial Management on Jabodetabek Flood Mitigation.

- Special planning is one solution to prevent flood.
- Jabodetabek: its role and spatial issues in each area of Jabodetabek together with how they influence each other.
- Issues: urbanization is very high, high population growth, and density. They are raising tension of space and environment, land use change, housing development. The impacts are on (1) the decreasing function of river basin and change of climate.
- Flood area is expanding. Identification: each area has spatial plan, focus on economic factor, weak and no connection to DAS system.
- Requirement: sustainable development in economic, social and environmental aspects.
- Integration of development. Policy refers to spatial management on forest area, green open space in urban area.
- PP 26/2008. Policy development on natural productive soil: maintain conservation area, pro to area protection.
- Direction on controlling natural spatial utilization: need regulation
- Maintain Jawa as resource of food and other resources.
- Presidential Regulation number 54 Year 2008: Jabodetabek spatial management, lead to spatial structure and pattern plan.

- Land use plan: up stream is protected for water and environment.
- Improvement steps in spatial management are done by execution and supervision.

Highlight:

- Focus to add and maintain infrastructure for the last plan.
- How to cover garbage.
- The need of change, need policy
- There is different interest in using the space
- How to improve teamwork
- spatial usage

Discussion:

1. *Mr. Suherman from Balai PSDA Ciliwung Cisadane to Mr. Soesmono*

It's the effort on maintaining environment, garbage, drainage, and housing. How far is the effort of teamwork between government provinces, kotamadya or kota in applying the activity, adjust with technology, law, and human empowerment.

Answer:

From *Cipta Karya*: promoting pilot project in 100 locations.

SESSION II: ISSUES AND ACTIVITIES FOR FLOOD MITIGATION IN PROVINCES

Speakers: BAPPEDA Provinsi DKI Jakarta, BAPPEDA Provinsi Jawa Barat, and BAPPEDA Provinsi Banten

There was no discussion or Questions and Answer

Lunch Break

SESSION III: TRAINING REPORT IN JAPAN

Speakers: Ir. Sulad Sriharto, Dipl. HE., and Ida Ayu Gede Mirah Arnadi, ST, MT

There was no discussion or Question and Answer

SESSION IV: COMPREHENSIVE FLOOD MITIGATION IN JAPAN

Speakers: *Mr. KUSAKABE Takaaki*, Chief Advisor of the Institutional Revitalization Project for Flood Management in Jabodetabek

There was no discussion or Question and Answer

SESSION V: REPORT OF JICA PROJECT ACTIVITIES

Speaker: *Mr. SHINGU Tamotsu*, Deputy Team Leader of the Institutional Revitalization Project for Flood Management in Jabodetabek

There was no discussion or Question and Answer

SESSION VI: NON STRUCTURAL MEASURES, CHALLENGES AND INTERAGENCY COLLABORATION ON FLOOD MANAGEMENT JAKARTA

Speaker: *Mr. Roy Timmer*

There was no discussion or Question and Answer

Coffee break

SESSION VII: PANEL DISCUSSION

After listened to all presentation, the audience is invited to think about how to coordinate and collaborate all agencies and institutions to work in a team and design a program on flood mitigation. The objective of this panel discussion is to establish coordination among authority concerned about mitigation measures to be applied in Jabodetabek.

Speakers:

1. Director of Building and Environment, DG Cipta Karya;
2. DG Spatial Planning;
3. Head of Public Works Agency of DKI Jakarta;
4. Head of Water Resources Development of Public Works Agency of West Java;
5. Head of Water Resources Development of Public Works Agency of Banten.

Moderator: Ir. Widagdo, Dipl. HE

The problem is based on master plan covering spatial management, environment management, and drainage technique. The scope is BAPPEDA DKI, with having concerned on local area and the neighbor provinces. Also, the expectation is that conservation is done with forestry ministry. The agency's role is on the regulation making, etc. Plan management of structural measures is needed to implement in short, middle, and long term. Then the approved substance is put into matrix set coordination.

1. Public Works Agency of DKI Jakarta: *Mr. Budi Widiantoro*
   - Jabodetabek could not be separated because DKI is closed with other areas.
   - It is lucky that high rain fall, tidal, up stream and rain fall never come together.
   - Cipta Karya should cover the problem on garbage in river which has arrived in Seribu islands
   - Cipta Karya should be able to cover garbage in 13 big rivers

2. Spatial Planning: *Mr Raymon Kemur*

- Regulation on absorption well to prevent flood is not appropriate anymore. We may check the volume of water in the ground.
- One solution is probably by giving tax for rich people regarding land use and water absorption. To support high absorption near river and housing area, one way is by planting trees.
- Regulation for absorption area. Government should not provide any facilities in certain area (near river) so people do not move and build houses there. When government builds road above rivers, people will build house near it. If government builds rail road above rivers, people will not stay there. The next step is to build plan to reduce water flow to river.
- All city sectors should develop and discuss the priority.

3. Director of Building and Environment, DG Cipta Karya, Mr. Soesmono

- PBL (Penataan Bangunan dan Lingkungan) is involved in flood management. The problem is on the regulation for building houses and any other buildings. With high rain fall, water will go out off the building because the drainage is weak. Right now we are waiting the approval of ministry regulation on how to build buildings.
- We can feel that cities are hotter than villages, about 8 degrees hotter. When trees absorb water, its effect is on the temperature change. There will be more regulation in province and city regarding this because temperature change will create another problem.
- The function of Sertifikat Layak Fungsi (Functional Appropriateness Certificate)

4. Head of Water Resources & Settlement Public Works Agency of Banten, *Mr. Winarjono*

- Banten has consistency to handle flood. The concern is both on structural and non structural 2008 -2009 for Cisadane river.
- Pasar baru weir improvement. Planning program for other rivers. The recent problem is that implementation of land aquistion is not maximal.
- Suggestion: Pasar Baru weir design should be revieved. It needs further analysis on how long will it survive.
- River development of Cisadane and situ Cipondoh about 116 ha to contol flood and drinking water conservation.
- The need to improve the teamwork capacity since DKI and Banten are closed each other. People in Jakarta work in Banten and vice versa. There is also need for socialization.
- DKI needs to build Ciawi and Cisadane dams to supply drinking water.
- Institutions matters: partnership among agency.
- River Mokervart is half in Jakarta and half in Banten. It needs standard operational between DKI and Banten.

5. Secretary of Dewan Nasional Sumber Daya Air (National Council of Water Resources), *Mr. Imam Anshori*
   - Wonder whether this collaboration could happen. It is expected to build agency to handle flood in DKI but it is not formed yet till now. There is a suggestion to establish team as embryo to handle 6 big rivers which members involve government and non government participations.
     a. The team can be integrated and focuses on flood. To support the work, there is a need to set a secretariat to facilitate dialogue and materials. DKSP is available to be the secretariat. After building team, the next step is to set the vision. The team will formulate all material and consult to Dewan Sumber Daya Air Nasional (National Council of Water Resources). There is another sector that can be involved in the team or as consultant. For example: PLN, Gas, etc.
     b. To formulate program and substance we need:
     1. Policy
     2. Structural
     3. Non structural

   - This plan needs commitment from all members. At first the team is just small, and later it will grow to be a big team. The team has two parts: core team and support team.

6. *Mr. Djoko Sasongko*; Head of Water Resources Development of Public Works Agency of West Java;
   - How to implement revitalization in 2008. Focus is not on concept anymore but how to execute regulation.
   - Master plan 1973 is for DKI while master plan 1997 is for Jabodetabek
   - Delta Q policy, building absorption well is stated in regulation.
   - To utilize technology in coordination.
   - Curious whether master plan 1973 is still valid.
   - Concern on how to utilize grant from developed countries such as JICA projects
   - Agree that developer should consider drainage conservation.

7. *Mr. Imam Anshori*
   - The collaboration is a process which has one vision and each institution does its function. JICA and Dutch hopefully will support.
   - Many regulations are not executed and there is not up to date.
   - The result of this seminar: we need collaboration to handle flood.

ATTACHMENT 4-1

SUMMARY/RECAPITULATION *by Mr. Widagdo*

Summary: how to build effective flood mitigation, how to coordinate all agencies and components, how to collaborate policy.

Questions from participants:

1. How to make inventory
    - Using Structural method, integrating lesson plan 1973 and 1997. Structural method covers on stream and off stream.
    - Apply strategic policy and non structural.
2. All related agencies have commitment. We need team or board as embryo, not only not only for agency but also donor institutions.
    - There are two components: integrating plans and how to establish disaster handling

As closing it is stated that a team will be established involving all agencies and the committee needs time for doing it.

CLOSING REMARKS *by Mr. Widagdo*

ATTACHMENT 4-2

NOTULEN
WORKSHOP ON FLOOD MITIGATION IN JABODETABEK

1. Day/date : Wednesday-Thursday, July 29th-30th, 2009
2. Time : July 29th, 10.30am - July 30th 13.00 pm
3. Venue : Salak Hotel, Bogor
4. Agenda : ***Day-1***

   a. Report of Workshop

   b. Objective of the Workshop

   c. Flood Management and National Development Program

   d. Presentation and Discussion on Topic I (Manual for Inventory and River Structures)

   e. Presentation and Discussion on Topic 2 (Maintenance manual on River Structures)

   f. Presentation and Discussion on Topic 3 (Facility Evaluation Manual for River and River Structures)

   g. Presentation and Discussion on Topic 4 (Operation Manual on Gates and Pumps)

   h. Presentation and Discussion on Topic 5 (Manual for Post Flood Survey)

   i. Presentation and Discussion on Topic 7 (Manual for Drawing up Probable Flood Area)

   Day-2

   j. Presentation and Discussion on Topic 6 (Flood Alert Manual)

   k. Presentation and Discussion on Topic 8 (Guideline for Run-off Control in Basin)

   l. Conclusion of Workshop

5. Participants : 1. Direktur Sundawa, Ditjen SDA
   (Director of River, Lake and Reservoir, DG.Water Resources, **Ir.Widagdo,Dipl. HE**)

   2. Kasubdit OP&PBA, Dit. Sundawa, Ditjen. SDA
   (Head of Sub-Dit. Operation and Maintenance and Natural Disaster Fighting, Dit. River, Lake and Reservoir, **Suhartono, ME**)

   3. Kepala Seksi Wilayah Timur, Sub-Dit. OP & PBA, Dit. Sundawa, Ditjen. SDA
   (Section Head of East Region, Dit. O&M and Natural Disaster Fighting, DG. Water Resources, **Ir. Subardjo**)

   4. Kepala Seksi Wilayah Barat, Sub-Dit. OP & PBA, Dit. Sundawa, Ditjen. SDA
   (Section Head of West Region, Dit. O&M and Natural Disaster Fighting, DG. Water Resources, **Ir. Surya Dewanto,Sp.1**)

   ● *MODERATOR*

   5. Kasubdit Perencanaan Teknik, Dit. Sundawa, Ditjen. SDA
   (Head of Sub-Dit. Technical Planning, Dit. River, Lake and Reservoir, DG. Water Resources,**Ir. Slamet Budi Santoso, Dipl.HE**)

6. Kasubdit Hidrologi dan Kualitas Air, Dit. BPSDA
   (Head of Sub-Dit. Hydrology and Water Quality, Dit. Water Resources Management, DG. Water Resources, **Ir. Leonarda Ibnu Said, M. Eng.)**
7. Kasubdit Bangunan dan Gedung, Dit. Penataan Bangunan dan Lingkungan
   (Head of Sub-Dit. Building and Structure, Dit. Building and Environment Arrangement, **Ir. Eko Djuli Sasongko, MM**)
8. Kepala Bidang Perencanaan dan OP, BBWS Ciliwung-Cisadane

   (Head of Sector Planning and Operation & Maintenance, BBWS Ciliwung-Cisadane, **Febri Iman Harta, ME**)
9. Kepala Bidang Bina Manfaat, Dinas PSDA Jawa Barat
   (Sector Head of Water Resources Management Agency of West Java, **Ruchimat,ME**)

● *PRESENTER TEAM*

10. **Ambar Puspitosari**, Staff of Sub-Dit. Policy and Strategy, Dit. Programming, DG. Water Resources
11. **Hendra Ramdhani**, Staff of Sub-Dit. Technical Planning, Dit. River, Lake and Reservoir, DG. Water Resources
12. **Nila Aliefia Fadli**, Staff of Sub-Dit. Implementer of West Regional, Dit. River, Lake and Regional, DG. Water Resources
13. **Pujiono**, Supervisor of East Banjir Canal construction, BBWS Ciliwung-Cisadane
14. **Heru Purnomo**, Supervisor of East Banjir Canal construction, BBWS Ciliwung-Cisadane
15. **Taufan Andrianto**, Staff of Sub-Dit. Operation & Maintenance and Natural Disaster Fighting, Dit. River, Lake and Reservoir, DG. Water Resources
16. **Romelan**, Supervisor of East Banjir Canal construction, BBWS Ciliwung-Cisadane
17. **Kiki Murdiani**, Staff of Sub-Dit. Operation & Maintenance and Natural Disaster Fighting, Dit. River, Lake and Reservoir, DG. Water Resources
18. **Andwi Widyanto**, Staff of Sub-Dit. Controling Water Resources Management, Dit. Water Resources Management
19. **Sumarno**, Staff of Sub-Dit. Hydrology and Water Quality, Dit. Water Resources Management, DG. Water Resources
20. **Fikri Abdurahman**, Staff of East Banjir Canal construction, BBWS Ciliwung - Cisadane
21. **Juniferanne Brahmana**, Staff of Sub-Dit. Controling Water Resources Management, Dit.Water Resources Management
22. **AyuSuci**, Staff of Sub-Dit. Hydrology and Water Quality, Dit. Water Resources Management, DG. Water Resources
23. **Pilas Agita**, Staff of Dit. Spatial Planning Regional II, DG. Spatial Planning
24. **Lina Fitriani**, Staff of East Banjir Canal construction, BBWS Ciliwung- Cisadane

ATTACHMENT 4-2

- *PARTICIPANT*

** DG. Water Resources*

25. **Widyayuni Nur**, Staff of Sub-Dit. Institutional, Dit. Water Resources Management
26. **Anggia Satriani, M.Eng.,** Section Head East Regional, Sub-Dit. Technical Planning
27. **Surendro, ST**, Particular Staff of DG. Water Resources
28. **Lufiandi, ST**, Staff of. Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake and Reservoir
29. **Agus Priyono**, Staff of. Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake and Reservoir
30. **R. Pringgono, S. Sos.**, Staff of. Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake and Reservoir
31. **Siti Nuraini, S. Sos.**, Staff of. Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake and Reservoir
32. **Hetty Thris Purdiyanti, SE**, Staff of. Sub-Dit. O&M and Natural Disaster Fighting, Dit. River, Lake and Reservoir
33. **Anggrahini, B.Ac.**, Staff of Work Unit of Dit. River, Lake and Reservoir
34. **Drs. Sutisna**, Staff of Work Unit of Dit. River, Lake and Reservoir
35. **Adi Sutjipto**, Staff of Work Unit of Dit. River, Lake and Reservoir
36. **Asman, BA**, Staff of Work Unit of Dit. River, Lake and Reservoir
37. **Hemiyarti**, Staff of Work Unit of Dit. River, Lake and Reservoir
38. **Arlinsyah, MT.**, Head of Sub-Dit. Public Relation

** DG. Human Settlement (Dirjen.Cipta Karya)*

39. **RG. Hari Susanto**, Section Head of Technical Operation Management, Sub-Dit. Development of Drainage and Garbage System, Dit. Development of Settlement Sanitation
40. **Rogydesa, ST**, Staff of Building and Structure, Dit. Building and Environment Arrangement

** DG. Spatial Planning (Dirjen. Penataan Ruang)*

41. **Reny Windyawati, S.Si, MSc.**, Section Head of Management Metropolitan Spatial Planning

** Public Works Agency of DKI Jakarta (DPU DKI Jakarta)*

42. **Ir. Herning Wahyuningsih, MT**, Section Head of Implementation and Controlling of Facility & Infrastructure of Flood Control

** Regional Development and Planning Board of DKI Jakarta (BAPPEDA DKI Jakarta)*

43. **Ir. Hendradman Dewantoro, MM**, Head of Sub-Sector Water Facility and City Utility

** City Planning Agency (Dinas Tata Kota)*

44. **Yanuar Riady**, Section Head of Prepation and Guidance of Work Program
45. **Budi Haryadi**, Section Head of Green-Opened Space and Spatial Building

** Water Resources and Settlement Agency of Banten Province (Dinas SDAP Banten)*

46. **Endang Sudrajat, ST,M.Si,** Staff of River and Coastal Section
47. **Yusuf Sugiman, ST**, Staff of Balai PSDA Cidurian-Cisadane
48. **Herry Syafari, ST**, Staff of Balai PSDA Ciujung-Ciliman
49. **Budi Muhibudin Budiana,** Staff of Planning and Programming Section, BBWS Cidanau-Ciujung-Cidurian
50. **Dedi Masudi, ST**, Staff of River and Coastal Implementer, BBWS Cidanau-Ciujung-Cidurian
51. **Imam Budiman, ST, BE, MM**, Section Head of Lake and Reservoir, BBWS Cidanau-Ciujung-Cidurian

** Regional Development and Planning Board of Banten Province (BAPPEDA Banten)*

52. **Khairuddin, ST, M.Si**, Head of Sub-Sector Water Resources Infrastructure

- *Other names are listed in attachment (attendance list)*

Progress of Meeting:

Day-1, July 29th 2009

A. Welcome Address, by Master of Ceremony

B. Report of Workshop by **Mr. Suhartono,** Head of Sub-dit. Operation & Maintenance and Natural Disaster Fighting

C. Opening Address by **Mr. Kiichi TOMIYA**, Deputy Resident Representative of JICA

D. Opening Address by Director General of Water Resources who was represented by **Mr. Widagdo**, Director of River, Lake and Reservoir

E. Objective of the Workshop by **Mr. Tamotsu SHINGU**, Deputy Team Leader of The Institutional Revitalization Project for Flood Management in JABODETABEK

F. Flood Management and National Development Program by **Mr. Widagdo,** Director of River, Lake and Reservoir

---

G. Presentation and Discussion on Topic I: **Manual for Inventory of Rivers and River Structures**

ATTACHMENT 4-2

Presenter : *Ambar Puspitosari*, Hendra Ramdhani

Resource Person : Tamotsu SHINGU, Sarwono Sukardi

Moderator : Slamet Budi Santoso

Presentation time : 11.40-12.30pm

1. *Iman Budiman (BBWS C3)* :

- It is better that the inventory system of river structures started from downstream to upstream for the ease and following the existing system which related to sea water level.
- What will be happened if after coding, a new structure is constructed between the existing two structures?

Answer :

For coding system in Ciliwung river, it is limited only 4 Orde. At present, the numbering system is from upstream to downstream.

2. *Ajad Sudrajat (BBWS Serayu Opak)* :

- For the background, it is better to include Regulation Minister Number 42 (certain article) as the fundamental for river management.

Answer by Presenter Team:

- We will consider the recommendation about the background.

Additonal comment from JICA Team:

Sarwono (JICA):

- Regarding the coding system from upstream to downstream, it is not a problem. Because the coding system of distributary is 3 digits (maximum is 999). So, if Ciliwung river has 56 distributaries, then 56000 numbers are available. For Orde in the end downstream, code of its river/ distributary in the upstream is mentioned behind the coding to avoid the confusion. Regarding the location of distiributary, the odd number code is for river on left side of main river and even number code for river on the right side of main river.

- In case of new structure constructed between two existing structures, the coding may use in random. For example between 010 and 020, there are 9 numbers might be used; even if those already used, then additional code might be used at the end, for example 011A, 011B, etc.

3. Widianto (Bappeda Jabar)

- From planning point of view, this manual is the fundamental reference and information about the structures existing in the river.
- Keterkaitan mengenai lokasi belum terlihat karena tidak digabung dengan peta sehingga ke depannya perlu digabungkan dengan peta daerah (masukan).
- The relationship of location is not found yet due to map is excluding in this coding system. So, the map of related area shall be included. (Recommendation)

- For the ease of user, the system shall be designed simply and practically. (Recommendation)
  It is better that the zoning of structure is divided based on regency/ municipality or District.

4. Khaeruddin (Bappeda Banten)

- I really support the making of this inventory system and hope that it could be completed shortly.
- The citeria should be clearly defined. For example, Situ. What kind of data is used, old data or actual data (updated)? It is important for the optimal database.

5. Rudi Hartanto (BBWS Brantas)

- The scope of presentation is too general. If the purpose for Operation and Maintenance, then it should be River Inventory Maintenance which informs the broken structures, etc.
- Hopefully in the future, it is connected with GIS

Answer by Hendra :

It is true that if the inventory is good to be mapped. In this database, we already made the coordinate. We hope in the future we can improve it can be developed on the GIS system.

Sarwono :

Regarding the delivery to the user, we strongly agree. Actually we had planned it but because the very short time (only 2 months) it could not be done. For the future it will be implemented and for GIS systems will also be included.

H. Presentation and Discussion on Topic 2: **Maintenance Manual on River Structures**

Presenter	: Nila Aliefila Fadli, Pujiono, Ambar P
Resource Person	: Tamotsu SHINGU, Sarwono Sukardi
Moderator	: M. Ruchimat
Presentation Time	: 13.50-14.40 pm

1. Eko Djuli Sasongko (Ditjen. Cipta Karya)

- For the background of Law, the reference shall be Government Regulation instead of the Minister Regulation. According to the procedure, making manual starts from Law (UU) then continued to Government Regulation (PP) and after that Minister Regulation. So, please find the Government Regulation concern on river maintenance.
- As the activity is closely related with Local Government, it is better to mention the Local Government Regulations that related with this manual.

Answer from Pujiono:

- We accept your recommendation and will find the Government Regulation which related with this manual.

2. *Adi Susanto (Ditjen. Cipta Karya)*

- Is the scope of this maintenance manual only in Water Resources Agency ? If yes, then how about the other agencies?
- For the other kind of structures (such as gates, pump, etc), are they included in this manual? Because I did not find those structures in the presentation.
- Since the purpose of the inventory is for all rivers in Indonesia , why not all of the assets in the river included?

Answer by Pujiono:

- This manual only focus on Ciliwung Cisadane river basin, so all the structures found in this river basin are included.

Nila :

- Yes, in this case inventory is only for Ciliwung Cisadane river basin. Perhaps, the result can be used as the basis to make manual for the other rivers by modifying based on the characteristic of related river.

Additional answer by Sarwono (JICA) :

- Since thisis draft for manual, so the name of river should be mentioned. It means each river has its own manual.
- The structures being inventory not only for structures which related with Water Resources agency, but for all structures found in the river.

3. *Question by Herning from Dinas PU DKI :*

- Waste is one of bad impacts in river for DKI Jakarta area. Is this manual concern about waste problem? How about the maintenance regarding the waste?

Anwer by Nila :

- Waste is excluded in this manual. Perhaps, in the future it will be included. However, it should be coordinated with the related agencies.

4. *Bappeda Jabar* :

- I think the purpose of making this manual is to facilitate the surveyor/ field officer in monitoring and recording the information. Therefore, simple form is necessary.
- If possible the recording system (form filling) is checklist form. So, the form should make list any of possible conditions.

Answer by Nila:

- We will consideryou reccomendation. For the recording system (form filling), there are two (2) types; however we still study about it.

5. *Kamil Maruf (BBWS Sumatra VIII) :*

- Regarding the budget planning, if possible the budget estimation is made based on the length of river.
- In data collection, percentage of existing situ-situ and polder shall be included.

Additional answer by Sarwono:

- Untuk perencanaan anggaran tidak bisa disamakan karena berbeda-beda tergantung lokasi dan karakteristiknya.
- Situ-situ dan polder sudah dimasukkan namun namanya digabung.

Additional answer by Mr. Sarwono (JICA):

- For the budget planning can not be generalized for every river, it depends on the location and characteristic of the river.
- Data of Situ-situ and Polder have been included, however the names were collected together.

I. Presentation and Discussion on Topic 3: **Facility Evaluation Manual for River and Rivers Structures**

Presenter : Heru Purnomo, Nila AF, Mariana

Resource Person : Tamotsu SHINGU, T. SATO, Sarwono Sukardi

Moderator : M. Ruchimat

Presentation Time : 14.25-15.20pm

Tidak ada sesi diskusi.

(No discussion in this session)

J. Presentation and Discussion on Topic 4: **Operation Manual on Gates and Pumps**

Presenter : Taufan, Nila, Romelan

Resource Person : Tamotsu SHINGU, T. SATO, Sarwono Sukardi

Moderator : Suhartono

Presentation Time : 15.50-16.25pm

Question 1 by Eko Djuli Sasongko (Cipta Karya)

On page 3 was written that this involves PU (public Works), Pertamina, Industrial and Environmental, etc. It means, at least Presidential Regulation or Government Regulation is used as references. In fact, I did not find in this presentation. It is too general. Therefore, it shall be more specific at the Operation of Gates.

Question 2 : (input) by Hendro

The analysis result is pretty good; however no alternative way is recommended if any failure/ problem in pump. For instance in case of pump is broken, what should do? Thus, if necessary add information of alternative in case of pump is broken or has problem.

Question 3 from BBWS

I agreed with Mr. Eko. How about the pump operation, what is the input? Which agency should be coordinated with?

Answer by Taufan

1. To Mr. Eko, it is not included in the manual. I just wanted to explain a little process of making Operation and Maintenance Manual.
2. To Mr. Hendro: the scope was limited; it is assumed that pump is under normal condition. Therefore, maintenance is very important so as to all plans run smoothly.
   Actually JICA Team now is doing study of pump operation in damage condition. However, it is still in research and need improvement. But the new phase of study, because it must be completed first. Therefore maintenance is very important to all who planned to run smoothly.

Answer by Sarwono:

To Mr. Rendro: I agreed that the alternative operation when pump is broken is necessary. In fact, the actual condition of existing pump is broken. We have made calculation when the pump is damaged. Though we still lack of data, because we only get the reservoir volume data from 4 cross-sections, so the level of accuracy is very worrying. On the other hand, in the middle pump house, 2 of 4 pump units are not working. So the actual condition is the capacity now far below the existing capacity. Fortunately, we have dry season until September and is expected next September emergency operation rule is well prepared. That is the reason why we do not explain about the alternative operation when pump is broken.

Question 4 (rekomendasi) by Ajat Sudrajat

Input: the management of Water Resources no needs to be dismissed; however, regarding the legality of coordination with Agriculture, Forestry, and Public Work agency must cover BKPN. It is included in declaration of President April 2005, Decree of three ministers and the Declaration which signed by 11 ministers.

Input 5

If the purpose is to discuss about pump and gate operation, the presentation shall be more specific. Moreover, the ouptput will be manual of pump operation in downstream Ciliwung. Discussion shall be focused on the paradigm of operation, such as start from input, what kind of information/ warning received from Katulampa, operation rule of gate (gate opening), the arrangement, etc. Even better if the actual condition and the countermeasures been taken are also explained.
If you want discuss more about regulation, supposedly Presidential Regulation No. 54 concern on Spatial Planning shall be included.

K. Presentation and Discussion on Topic 5: **Manual for Post Flood Survey**

Presenter : Hendra R, Kiki MM

Resource Person : Yosuke USUI, T. IMAGAWA, Tamotsu SHINGU, Sarwono Sukardi

Moderator : Febri Iman Harta

Presentation time : 16.25-17.00 pm

1. *Ruhimat (PSDA Jabar) :*

- I think the most suitable title for the manual is Flood Alert Manual, isn't it? Then, when the manual is used? It shoud be explained clearly.
- The rationalization of location should be evaluated whether proper or not.
- For reporting, what kind of event should be reported? Regarding to inundation or river overflow?

Answer by Hendra:

- The monitored locations will be researched by including the clasification (prone area, dangerous area, etc).
- For monitoring areas will be reviewed to include the classification of area (from vulnerable areas, very vulnerable, etc.).

2. *Ajad Sudrajat(BBWS Serayu Opak)*

- I am still confused with the presentation. At first, it was said that the data collection is still messy. But, the next slide shows that there is flow chart data from bottom to top including the coordination. Please be reviewed in order to avoid confusion, there should have been good coordination of data among institutions.
- Why in the scope of work, the depth of inundation is excluded? In fact at the present Ciliwung River has telemetry system which obtain inundation depth data.

Answer by Hendra:

- For an existing data collection was coordinated (eg SOPs) but for modeling data collected is still difficult. For example is inundation data which the measuring time not clearly mentioned whether at the peak of flooding.
- Regarding the inundation depth, telemetry system only record the depth of river. Hence, the data of inundation depth in the settlement can not found.

3. *Input from Eko Djuli Sasongko (Ditjen. Cipta Karya) :*

- The making of this manual shall be in coordination with BNPB (National Board of Disaster Fighting) also with Spatial Planning Agency in DKI Jakarta.

Answer by Hendra :

- In the making process of this manual, we also involved engineer from DG. Spatial Planning and DG. Cipta Karya as we know that this manual is closely related with RTRW (Spatial Planning).

Additional answer by Sarwono :

- I agreed with Mr. Eko. To enhance the result of this manual, in the next discussion of manuals in November we will invite the representatives from Spatial Planning also from Bina Marga as flood problem often take place on the road.

L. Presentation and Discussion on Topic 7: **Manual for Drawing up Probable Flood Area**

Presenter : Hendra Ramdhani

Resource Person : Makoto YONEKURA, Tamotsu SHINGU, Sarwono

Moderator : Eko Djuli Sasongko

Presentation time : 17.00-17.25pm

Question 1 from Kiki (Subdit. O&M and Natural Disaster Fighting)

1. What is the relationship between map and Manual-5, previous presentation delivered by Mr. Hendra? What is the contribution of M-5 with this manual?
2. Is the map has been calibrated with the actual condition?

Question 2 from Herning -DPU DKI

Is this program has expire date like program from Dutch?

Answer 1 by Hendra:

1. At present we need data from flood prone areas; It is also required for the previous presentation 'Post Flood Survey", those data should be calibrated particularly survey data. Unfortunately, we do not have it yet.
2. Survey was conducted after the inundation occurred, then in the next day re-surveyed for more details.

Answer 2 by Sarwono:

1. This program does not have expired date as the program was specially developed by team JICA for JABODETABEK area named JYEECS.
2. There are many kinds of mapping, such as Flood Mapping (River and Dam), Flood Forecasting Flood (3-6 hours before flood), and Historical Flood (computation result of evacuation plan or hazard map).

Answer 3 by Mr. Shingu
This program is made for this project.

Day-2, July 30th 2009

M. Presentation and Discussion on Topic 6: **Flood Alert Manual**

Presenter : Andi Widyanto, Sumarno, Fikri A.

Resource Person : Yosuke USUI, T. IMAGAWA, Tamotsu SHINGU, Sarwono Sukardi

Moderator : Leonarda BAI

Presentation Time : 09.25-10.00am

Input 1 from Rizali-BBWS Ciliwung Cisadane:

To know the condition of water level in general, people can access www.jakartacityview.com (for example the water level in Katulampa and Manggarai Station). For the real time database can contact the related agencies. It is expected from those data there is socialization with the stations in downstream.

Input 2 from BBWS Cidanau Cidurian:

How about if in every flood prone area, medium based on alert level (alert 1, 2, 3) is made. For instance in Central Java, Alert 1 is symbolized with Blue, Alert II Yellow, Alert III Red, etc. And it is not technical matter only, but also mentioned in the manual so Local Government/ Central Government/ Autonomy Government can use the manual as reference.

Input 3 from Eko Djuli Sasongko (CK):

Suggestion: The concept of flood early warning should be coordinated with BNPB (National Board of Disaster Fighting), and then BNPB will coordinate with Local Government/ other related agencies.

Input 4:

Please see figure on page 7 slide 1 (on the top), it can not make river with such like dike. Dike shall have flood plain.

Question:

Is it the correct definition of *lead time*? Usually lead time is time from the information accepted by inhabitants to the time of disaster. It is suggested the interval time is 6 hours

Answer by Andi:

1. For Mr. Rizali: Information about website will be added.

2. For BBWS CC: This manual is included for flood information and dissemination, to inform the inhabitants what should to do when flood comes and the condition during flood.

3. For Mr. Eko: We will consider the suggestion to have coordination with BNPB (National Board of Disaster Fighting), as our next target is restructuring.

4. For Mr. Budi: We accept your suggestion. About the lead time we discussed here, it does not mean that 3 hours after lead time flood will occur. But we consider the time for the inhabitants after receiving information to evacuation to safe place is 3 hours. Maybe the term used is not inappropriate, we shall find more appropriate term.

Answer by USUI:

1. Regarding Jakarta City view, we already conducted survey through internet or other media, but no description for existing manual. We want to input their information into manual.

2. Input from BBWC, in case of Katulampa, existing alert water level colored in the stage gate. We can see the water level and color in Jakartacityview.

3. For Mr. Eko: we consider future revision. We consider how to outline the manuals. Now we consider like that.

4. For Mr. Budi: about lead time, now we consider information from the official, and the inhabitant prepare-packing their belongings and then inhabitant run away from their house into safety place. Now, we consider like that. But in case of before that activity, official announced some activity: now that the safe maybe 2-3 hours before the flood, go to evacuation order we issued, like that, maybe it is important issues that information from the official.

5. Relationship between Depok and Manggarai, we already survey. Last time from Depok to Manggarai 3-20 hours. Average is 10,8hour. And there is not so good relationship the discharge from Manggarai and Depok. But almost 1 by 1, for example in Depok 1cubic meter, almost same with Manggarai.

Answer by Sarwono

It is right that there is Law concern on National Board of Disaster Fighting (BNPB), even more the Government Regulation and Minister Decree in form of Standard Operation Procedure (SOP) and disaster management are available. According to the Law, there is a board for local disaster management (BNPB) in province level and regency/ municipality. However, such kind of board is not established yet in DKI Jakarta; it is still Coordination Implementer Unit.

N. Presentation and Discussion on Topic 8: **Guideline for Run-off Control in Basin**

Presenter	: Anne, Ayu SW, Pilas Agita, Lina F
Resources Person	: Takaaki KUSAKABE, M. Yonekura, Tamotsu SHINGU, Sarwono Sukardi
Moderator	: Leonarda BAI
Presentation Time	: 10.05-11.00am

Input 1 from Ir. Slamet Budi Santoso

I think the presentation is very important issue. As Mr. Leo (Moderator) said that the new paradigm of flood control is not “Flood Fighting”, but “Flood Management”. Flood management is not conducted in river only. I hope that the Japanese experts may introduce and explain to us the “river to basin” system which very famous there. That system means that flood control is not only conducted in river only, but also in all basins. Moreover, it is expected that the team can add some detail information which might be applied in the condition of Jakarta.

Input 2 from Ir. Eko Djuli Sasongko

This is very interesting issue. Beforehand, we from Directorate Building and Environment Management used to think that run-off is not our matter. When we joined site survey to Depok, we realized that many shopping malls disposed of outside the lot their run-off 100%. Though some of our ideas had been rejected, we keep trying and finally were accepted. We prepare some drafts of regulation concern on run-off control such as Decree of Public Works Minister which will be consensus soon. Besides that, we also make regulation for the shopping malls. We will restrain their storage facility by limiting the channel, so the excess discharge will be flooded their own area. Regarding the capacity of storage, we will work together and have coordination with Mr. Bambang from Directorate PLP because he has its guideline.

Question 1 from Ir. Eko Djuli Sasongko

I have question about page 28, on the top of slide number 6 “installation for storage facility”. There is mentioned that that the percentage of storage facility for housing complex, parking lot, etc; how do you get that number? What is the source? Please explain to us, for our reference.

Question 2 from RG. Hari Susanto

From what has been described as a whole this is a theory. Indeed the condition of our city is various, some parts are crowded and some are rare. In manual is expected the separation, how to manage such a crowded city of Jakarta is, because as a whole Jakarta is difficult to apply those methods. How about this manual, the discussion will be in general or more specific?

Answer by Anne

The source of information is survey which conducted by JICA.

Anwer by Kusakabe

Actually we make this ration using detailed city plan, but you may know the municipality city planning on the way revised, so we have to use old data, so this is old data, and unfortunately each municipalities using different category of Spatial Planning, so finally we have to classified by our self, so before I ask Pak Firman, for next stage they now making new detailed plan based on National Spatial Planning & JabodetabekPunjur Planning, I want to ask them to use same category to use land use classification. Anyway, this from each municipality Spatial plan in here.

Answer by Shingu

This is standard in Japan which has so many installations. So, Ministry of Construction collects the data of actual facilities, and that is average data in Japan. So, some are small areas, some are big areas, installed storage facilities, so averagely calculated. How much percentage can installed to each purposes. For detailed I can show you later.

Answer by Anne

Masalah penyamarataan, dilihat dari kondisi tiap daerah memang kita tidak bisa meng-generalisir, mungkin nanti kita akan memberikan exception untuk daerah yang seperti ini lebih cocok menggunakan cara yang mana.

Regarding the generalization, we can not generalize the condition of every area. We will make the exception, which method is suitable for certain area.

Input and Question 3 from Reny –Tata Ruang

1. I really appreciate because there are many inputs. Admittedly, thus far Spatial Planning Agency has been focused on economic than environment aspects. However, due to the development condition at present, we also have to concern the environment aspect.

2. In the picture on page 4, of Land Use Changes, the percentage on the picture of future is 89%. Please check this again, because Law of Spatial Planning rules that 30% of River Basin Area should be a protected forest. It means that condition will be impossible.

3. This guideline has to do with the land use of province or regency which can be seen from the detailed designs. Run-off control depends on the condition of certain province or regency. There are housing complexes / areas which Floor Space Ratio (FSR) is high about 80% developed, and some with low FSR. Therefore, it's expected that this guideline would also give guidance for area which has different FSR one to another.

4. DKI Jakarta is mixed-land use, which means not only consist of residential areas, but also business areas, governmental areas, etc. How is the run-off control in this kind of area?

5. For a certain region, how is the minimum area that must use the run-off control?

Input 5 from Rizali-BPSDA

Infiltration from upstream to downstream can take tens of years of travel. The elevation of Jakarta is under sea level. Then, the withdrawal of ground water caused land subsidence. So, it is necessary to control of ground water withdrawal; moreover, ground water recharge can take tens of years. One of the causes of flood is land subsidence resulted by ground water withdrawal and imposition on the ground. Thus, the ground water withdrawal and imposition should be estimated, also the control of infrastructure in downstream.

Input 6 from Herni S-DPU DKI

Nowadays, DKI Jakarta is thinking about clean water issues. There was an idea to make multipurpose tunnel, which could functioned as toll roads, utilities, etc. during dry season and to storage water during flood. So, if you have any plan to make storage please consider this idea as we are in clean water shortage now.

On the topic of Land subsidence, certainly it relates to ground water. In this case Japan make re-tunnels. Maybe in the future JICA consultant can make like that with pilot project Jakarta. If the problem regards the land (space), it can be installed under ground which is cheaper.

Input 7 :

The presentation is about flood control comprehensive in urban area; In fact flood problem is not only about water, but also sedimentation which not mentioned in previous presentation and conservation structures in the upstream. I recommend that the conservation of structures in upstream to be included. If we only deal with water, flood problem will not be solved. Comprehensive flood control means cover all problem from upstream, middle and downstream. There is an Agreement of Eleven (11) Ministers which can be used as reference for run-off control.

Answer by Kusakabe

The only purpose in case in Japan, is to retention the water in the deep tunnel it self. Of course you should select which is better to select one run-off control or expensive deep tunnel.

Answer by Moderator

There was an idea of a deep tunnel built from Manggarai and directed to the west flood canal.
I got information, in Jakarta there are 13 rivers, but none of them has clean water. Soon there will be Regulation of President concern on the management of water quality and control of water pollution in Ciliwung. We will divide into 4 parts from downstream to upstream and see what we will achieve in 20 years. It is expected that the abundant water of Ciliwung can be used as raw water and drinking water. Water conditions in Jakarta are abundant, but still we take from the Citarum and Cisadane. Not only concern on the quality, but also the quantity.

Question by Dinas Tata Kota, DKI Jakarta

1. On page 12 'Examples of Onsite Storage'. I agree with Mr. Bambang that in this case we have to distinguish for each region in Indonesia. Jakarta is different with Tangerang, Bogor and Bekasi. At no (2) there are examples of 'Retarding Facility between Buildings', a land that is used when

flood came. Whose responsibility is that? And it is included in GSB or GSC? Because it is difficult to be applied in DKI Jakarta, moreover it is only functioned during flood.

2. For JICA experts, what is the rule if we want to try in our country? What is the detailed plan?

Answer by Shingu

In Japan due to the rule to store, 500 cubic per hectare that means 50ml/hour rainfall. How to store, it needs to make in development area to make some storage areas. In this case, not only the storage facility, but also infiltration facility also installed to store 500 cubic meter per hectare. Actually Cipta karya, sometimes came to our office, to ask how to make regulation. It is important case. In Japan, target of run-off control 15ml/hour to 6ml/hour, if change into volume 500-600 cubic meter. So request to the developer, when they develop some area: please make a storage including infiltration area.

Another matter, if you want to know hydrological matter, hydrological calculation is another matter, please come to our office, I will teach you. Regulation matter and hydrological matter is different. First is Regulation matter, next how to keep is hydrological matter. 50ml/hour should be store per hectare is Japanese regulation of local Government. Run-off control is implemented by in charge of local government, by municipality. When central government asks to the run off control, it has to include flood control plan. So we already said that comprehensive flood control plan is include river improvement, the run off control in the basin. When we improved the flood control 1000cubic meter/sec, but only if the river improvement can not control it, so we ask to river basin to keep 2000 cubic meter/sec. So demarcation of design discharge is needed, when central government conducted.

When we appraise the run off control, there are 3 categories: (page 25)

1. Purpose 1 : have to formulate by Central Government as Flood Control Plan. When you want to conduct this one, it needs master plan for Flood control study. In that case, it needs to establish River Basin Organization, include municipality, province and central government.

2. Purpose 2 : already exist, known as DeltaQ0. This is only regulation, you can ask to developer to regulate DeltaQ0.

3. Purpose 3 : Individual, no plan only store 50 ml/hour per hectare, so everyone have to follow. No 2-3 no need river plan.

Question from Rogydesa-Cipta Karya

1. Related with the policy $0 \Delta Q$, later the solution is not only single purpose but multipurpose, which will be included as policy in scale of River Basin Area, regional, and structure. How much run-off discharge should be managed by every region? How much run-off discharge should be managed by every river basin area? How much run-off discharge should be managed by every structure? In the near future there will be consensus related to water management in the building area; we need the output at the level of the building to know the capacity. Then, we will consider the ability of the society (inhabitants, shopping mall owner, etc) which is not economically burdensome, but systematically.

2. What is the implementation of $0 \Delta Q$ Policy?

Answer by Anne

1. In case of the building, it will be the responsibility of building owner and scope work of DG. Cipta Karya (Human Settlement).

2. Regarding the amount 500 m^3/ ha, it is very possible and might be applied in simple ways and not difficult.

O. Conclusion of Workshop and Closing Remarks, by Pak Widagdo

ATTACHMENT 4-3

P A N E L D I S C U S S I O N

Coordination among Authority concern

A. THE PANEL

1. CHAIRMAN

Mr. Widagdo	Director of River, Lake and Reservoir

2. RESOURCE PERSON

Mr. Hitoshi BABA, Ph.D	JICA Expert
Mr. Takaaki KUSAKABE	Chief Advisor

3. MEMBER

Mr. Sulad Sriharto	Representative of Director of WR Management
Mr. Eko Djuli Sasongko	Representative of Director Building & Environment
Mr. Budi Widiantoro	Head of Provincial Public Work Office, DKI Jakarta
Mr. Nana Nasuha	Representative of Head of Provincial PWO, West Jawa
Mr. Endar Margono	Representative of Head of Provincial PWO, Banten

B. THE DISCUSSION

1. Mr. Widagdo opened the discussion by suggesting whether it is necessary to prepare "Coordination Matrix", covering inter-sector and inter-regional approach including up-stream and down-stream of the catchment area and Regencies and Municipalities Government. It is also necessary to identify any "vocal-points" and to prepare "Grand Strategy" including development of "activity-model", as well as any regulation required.

2. Mr. Sulad delivered his suggestion concerning "urban river", that is:
   - Criteria of urban-river to be simplified,
   - Preparation of draft on Ministry Decree (Rancangan Peraturan Menteri) on Urban River has to follow official procedure
   - Manual on the Management of Urban River has to wait until River Law has been established
   - Rehabilitaion of Situ Gintung can be a good example in applying Spatial Planning approach.

3. Mr. Eko Djuli Sasongko said:
   - Development of a program should follow "bottom-up" procedure, meaning that Local Government prepare the program and the Central Government is sharing.
   - Institutional (legal?) matter: Local Regulation has to be in line with the National Law.
   - Community participation should start from up-stream area, to prepare RTRW (Rencana Tata Ruang Wilayah)

4. Mr. Nana Nasuha

- In the River Basin managed by the Central Government, there are some facilities to be operated by Local Government. Central Government is expected to issue Operational Guideline.
- Agree the necessity of Grand Strategy
- National Law No. 7/2004 should have legal-statute (NSPM)

5. Mr. Endar Margono (Water Resources and Settlement Agency of Public Works of Banten)
   - He informs that in this moment, Tangerang Regency is preparing Local Regulation on River.
   - Concerning Situ, He suggests that small scale Situ to be managed by Local Government and the big-scale Situ to be managed by Central Government.
   - He inquired about BKSDA (Badan Kerjasama Sumber Daya Air), what is the follow-up program? He considered it might be necessary to encourage Central Government to initiate the forum again.
   - At this moment Tangerang Municipality planed to construct 750 bio-pori

6. Mr. Budi Widiantoro (DPU DKI Jakarta)

   - He encourage to apply strategy to retain water up-Stream, instead of flowing directly to the sea
   - About BKSDA, he recommend Central Government to take a lead
   - Spatial planning is to be applied in line with Presidential Decree on jabodetabekjur
   - At this moment, PU DKI Jakarta employ 275 persons as operator of Gates and Pumps, he worried that this number will grow bigger in the near future

7. Comment & Questions from Audience
   a. Mr. Bambang Sigit (Project Management Unit)
   - Base on Study of BWRM Jakarta conducted by ITB, it is predicted that in the future (2034?) there will be heavy rainfall that will cause a big flood in Jakarta
   - Review Master Plan of 1973 & 1997 conducted by DKI Jakarta is Considered not adequate because it covered only on-stream approach and non-structural measures

   b. Mrs. Reny Windyawati (From DG. Spatial Planning)
   - About Macro, Mezzo and Micro-drainage System in DKI Jakarta, it is necessary to generate local regulation based on National Law Concerning RTH (Ruang Tebuka Hijau/ Open Green Space) = 30%
   - It is also necessary to encourage Public Participation.

   c. Mrs. Mulyanel Chaidir (Municipal Public Work Office, South Jakarta)
   - She appealed to be given Manual on Check-dam to be constructed in up-stream area, as part of RTH 30%
   - She wonder if injection-well can be applied, especially dealing with land-subsidence

8. As Closing Remark, the Chairman said that it will be necessary to discuss in more detail to formulize coordinator among related agencies, in near future.