



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


PUBLIC PRIVATE PARTNERSHIP

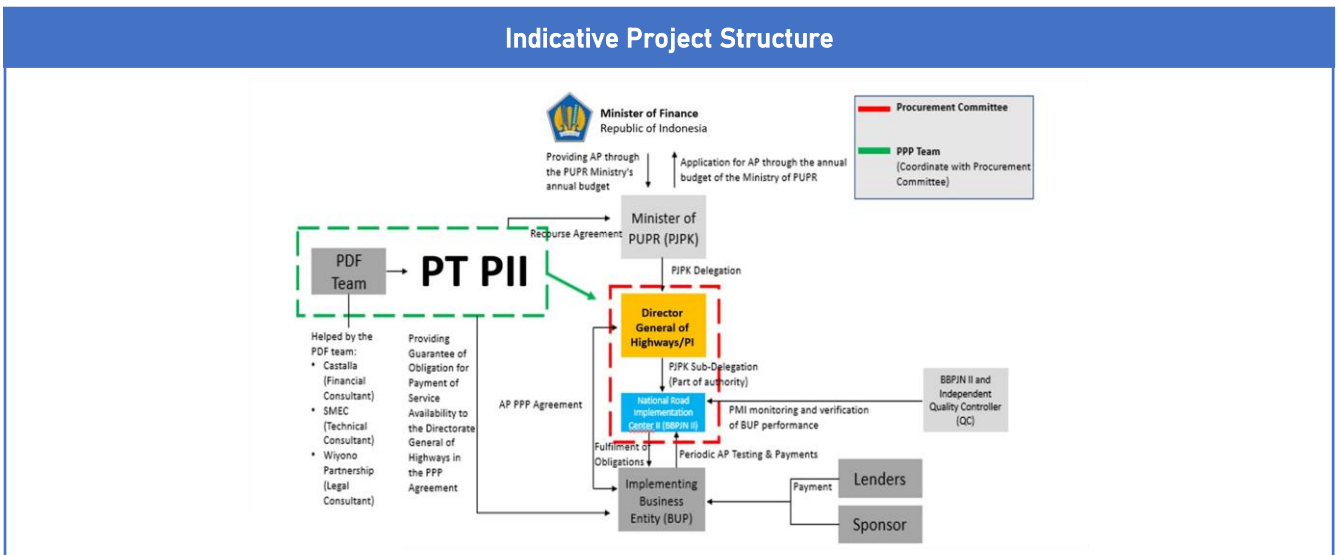
INFRASTRUCTURE PROJECTS PLAN IN INDONESIA

2022

Development of The Trans Papua Jayapura-Wamena Road

Location : Papua Province

| | |
|---|--|
| Sector : Road | Sub-Sector : Public Road |
|  | <p>Description: The Trans Papua Mamberamo – Eleelim road section is located in Papua Province which is part of the Trans Papua Road section that connects the Jayapura area with Wamena. The location of the road preservation work starts from the direction of Wamena KM 366+690 with a handling length of 50.14 Km.</p> <p>Estimated Project Cost: USD 193.92 million</p> <p>Financial Feasibility: IRR : Under Calculation NPV : Under Calculation</p> <p>Estimated Concession Period: 15 years (Including 2 years of construction).</p> |
| <p>Government Contracting Agency: Minister of Public Works and Public Housing</p> <p>Type of PPP: Solicited</p> <p>Return of Investment: Availability Payment (AP)</p> | |



Project Digest

| | |
|--------------------------------------|---|
| Project Title | Construction of Transpapua Road |
| Government Contracting Agency | Minister of Public Works and Public Housing |
| Implementing Agency | Directorate General of Highways (Ditjen Bina Marga). Wamena National Road Implementation Center (BPJN Wamena) |
| Preparation Agency | Directorate General of Infrastructure Financing |
| Project Cost | USD 193.92 million |
| Estimated Concession Period | 15 years (Including 2 years of construction) |
| Location | Mamberamo – Elelim, Papua Province |

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



Picture 1 – Mamberamo – Elelim Road Map

2. The Opportunity

2.1. Project Background

Currently, the provision of road and bridge infrastructure is indispensable for the national economic growth target of 6% in 2020-2024. Road and bridge infrastructure has an important impact on logistical mobility, improving the quality of life, and to increase the productivity of the area around the road. However, there are still many roads that are not accessible. For example, the existing condition of the road in Mamberamo – Elelim, Papua province, is still a solid dirt road, therefore it is planned to be improved by paving through the proposed PPP Availability Payment financing scheme.

2.2. Project Description

The Trans Papua Mamberamo – Elelim road section is located in Papua Province which is part of the Trans Papua Road section that connects the Jayapura area with Wamena. The location of the road preservation work starts from the direction of Wamena KM 366+690 with a handling length of 50.14 Km and estimated cost of USD 193,92 million. The project concession will last for 15 years including 2 years of construction.

2.3. Project Objectives

The main objectives of Trans Papua preservation activity will support the smooth flow of traffic in order to shorten the travel time between regions and the mobility of drivers will be more effective, thereby it will further support transportation and logistics, which in turn will improve the Indonesian economy.

3. Business Entity's Scope of Work

Under this scheme, the SPC concession holder will undertake the DBFOMT design, construction, financing, operation, maintenance and transfer of the Project infrastructure assets.

During the cooperation period, the SPC carries out the following activities:

- a) Financing;
- b) Technical Planning;
- c) Construction Implementation;
- d) Operation and Maintenance of Existing Roads, Bridges and
- e) Motor Vehicle Weighing Unit (UPPKB) Facilities during the Construction Period; Operation and Maintenance during the Service Period;
- f) and handover.

SPC also submits evidence of performance achievement and submits invoice for Payment of Service Availability to GCA

4. Technical Specification

The technical specifications for Trans Papua are as follows:

| No | Facilities | Capacity |
|----|------------------------------|-----------------------|
| 1 | Length | 50.14 km |
| 2 | Smallest width of road | 11 meters |
| 3 | Pavement type | Asphalt Grade 12%-15% |
| 4 | Sidewalk width | 1 m |
| 5 | Smallest edge channel width | 1.00 m |
| 6 | Normal slope of pavement % | 3 |
| 7 | The biggest superelevation % | 8 |

1. Primary arterial roads are designed based on a design speed of at least 60 (sixty) kilometers per hour with a width of at least 11 (eleven) meters.
2. Primary arterial roads have a capacity greater than the average traffic volume.
3. On primary arterial roads, long-distance traffic should not be disturbed by shuttle traffic, local traffic, and local activities.
4. The number of access roads to the primary arterial road is limited in such a way that it must be fulfilled.
5. The intersection of a plot on a primary arterial road with certain arrangements must meet the provisions.
6. Primary arterial roads entering urban areas and/or urban development areas should not be cut off.

5. Environmental Impact Assessment (EIA/AMDAL) Findings

The Construction of Trans Papua Road project is required to provide Environmental Evaluation Document and therefore the GCA must ensure in obtaining environmental permits for Motor Vehicle Weighing Unit facilities as well as environmental permits for preservation of existing roads.

6. Land Acquisition and Resettlement Action Plan

According to the business case document, it is conveyed that the Trans Papua Mamberamo-Elelim Road PPP Project is a road segment that has relatively no problems related to land because the Jayapura-Wamena Road section is already procured.

7. Project Cost Structure

| Estimated Project Cost | | USD 193.92 Million |
|--|--|--------------------|
| Indicative Debt to Equity Ratio | | |
| - Debt Level | | 80% |
| - Equity Level | | 20% |
| IRR | | Under Calculation |
| NPV | | Under Calculation |

8. Government Support and Guarantee

Trans Papua project has indicated that it does not needs fiscal support to be financially viable, but requires support for other costs, namely:

- Facility to cover project setup and transaction costs
- Guarantee for service availability payment obligations
- Guarantee for early termination of agreement

9. Contact Information

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