

## **(2)Jasa Tirta II Public Corporation**

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### **About the Organization**

#### **1. Name of the Organization**

Jasa Tirta II Public Corporation in English or Perusahaan Umum (Perum) Jasa Tirta II in local Bahasa Indonesia or PJT2 in short.

#### **2. Purposes and roles of your organization**

##### **Historical background of the organization**

In 1956 Ir. H. Djuanda, the Prime Minister of Indonesia declared the commencement of Jatiluhur Multipurpose Project. The main aim of the project was to enhance the rice production to achieve self-supporting national staple food. The project comprised of two major activities, namely, construction of a dam across Citarum River to create a reservoir with impounding capacity of  $3.0 \times 10^9 \text{ m}^3$  including the hydroelectric power plant with the install capacity of 150 MW, and develop technically irrigation system over 240,000 ha of paddy field in the north plain of West Java Province. The project finished in 1967, since then the dam, the reservoir and the power plant were named Ir. H. Djuanda.

The benefits reveal upon the completion of the project, among other: (1) flood occurs during rainy season that inundated 20,000 ha of fertile land in the North plain could be minimized, (2) farmers have the opportunity to cultivate paddy with technically irrigated system over an area of 240,000 ha, two crops per year, (3) raw water supply for domestics, municipalities and industries especially for Jakarta the Capital City of Indonesia, (4) hydropower plant with the installed capacity of 150

MW, (5) fresh water as well as brackish water fisheries development in coastal area, and (6) beautiful scenery surrounding the reservoir for tourism and water sport.

After the construction project finished in 1967, the Government of Indonesia (GOI) through the Ministry of Industry established the Jatiluhur State-own with the Government Regulation No. 8/1967 dated 24 July 1967. This company was intended to optimize the Jatiluhur Hydro-electric Power Plant (HEPP) generation. As a corporation, the Jatiluhur State-own Company was aimed to gain profit. Thus the operation of reservoir was designed to obtain the maximum revenue from the Jatiluhur HEPP production. In the meantime, the water resources infrastructures for irrigation and other purposes that completed in 1968 was handled by three institutions, those are : West Java Public Works for Purwakarta Region (under West Java Proviocional Government), Jatiluhur Irrigation Project (under Ministry of Public Works), and Jatiluhur Tertiary Irrigation Project (under Ministry of Home Affairs).

In 1969 the Jatiluhur Irrigation Board was established to coordinate and optimize the reservoir operation for multipurpose, consisted of those four related institutions, (1) Jatiluhur State Own Company, (2) West Java Public Works for Purwakarta Region (under West Java Proviocional Government), (3) Jatiluhur Irrigation Project (under Ministry of Public Works), and (4) Jatiluhur Tertiary Irrigation Project (under Ministry of Home Affairs). The reservoir operation then operated firstly to meet the downstream requirements,i.e. irrigation, domestic, municipal, and industry, not only to maximize the Jatiluhur HEPP production. In 1970 those four institutions were merged became the Jatiluhur Public Authority (POJ) based on Government Regulation (GR) No. 20/1970. After the POJ establishment in the Jatiluhur Irrigation Board was not longer existed.

The POJ has tasks and responsibilities to maintain sustainability of water resources in the basin and extends operation and maintenance of water resources infrastructures and the hydroelectric power plant. The entity also collected the contribution from the beneficiaries of water services for running the operation and maintenance of the system. In the year 1999 the name of the entity was changed to Jasa Tirta II Public Corporation (PJT 2) with the tasks and responsibilities remain the same.

The summary of the historical development of the PJT II is shown in **Table 1**.

**Table 1 Historical Development of the PJT II**

Name of the organization	Period / Legal	Tasks
Jatiluhur Multipurpose Project	<b>Construction Period</b> (1956 -1967)	To construct and develop the Jatiluhur dam, its reservoir and hydroelectric power generation including the irrigation infrastructures downstream of the dam
<ul style="list-style-type: none"> <li>▪ Jatiluhur State-owned Company</li> </ul>	<b>Operation and Maintenance Period</b> (1967-1970)	To manage the Jatiluhur dam and its reservoir especially the hydroelectric power generation
<ul style="list-style-type: none"> <li>▪ Jatiluhur Tertiary Irrigation Project</li> <li>▪ Jatiluhur Irrigation Project.</li> <li>▪ West Java Public Works</li> </ul>	(1967-1970)	To manage the Jatiluhur irrigation area and other water resources infrastructures downstream of the dam after the completion of the Jatiluhur Multipurpose Project.
Jatiluhur Authority Public Corporation	<b>Operation and Maintenance Period</b> Based on GR: <ul style="list-style-type: none"> <li>□ No. 20/1970, May 23<sup>rd</sup> 1970</li> <li>□ No. 35/1980, October 13<sup>rd</sup> 1980</li> <li>□ No. 42/1990, August 23<sup>rd</sup> 1990</li> </ul>	Incorporates the company purposes for profit making besides the social tasks of managing the water resources supply system downstream of the dam.
Jasa Tirta II Public Corporation	<b>Operation and Maintenance Period</b> Based on GR: <ul style="list-style-type: none"> <li>□ No. 94/1999, October 13<sup>th</sup> 1999</li> </ul>	Managing water resources in the Citarum river basin based on the integrated water resources management principles.

**Purposes and Roles of the Organization**

Based on the GR No. 94 in the year of 1999, the PJT II has tasks and responsibilities at the Citarum river basin on:

- 1. Operation and maintenance of the water resources infrastructures and hydroelectric power plant,
- 2. To carry on business on water resources and hydroelectric power generation,
- 3. To conduct the river basin management, i.e., conservation, development, and utilization of the water resources,
- 4. To do the rehabilitation on the hydroelectric power plant.

**Number of Staff**

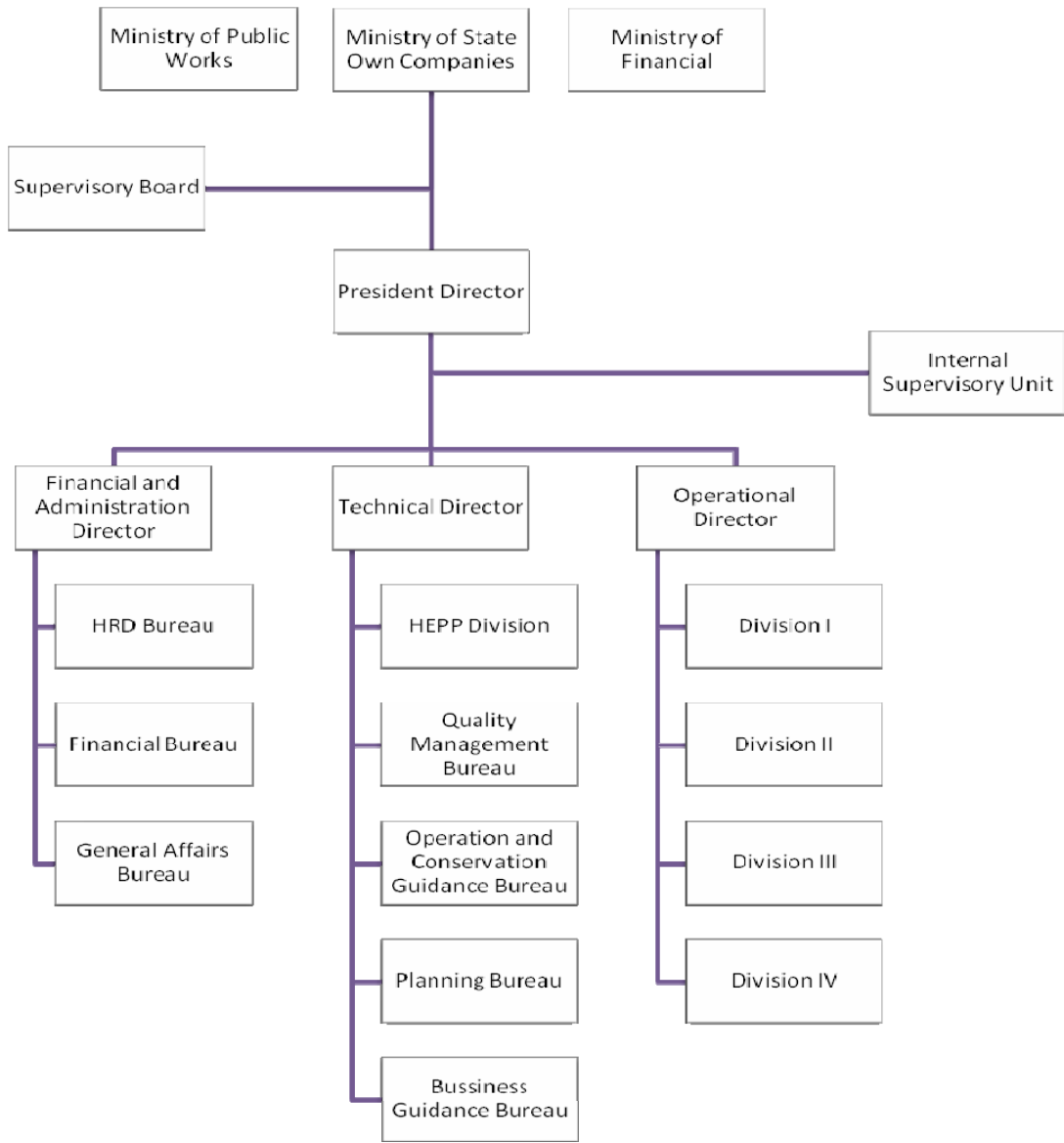
The number of staffs as 31<sup>st</sup> of December 2008 was 1.406 employees, which classified by education as presented in the following table:

Education Level Description		Number of Staffs
1	Post Graduate (master degree)	44
2	Undergraduate (bachelor degree)	140
3	Higher Education School	124
4	Senior High School	524
5	Junior High School	456
6	Elementary School	118
<b>Total</b>		<b>1.406</b>

**Amount of the annual budget in 2008**

Total annual budget of PJT 2 in 2008 was IDR 282,107.99 million equal to USD 25,646,180.91.

**Organizational chart**



**Ongoing project**

Most activities done by PJT 2 in the Citarum River Basin are routine and operational project, such as:

- a. Rehabilitation of the water resources infrastructures (rising canal embankment, intake gate for irrigation area, canal, etc),

- b. Installation of flow meter for industrial intakes,
- c. Rehabilitation of Hydro-Electric Power Plants Unit 6 (30 MVA),
- d. Modernisation of Hydro-electric Power Plant especially Programmable Logic Control (PLC) / automatic system
- e. Decision Support System (DSS) for water quality management project.
- f. PLC Unit 1 pump for water supply to Jakarta.
- g. Public water supply development for 3 sub-district
- h. Improvement of GIS based water resources information system.
- i. Pilot and demonstration activities on water saving agriculture collaboration with Department of Agriculture,
- j. Community based on Citarum lower flood plan management.

### **Main events in 2008**

- a. Rehabilitation of Hydro-electric Power Plant especially improvement and changing of transformer.
- b. Improvement of water quality monitoring for the water quality conducting to water pollutant.
- c. Improvement of automatic water level and rainfall telemetry system.
- d. Capacity Development Project for River Basin Organizations in Water Resources Management and Technology
- e. Re-Stocking of fish in Jatiluhur reservoir.
- f. Re-Greening of Ubrug saddle dam and Djuanda dam green belt.
- g. Re-arrangement and zoning the fish culture in Jatiluhur reservoir.

## **About NARBO Activity**

### **1. Activities your organization implemented in 2008 as the member**

- a. As participant on the 3<sup>rd</sup> General Meeting of NARBO, 20 - 22 February, 2008 in Solo, Indonesia.
- b. As participant on the 2<sup>nd</sup> Thematic Workshop on Water-Related Disaster and Its Management in Asian Countries, 7 – 8 October, 2008 in Manila, Philippine.
- c. As participant on the Regional Meeting on Hydro-Informatics and Developing Knowledge Hub Networks, 15 – 17 October, 2008 in Zhengzhou, People's Republic of China.

### **2. The contact person and organization's website**

#### **2.1 The name of the contact person and contact number (including e-mail address)**

Name : Herman Idrus, CES

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#### **2.1.1. Organization's web-site URL (English and local language)**

Website : [www.jasatirta2.co.id](http://www.jasatirta2.co.id)

URL : <http://jasatirta2.co.id>

### **3. Resolutions and expectations for NARBO activities in 2008**

#### **3.1 Your Organization's resolutions**

Human resource is one the importance assets to be maintained and highly contributes to the implementation of IWRM. Strengthening the capacity and

effectiveness through regular training both of external and internal are helping to achieve the goal of NARBO.

### **3.2 Expectations of NARBO activities**

To promote the close relationship among the NARBO members more capacity building for the young engineer of NARBO members is expected, such as by establishing Young Scientist Program or similar program that combines between practical exercises and lesson learned from existing institutions on water quality management, wastewater treatment plant operation, multiple reservoirs operation, and attending exhibitions to get acquainted with industries. To create closer relationship among the participants can be done by group exercises and making individual presentations.

## **4 About the NARBO web-site (<http://www.narbo.jp>)**

### **4.1 Whether you can access to the NARBO web-site.**

Yes

### **4.2 Whether you can access to the ADB's web-site (<http://www.adb.org/>) and the ADBI's web-site (<http://www.adbi.org/>)**

Yes

### **4.3 Who can accesses NARBO web-site usually?**

Everybody in the Head Office of PJT II around 300 employees.

### **4.4 How often do you access to the NARBO web-site on the average?**

Once a week or whenever it is necessary, especially if there is activity related to NARBO

### **4.5 What content are you interested in most and what information do you want to get from the NARBO web-site?**

The Capacity Building Activities and Twinning Program.

### **4.6 What do you think we need to do to get more hits to the NARBO web-site?**

Put link of the NARBO web-site into websites of river basin organizations, or vice versa.



**4.7 What do you think we need to do to stimulate information exchange among members through the NARBO web-site?**

Embrace more young participants from the NARBO members which are more familiar to the information technology.