



REPUBLIC OF INDONESIA
MINISTRY OF NATIONAL DEVELOPMENT PLANNING/
NATIONAL DEVELOPMENT PLANNING AGENCY

PUBLIC PRIVATE PARTNERSHIP

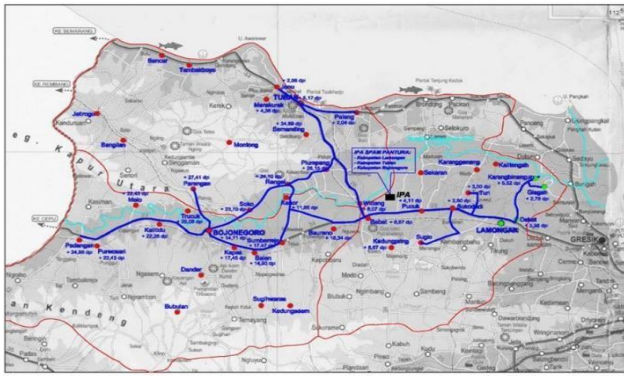
INFRASTRUCTURE PROJECTS PLAN IN INDONESIA

2022

Pantura Regional Water Supply System

Location : East Java Province

Sector : Drinking Water



Sub-Sector : Water Supply System

Description:

Pantura Regional Water Supply is planned to serve Bojonegoro Regency, Tuban Regency, and Lamongan Regency. The Pantura Regional Water Supply is one of the projects listed in the Presidential Decree 80 of 2019. It is planned that the water source will come from the Bengawan Solo River.

Estimated Project Cost: USD 98.14 Million

Financial Feasibility:

IRR : 12.36 %

NPV : USD 6.96 Million

Estimated Concession Period: 25 years

Government Contracting Agency:

Director of PT Air Bersih Jawa Timur

Type of PPP:

Solicited

Return of Investment:

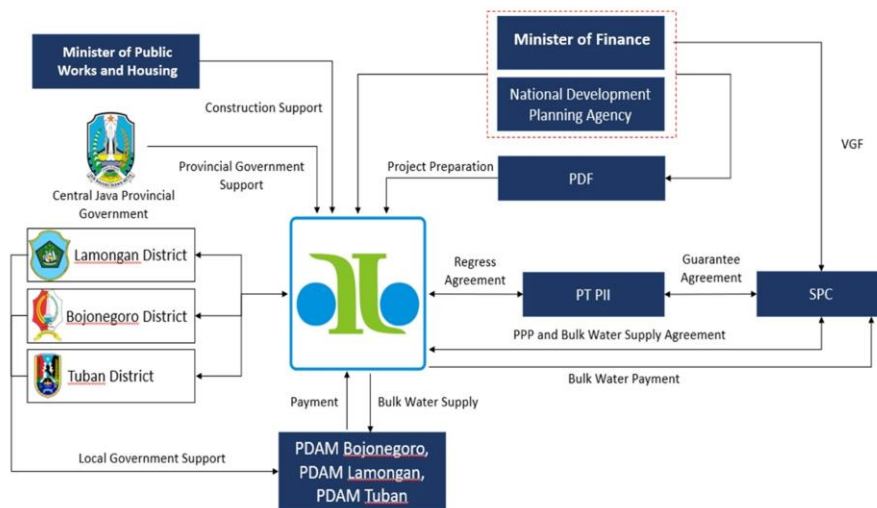
User Charge

Indicative Project Schedule



Project Status : Pre-Feasibility Study

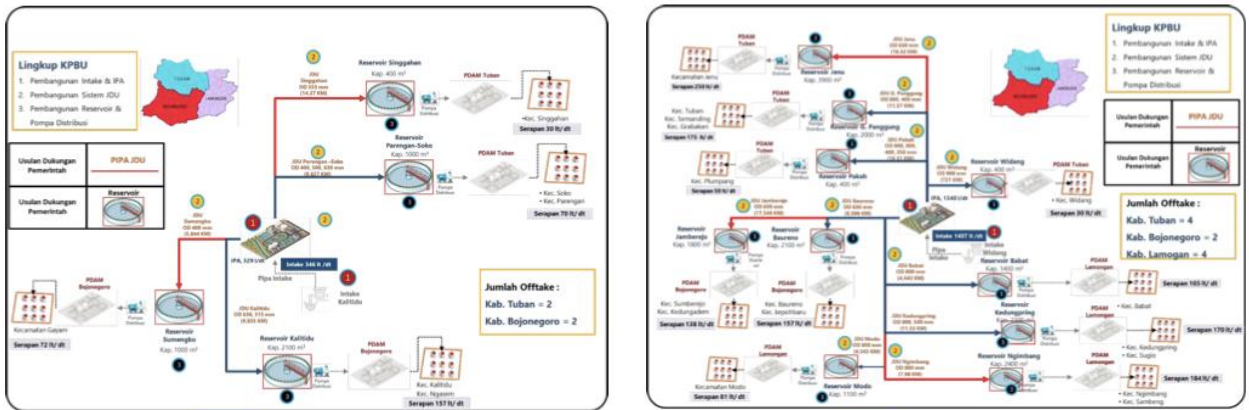
Indicative Project Structure



Project Digest

Project Title	Pantura Regional Water Supply System
Government Contracting Agency	Governor of East Java hand over the authority to Director of PT Air Bersih Jawa Timur
Implementing Agency	PT Air Bersih East Java
Preparation Agency	National Development Planning Agency
Project Cost	USD 98.14 Million
Estimated Concession Period	25 years
Location	Lamongan, Tuban and Bojonegoro Regency, East Java Province

1. Project Picture (Map and/or Illustration of Project)



from WTP Kalitidu

from WTP Widang

Picture 1 – Pipe Network Scheme

2. The Opportunity

2.1. Project Background

In line with the role of the Regency and City Governments in the era of regional autonomy and in connection with the existence of Law 17 of 2019 on Water Resources, Government Regulation Number 122 of 2015 concerning Drinking Water Supply Systems, Minister of Public Works Regulation Number 20 / PRT / M / 2006 concerning National Policies and Strategies in the Development of water supply and Minister of Public Works Regulation No. 18 / PRT / M / 2007 concerning the Implementation of Drinking Water Supply System Development, that the development of drinking water supply systems is the responsibility of local governments (Provincial and Regency / City). The Indonesian government aspires to be able to achieve universal access to safe drinking water by 2019. This means that 100% of the people have access to safe drinking water services that year. This is stated in the 2005-2025 Long-Term National Development Plan (RPJPN). Furthermore, there is 100-0-100 program in 2030 which is a program towards meeting the targets of three sectors,

including fulfilling 100% access to safe drinking water, reducing slum areas to 0%, and fulfilling 100% access to proper sanitation by 2019.

The current service level of drinking water services in East Java is still far from sufficient. The potential of raw water sources in East Java is not yet comprehensively identified and also has not been used optimally, on the other hand there are still many areas that lack and have difficulty in getting drinking water to meet their daily needs.

Example of an integrated clean water supply system that can be used together in East Java Province is the Bengawan Solo River that will cater the population in Bojonegoro, Tuban and Lamongan Regency, hereinafter referred to as the "Pantura Regional Water Supply System".

2.2. Project Description

Pantura Regional Water Supply System will consist of following facilities:

- Water Intake Unit, located in Lamongan Regency
- Water Treatment Plant (WTP)
- Main Transmission Pipeline
- Customer Connection tapplings

2.3. Project Objectives

The purpose for the development of Pantura Regional Water Supply is to:

- Utilize the potential of fresh water that can be used
- Help regencies / cities that do not have and or have limited sources of water
- Increase efficiency of existing drinking water services in each regency / city area.

3. Business Entity's Scope of Work

Design - Build - Finance - Operate - Maintenance - Transfer

4. Technical Specification

- a. Construction of pipeline to Bojonegoro and Lamongan Regency using single pipe to the offtake;
- b. The location of the offtake's reservoir for each offtaker:

Offtake	Reservoir Capacity m ³	Reservoir Location
Bojonegoro Regency		
Kalitidu	1,350	Kalitidu District
Sumengko	625	Kalitidu District
Baureno	1,350	Baureno District
Jamberejo	1,150	Kedungadem District
Lamongan Regency		
Babat	900	Babat District

Kedungpring	1,450	Kedungpring District
Modo	700	Modo District
Ngimbang	1,500	Ngimbang District
Tuban Regency		
Singgahan	250	Singgahan District
Parengan Soko	600	Parengan District
Widang	250	Widang District
Pakah	425	Plumpang District
G. Panggung	1,500	Semanding District
Jenu	2,150	Jenu District

c. Pipes that will be used are:

Pipe Diameter (mm)	Pipe Type	Pipe Length for Each Regency		
		Bojonegoro	Lamongan	Tuban
OD 1200	HDPE		3,315	
OD 900	HDPE			12,777
OD 800	HDPE	8,596	22,021	10,516
OD 630	HDPE	26,494		14,476
OD 500	HDPE		3,381	10,366
OD 400	HDPE	5,844		4,263
OD 355	HDPE			14,268
OD 315	HDPE	687		
OD 250	HDPE			
TOTAL		41,621	28,717	66,666

5. Environmental Impact Assessment (EIA/AMDAL) Findings

In accordance with the national environmental safe-guards regulation, this project will require AMDAL and PT Air Bersih East Java will prepare it.

6. Land Acquisition and Resettlement Action Plan

There is land acquisition needed for this project, precisely for the reservoir offtake and some of raw water resources if needed with an estimated total area of 1.7 Hectares.

7. Project Cost Structure

Estimated Project Cost		USD 98.14 Million
Indicative Debt to Equity Ratio		
- Debt Level		70%
- Equity Level		30%
IRR		12.36%
NPV		USD 6.96 Million

8. Government Support and Guarantee

This project needs partial construction support from Ministry of Public Works and Housing, as well as Viability Gap Fund from the Ministry of Finance. Government guarantee is needed for this project.

9. Contact Information

Name : M. Falahul A. A
Position : Head of Planning and Development Division
Phone : 08113520538
Email : falahalharamaini@gmail.com

Name : Ade Novan Wicaksono
Position : Staff Analyst of Planning and Development Division
Phone : 081334483532
Email : adenovan92@gmail.com

Name : Rahmatika
Position : Staff at Development Administration Bureau, East Java Regional Secretariat
Phone : 087750750111
Email : tika.naufi@gmail.com