



Presentation on :

*3<sup>rd</sup> Thematic Workshop, Bangkok – Thailand 2006*

PJT 2

## **Season 3:**

# ***Review of The Former Workshop (1) Proposals Procedures and Evaluations***



Presentation on :

*3<sup>rd</sup> Thematic Workshop, Bangkok – Thailand 2006*

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### **1<sup>st</sup> Issue :**

No water guarantee on sustainable water availability.

### **1<sup>st</sup> Proposal :**

Regulation on Implementation of Water Law should be prepared soon regarding management concept on IWRM.



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## Procedures of The Proposals

1. Identifying related aspects based on Jasa Tirta II activities on IWRM, that depend on mentioned regulations.
2. Information and Report preparations.
3. Contributing in such related meeting and discussion on that.
4. Implementation of the regulations.
5. Monitoring and evaluations.



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## Evaluations of The Proposals

### 1. Effectiveness.

The regulation could become guidance on water guarantee concept, and correspondingly will be realized by the government through the RBO (as operators). The effectiveness could be examined based on the increment of realized regulations.

### 2. Feasibility

It is very feasible and compulsory. Without any regulation of implementation, the Water Law will be meaningless.

### 3. Sustainability

It will be sustainable if the regulations are formulated properly and accommodate entire aspects of stakeholders.

*Figure : Jatiluhur Dam, Purwakarta - Indonesia*



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### **1<sup>st</sup> Issue :**

No water guarantee on sustainable water availability.

### **2<sup>nd</sup> Proposal :**

Intensive campaign on public awareness to concern on watershed conservation and management.



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## Procedures of The Proposals

1. Identification of water degradation area as campaign point.
2. Campaign method and presentation preparation.
3. Action
4. Monitoring and evaluation



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness could be measured by monitoring the responses from the public, especially in water conservation action. Indirectly, watershed degradation will be decreased at least in local or partial area.

### 2. Feasibility

Campaign activity is feasible to be realized, however, it should be noticed that the public understanding will depend on the presentation material and social condition.

### 3. Sustainability

It will be sustainable, no significant financial required, only campaign points should be selected properly.



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### **1<sup>st</sup> Issue :**

No water guarantee on sustainable water availability.

### **3<sup>rd</sup> Proposal :**

Reviewing of applied IWRM technology on Citarum River Basin, including its upgrading and developments to ensure sustainable water availability.





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## Procedures of The Proposals

1. Identification of water quantity degradation area and the related technical aspects.
2. Technical review on related aspects.
3. Recommendation and action.
4. Monitoring and evaluation.



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness could be measured by monitoring the water quantity condition, especially during dry season. The correct selection on artificial method and technology based on actual and natural condition will influence the effectiveness .

### 2. Feasibility

The proposal is really feasible according to the availability of information of the technology so far. Event the number of qualified human resources is still limited; it could be managed quite well .

### 3. Sustainability

The sustainability of this proposal only depends on the financial support, especially during implementation of the technologies. At least it could be implemented gradually .

*Figure : Jatiluhur Dam, Purwakarta - Indonesia*



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**2<sup>nd</sup> Issue :**  
Water Conflict.

**1<sup>st</sup> Proposal :**  
Regulation on Implementation of Water Law  
should be prepared soon regarding management  
concept on IWRM.



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## Procedures of The Proposals

1. Identifying related aspects based on Jasa Tirta II activities on IWRM, that depend on mentioned regulations.
2. Information and Report preparations.
3. Contributing in such related meeting and discussion on that.
4. Implementation of the regulations.
5. Monitoring and evaluations.



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## Evaluations of The Proposals

### 1. Effectiveness.

The regulation could become guidance on water guarantee concept, and correspondingly will be realized by the government through the RBO (as operators). The effectiveness could be examined based on the increment of realized regulations.

### 2. Feasibility

It is very feasible and compulsory.

### 3. Sustainability

It will be sustainable if the regulations are formulated properly and accommodate entire aspects of stakeholders.



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**2<sup>nd</sup> Issue :**  
Water Conflict.

**2<sup>nd</sup> Proposal :**  
*National Water Resources Committee (NWRC)*  
as a national coordination-organization among  
all stakeholder and mentioned in newest Water  
Law should be prepared soon, to handle the  
responsibilities on water allocation and water  
right policies.



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## Procedures of The Proposals

1. Identifying related aspects based on Jasa Tirta II activities on IWRM, that depend on mentioned regulations.
2. Information and Report preparations.
3. Propose by contributing in such related meeting and discussion on that.
4. NWRC published and Implementation of the regulations.
5. Monitoring and evaluations.



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness could be measured after NWRC established and release the policies to be accommodated by the government regulations. The implementation of the regulation (as indicators effectiveness) potentially reduces the trouble i.e. inadequate water quantity availability.

### 2. Feasibility

It is very feasible and compulsory. Without any regulation of implementation, the Water Law will be meaningless .

### 3. Sustainability

It will be sustainable, no significant financial required, only campaign points should be selected properly.





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**2<sup>nd</sup> Issue :**  
Water Conflict.

**3<sup>rd</sup> Proposal :**  
Concept of cost recovery should be prepared soon regarding beneficiaries-pay principle (for commercial utilization) and government obligation and services (for non-commercial utilization) as well .



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## Procedures of The Proposals

1. Identification of both utilizations (commercial and non-commercial) separately, followed by separation of the cost.
2. Formulation of cost recovery concept for commercial utilization and followed by the business planning and development, based on the current laws and regulations.
3. Formulation of cost recovery concept for non-commercial utilization and followed by the cost recovery proposals to be proposed to the government, based on the current laws and regulations.
4. Introduction the proposal and followed by the discussion in regulators level.
5. Concept approved, action and monitoring + evaluation .

*Figure : Jatiluhur Dam, Purwakarta - Indonesia*



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness of this proposal could be measured based on the increment of budget to recover required cost .

### 2. Feasibility

The feasibility of this proposal could be examined based on the current water law and prepared regulation. The newest water law still without the regulation, it will reduce the feasibility directly .

### 3. Sustainability

It is also depend on the current water law and the prepared regulations .



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**2<sup>nd</sup> Issue :**  
Water Conflict.

**4<sup>th</sup> Proposal :**  
Reviewing on Water Allocation Priority  
regarding the Water Balance analysis (demand –  
availability – supply relationship).



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## Procedures of The Proposals

1. Identification of command area changed and increment of municipal water demand.
2. Considering related points of Water Law and its regulations dealing with the water allocation priority.
3. Water balance analysis and reviewing water allocation priority.
4. Introduction the review results and followed by the discussion in regulators level.
5. Action and monitoring + evaluation .



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness of this proposal could be measured based on the successfulness of implementation of 'new' water allocation priority, which reducing the conflict among the users (municipal and irrigation).

### 2. Feasibility

The feasibility of this proposal could be examined based on the current water law and prepared regulation. The newest water law still without the regulation, it will reduce the feasibility directly.

### 3. Sustainability

It is also depend on the current water law and the prepared regulations.



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## **2<sup>nd</sup> Issue :** Water Conflict.

### **5<sup>th</sup> Proposal :**

Reviewing applied human resources concept dealing with IWRM on Citarum River Basin, especially for on-field personnel and staff .



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## Procedures of The Proposals

1. Identification of required personnel and staff on field, including their quantity and competency.
2. Training needs analysis.
3. Reviewing the existing human resources concept.
4. Introduction the review results and followed by the implementation.
5. Action and monitoring + evaluation





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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness of this proposal could be measured based on the reducing of the conflict during water allocation operation on field

### 2. Feasibility

This proposal could be performed in internal RBO level, without any external aspects considered. So that, it is very feasible to be realized.

### 3. Sustainability

Awareness consistency from RBO management through Human Resources Bureau will influences the proposal sustainability.



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**3<sup>rd</sup> Issue :**

Water Technology application and development.

**1<sup>st</sup> Proposal :**

Improvement of human resources based on required skill dealing with IWRM technologies and management concept through either in-house or external course or training.



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## Procedures of The Proposals

1. Identification of required personnel and staff on field, including their quantity and competency.
2. Training (skill development) needs analysis and planning.
3. Preparation of human resources development concept.
4. Introduction and followed by the implementation of the concept.
5. Monitoring + evaluation.



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness of this proposal could be measured based on the increment of the competency of on-field staff. The indicators are tasks performed, efficiency and conflict developed .

### 2. Feasibility

This proposal could be performed in internal RBO level, without any external aspects considered. So that, it is very feasible to be realized .

### 3. Sustainability

Awareness consistency from RBO management through Human Resources Bureau will influence the proposal sustainability .



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### 3<sup>rd</sup> Issue :

Water Technology application and development.

### 2<sup>nd</sup> Proposal :

Reviewing of applied IWRM technology on Citarum River Basin, including its upgrading and developments to ensure sustainable water availability .



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## Procedures of The Proposals

1. Identification of existing applied technology.
2. Identification of existing personnel capability to apply the technology.
3. Reviewing the required technology in particular field.
4. Preparation of applicable technology.
5. Application, monitoring + evaluation.



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## Evaluations of The Proposals

### 1. Effectiveness.

The effectiveness of this proposal could be measured based on the efficiency of adopted technology on-field. The indicators are tasks performed, efficiency and cost required.

### 2. Feasibility

This proposal could be performed in internal RBO level, without any external aspects considered. So that, it is very feasible to be realized.

### 3. Sustainability

Awareness consistency from RBO management through Human Resources Bureau will influence the proposal sustainability.

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An aerial photograph of the Jatiluhur Dam in Purwakarta, Indonesia. The dam is a long, concrete structure with a spillway, situated in a lush green valley. The reservoir behind the dam is a large body of water. The surrounding area is densely forested and includes some buildings and infrastructure.

**Thank You**