



REPUBLIC OF INDONESIA

LIST OF MEDIUM-TERM PLANNED EXTERNAL LOANS 2025-2029



MINISTRY OF NATIONAL DEVELOPMENT PLANNING/
NATIONAL DEVELOPMENT PLANNING AGENCY

2026



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**Ministry of National Development Planning/
National Development Planning Agency**

Foreword



The year 2025 marks the first year of the National Medium-Term Development Plan (RPJMN) 2025–2029, as well as the initial step toward the National Long-Term Development Plan (RPJPN) 2025–2045. This period is highly strategic, as it will shape the outcomes of long-term national development realized through the eight (8) Asta Cita of national development. To support this development agenda, the Government must optimize various alternative financing sources, including Foreign Loans (PLN), managed prudently, efficiently, and productively.

As part of the development planning process, the Ministry of National Development Planning/National Development Planning Agency (Bappenas) prepares the Medium-Term External Loan Plan (DRPLN-JM), also known as the Blue Book, in accordance with Ministerial Decree Number KEP.87/M.PPN/HK/10/2025. In this context, the Minister for National Development Planning/Head of Bappenas is mandated to coordinate the planning of activities proposed by Ministries/Agencies, State-Owned Enterprises (SOEs), and Local Governments to be financed through External Loans. This document contains project proposals submitted by Ministries/Agencies, Local Governments, and State- or Regional-Owned Enterprises that have been screened based on their alignment with RPJMN priorities and the principles of sustainable development.

Projects in the Blue Book 2025–2029 are categorized into ten major groups, each representing strategic policy benefits, namely: (1) Food Self-Sufficiency; (2) Water Self-Sufficiency; (3) Supporting Infrastructure for Industrial Downstreaming; (4) Improvement of Human Resources Quality and Competitiveness; (5) Development and Enhancement of Connectivity Security; (6) Central Level Health Services; (7) Environmental Protection and Disaster Mitigation/Adaptation; (8) Sustainable Urban Development; (9) Public Security; and (10) Energy Self-Sufficiency as part of on-lending. The classification of projects in the Blue Book 2025–2029 is designed to ensure alignment with the eight National Priorities outlined in the RPJMN 2025–2029. Overall, the Blue Book 2025–2029 consists of cross-sector strategic projects that support the Development Trisula, namely poverty alleviation, human resource development, and inclusive and sustainable economic growth.

The DRPLN-JM 2025–2029 serves as guidance for Ministries/Agencies, Local Governments, and SOEs in undertaking subsequent preparation and implementation processes, enabling proposed projects to be carried out effectively and efficiently. For development partners, this document provides a reference for formulating cooperation strategies, financing frameworks, and programmatic engagement with the Government of the Republic of Indonesia during the 2025–2029 period.

In closing, we would like to express our appreciation and gratitude to all parties who have contributed to the preparation of the Blue Book 2025–2029. Going forward, this document is expected to serve as a shared reference for all development stakeholders in supporting the realization of an advanced, inclusive, and sustainable Indonesia.

Jakarta, April 2026

Minister for National Development Planning/
Head of National Development Planning Agency,

Rachmat Pambudy

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CHAPTER 1

INTRODUCTION

1. Background

The National Medium-Term Development Plan (RPJMN) 2025–2029 adopts the development vision articulated by the President, namely “Advancing Indonesia Together Toward a Golden Indonesia 2045.” This vision is further elaborated into eight Presidential Mission Pillars (*Asta Cita*), which serve as the National Priorities, as follows: (i) Strengthening the ideology of Pancasila, democracy, and human rights; (ii) Consolidating national defense and security systems and advancing national self-reliance through food, energy, and water security, as well as the development of sharia economics, the digital economy, the green economy, and the blue economy; (iii) Continuing infrastructure development and expanding quality employment opportunities, fostering entrepreneurship, strengthening the creative industry, and developing agro-maritime industries in production centers through the active role of cooperatives; (iv) Enhancing human capital development, science, technology, education, health, sports achievement, gender equality, and the empowerment of women, youth, and persons with disabilities; (v) Advancing downstream industrialization and developing natural resource-based industries to increase domestic value added; (vi) Advancing development from villages and the grassroots level to promote economic growth, reduce disparities, and alleviate poverty; (vii) Strengthening political, legal, and bureaucratic reforms, as well as enhancing efforts to prevent and combat corruption, narcotics, illegal gambling, and smuggling; and (viii) Strengthening the alignment of human life with natural and cultural environments, and enhancing interfaith tolerance to achieve a just and prosperous society.

In implementing development programs to achieve the targets outlined in the RPJMN 2025–2029, the Government requires adequate financing sources to support development execution. To fund national development, the Government utilizes the State Budget (APBN), Regional Budgets (APBD), as well as other financing sources, including both domestic and external borrowing.

The utilization of external loans is governed by Government Regulation No. 10 of 2011 concerning the Procedures for Procuring External Loans and Receiving Grants. The regulation stipulates that the Minister of National Development Planning is responsible for preparing the plan for the utilization of external loans, which is outlined in several key documents, including the External Loan Utilization Plan, the Medium-Term External Loan Plan List (DRPLN-JM), the Annual External Loan Plan List (DRPPLN), and the List of Activities. Further provisions regarding the procedures for planning activities are regulated in Ministerial Regulation of the Ministry of National Development Planning No. 4 of 2011 on the Procedures for Planning, Submitting Proposals, Appraisal, Monitoring, and Evaluation of Activities Financed by External Loans and Grants. Bappenas subsequently conducts an eligibility assessment of proposed activities submitted by Ministries, Government Agencies, Local Governments, and State-Owned Enterprises. One of the key assessment criteria is the alignment of the proposed activities with the development programs and priorities set forth in Indonesia’s National Medium-Term Development Plan for the period 2025–2029 (RPJMN 2025–2029).

On 17 October 2025, the Minister of National Development Planning/Head of Bappenas signed Ministerial Decree No. KEP.87/M.PPN/HK/10/2025 concerning the Medium-Term External Loan Plan List for 2025–2029. The DRPLN-JM/Blue Book 2025–2029 accommodates a total of 113 proposed activities, with an aggregate proposed value of USD 28.45 billion (USD 28,446,856,197.45). The activities included in the DRPLN-JM comprise both those carried over from the 2020–2024 DRPLN-JM period and newly proposed activities submitted for the 2025–2029 RPJMN period.

2. Update

On 30 January 2026, the Minister of National Development Planning/Head of Ministry of National Development Planning (Bappenas) issued the First Revision of the 2025–2026 Medium-Term External Loan List through Ministerial Decree No. KEP.13/M.PPN/HK/01/2026.

The revision accommodates several changes to the External Loan List, as follows:

1. Addition of Two (2) New Projects proposed by the Ministry of Villages and Development of Disadvantaged Regions:
 - a. Strengthening Food Security and Green Economic Development in Indonesia’s Villages, with a proposed loan amount of USD 800,000,000;
 - b. Indonesia Food Systems and Infrastructure in Villages and Disadvantaged Regions, with a proposed loan amount of USD 60,000,000.
2. Addition of One (1) New Project proposed by the Ministry of Tourism:
 - a. Sustainable and Quality Tourism Development Program, with a proposed loan amount of USD 400,000,000.
3. Addition of One (1) New Project proposed by LPP TVRI:
 - a. Digitalization of Broadcasting System (DBS) Project, with a proposed loan amount of USD 373,153,000.
4. Addition of One (1) New Project proposed by the Badan Keamanan Laut Republik Indonesia:
 - a. N-219 Aircraft Project, with a proposed loan amount of USD 101,017,540.
5. Revision of the Proposed Loan Amount for the project Strengthening the Ecosystem of the Indonesia Manufacturing Center (IMC) through the Provision of Services and Fulfillment of Infrastructure Facilities for Machinery and Equipment, proposed by the Ministry of Industry, to USD 3,500,000.
6. Removal of One (1) Project from the list:
 - a. Initiation Pilot Project of Modernization for Small-Scale Fishing Fleet (30 GT), proposed by the Ministry of Marine Affairs and Fisheries.

CHAPTER 2

DRPLN-JM 2025–2029

1. Medium-Term External Loan Plan List (DRPLN-JM)/Blue Book 2025-2029

To meet national development needs while considering the condition of Indonesia’s economy, the Government has issued the Medium-Term External Loan Plan List (DRPLN-JM) / Blue Book 2025–2029. This document was signed by the Minister of National Development Planning/Head of Bappenas on 17 October 2025 through Ministerial Decree No. KEP.87/M.PPN/HK/10/2025.

The DRPLN-JM accommodates 113 proposed activities with a total loan value of USD 28.45 billion. Based on the functional classification of the proposed activities, eight functional categories are identified, with the economic function representing the largest share at 70.73 percent of the total loan value. The distribution of these activities, both in terms of total loan value and number of activities, is presented as follows.

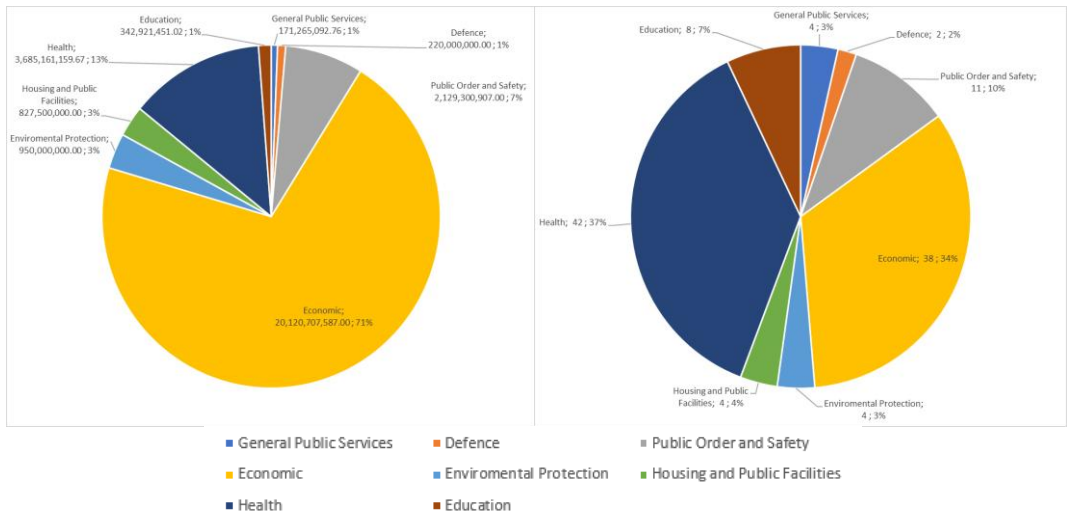


Figure 2. 1 Distribution of the Number of Projects and Total Project Value by Functional Classification

Based on the full list of activities included in the Blue Book, these activities are subsequently classified into ten program categories. All activities are presented in the table 1 as stipulated in the Ministerial Decree of the Minister of National Development Planning/Head of Bappenas No. KEP.87/M.PPN/HK/10/2025. The following illustrates the proportion of each program category included in the DRPLN-JM 2025–2029.

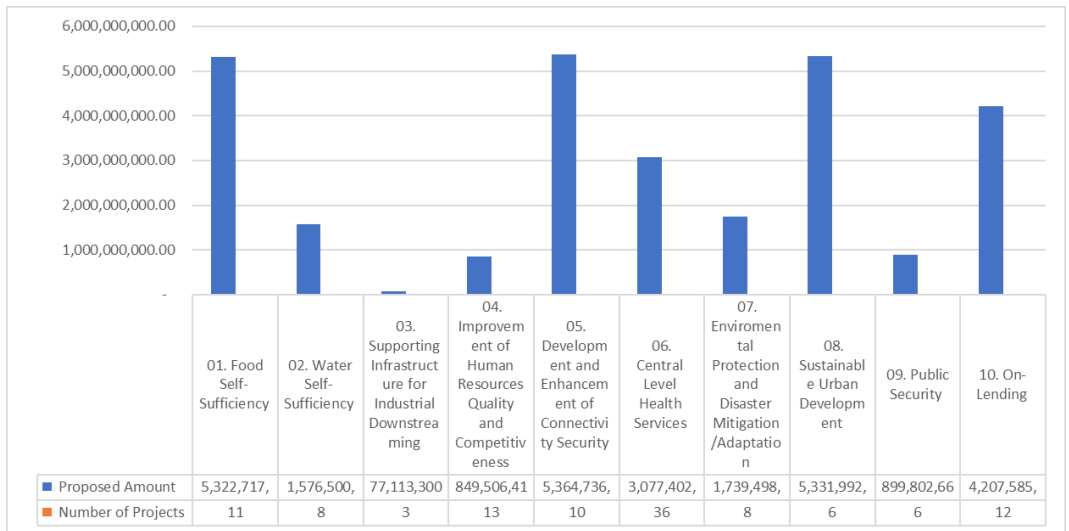


Figure 2. 2 Distribution of Total Project Value and Number of Projects by Program Category

Based on the full list of activities included in the Blue Book, these activities are subsequently classified into ten program categories. All activities are presented in the table 1 as stipulated in the Ministerial Decree of the Minister of National Development Planning/Head of Bappenas No. KEP.87/M.PPN/HK/10/2025. The following illustrates the proportion of each program category included in the DRPLN-JM 2025–2029

2. Medium-Term External Loan Plan List (DRPLN-JM)/Blue Book 2025-2029, 2026 Revision

The DRPLN-JM/Blue Book 2025-2029 first revision accommodates 117 proposed activities with total loan value of USD 29.18 billion. The distribution of activities after the first revision are shown below

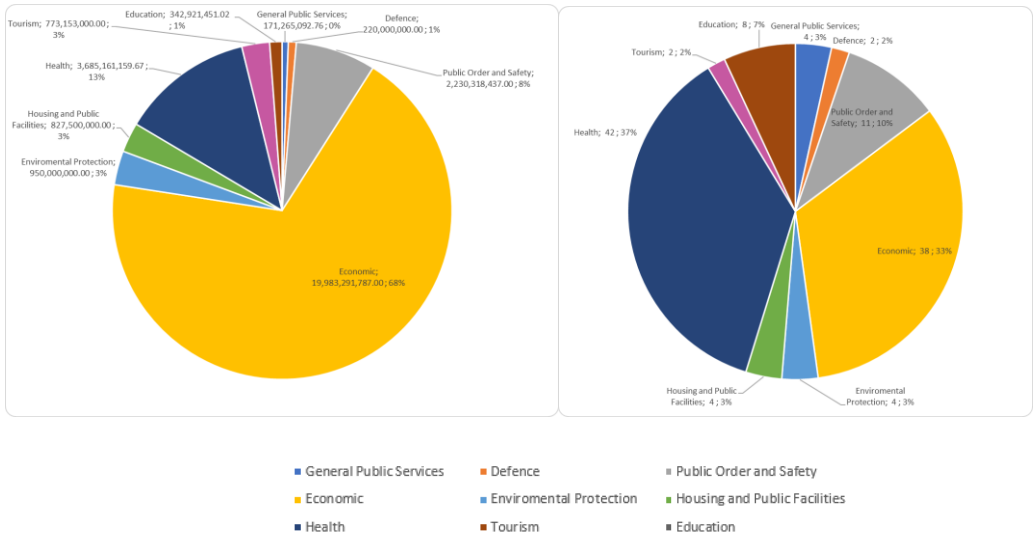


Figure 2.3 Distribution of the Number of Projects and Total Project Value by Functional Classification after First Revision

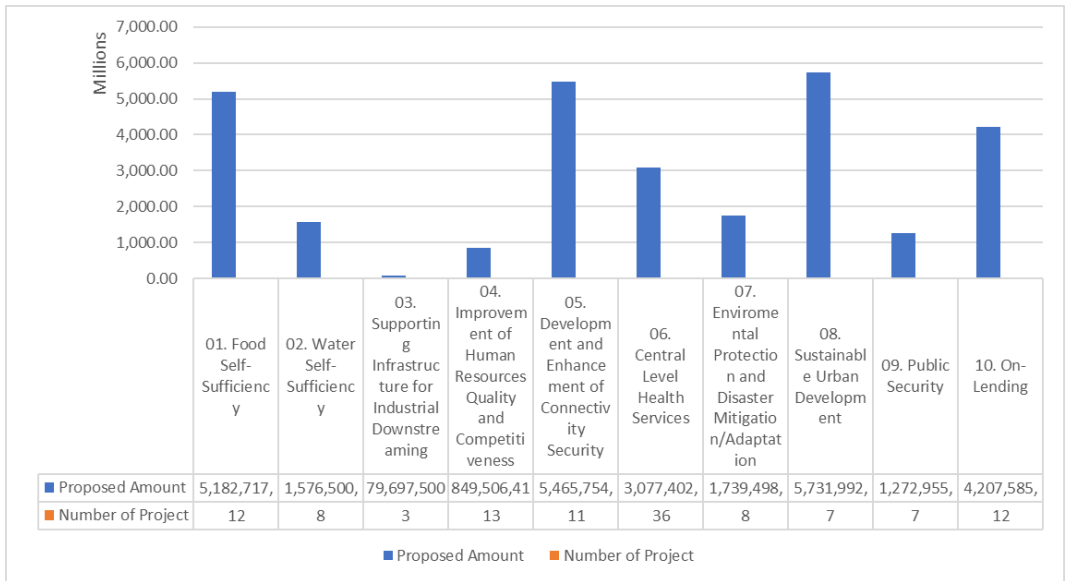


Figure 2.4 Distribution of Total Project Value and Number of Projects by Program Category after First Revision

Table 2. 1 List of Programs and Projects in DRPLN-JM 2025-2029 (2026 2nd Revision)

No	Program/ Project	Executing Agency	Loan
1	Food Self-Sufficiency		5,182,717.96
	a. Youth Entrepreneurship and Employment Support Services Scaling Up Intervention Program (YESS-SI)	Ministry of Agriculture	30,000.00
	b. Rentang Irrigation Modernization Project Phase II (RIMP-II)	Ministry of Public Works	200,000.00
	c. Groundwater for Food Sustainability and Sovereignty (GRASS)		200,000.00
	d. Indonesia Road Connectivity Improvement Program to Support Food Self Sufficiency		2,250,000.00
	e. Development and Rehabilitation of Irrigation Project		400,000.00
	f. Food Irrigation Security Project (FISP)		500,000.00
	g. Optimized Lowland Irrigation for Food Security (OLIFS)		200,000.00
	h. Climate Solution for Food, Nutrition, and Health Security	Ministry of Higher Education, Science, and Technology	92,717.96
	i. Integrated and Development of Fishing Ports (Eco Fishing Port) Phase II	Ministry of Marine Affairs and Fisheries	300,000.00
	j. Enhancing Mariculture Facility and Integrated Seaweed Development Project		150,000.00
	k. Strengthening Food Security and Green Economic Development in Indonesia's Villages	Ministry of Villages and Development of Disadvantaged Regions	800,000.00
	l. Indonesia Food Systems and Infrastructure in Villages and Disadvantaged Regions		60,000.00
2	Water Self-Sufficiency		1,576,500.00
	a. Development of Water Supply - Green Infrastructure Initiative (GII)	Ministry of Public Works	85,500.00
	b. Regional Water Supply Project (RWSP)		372,000.00

No	Program/ Project	Executing Agency	Loan
	c. Pelosika Multipurpose Dam Construction Project (Package 1)		311,000.00
	d. Pelosika Multipurpose Dam Construction Project (Package 2)		190,000.00
	e. Riam Kiwa Multipurpose Dam Construction Project		98,000.00
	f. Water Security for Small Islands Development (WaSSID)		150,000.00
	g. Karian Dam - Serpong Water Conveyance System Stage II		120,000.00
	h. Raw Water Supply for Regional Drinking Water System Development Project		250,000.00
3	Supporting Infrastructure for Industrial Downstreaming		79,697.50
	a. The Development Technovation Center of Excellence for Strengthening National Semiconductor Industry Ecosystem to Support AI-based Indonesia Digital Economy in Politeknik Negeri Batam	Ministry of Higher Education, Science, and Technology	60,012.50
	b. Developing a National Semiconductor Ecosystem through Industry-Aligned Chip Design with a Focus on Global Market Competitiveness	Ministry of Industry	16,185.00
	c. Strengthening the Ecosystem of the Indonesia Manufacturing Center (IMC) through the Provision of Services and Fulfillment of Infrastructure Facilities for Machinery and Equipment		3,500.00
4	Improvement of Human Resources Quality and Competitiveness		849,506.42
	a. Strengthening Apparatus Management and Development (SMART)	Ministry of National Development Planning/National Development Planning Agency	50,000.00

No	Program/ Project	Executing Agency	Loan
	b. Development of Airlangga SMART Park	Ministry of Higher Education, Science, and Technology	22,026.23
	c. Improving the Quality of Medical, Specialist, and Health Professional Education in Indonesia through the Development of Disaster-Resilient Teaching Hospitals and Strengthened Academic Health System Collaboration		75,000.00
	d. The Development of Sustainable Teaching Hospital Through Strengthening Healthy Integrated Smart (HITS) and Green Initiative at Universitas Sultan Ageng Tirtayasa		48,015.00
	e. UNAIR Veterinary Transformation and Research Innovation Exchange		16,170.00
	f. Polnes-Industry Strategic Collaboration for sustainable transformation in mining and plantations based on Green Technology (PIGreen)		24,375.00
	g. Collaboration of University Teaching Hospital "Sekar Purwo" as Integrated Health Research and Services Centers		273,932.91
	h. Development of Academic Health System of Universitas Padjadjaran in West Java		118,438.08
	i. UPI Education Quality Improvement Project		48,105.75
	j. Strengthening Medical Education and Medical Professional Education at Universitas Negeri Surabaya with Sports Excellence as the Center for Indonesian Sport Science		51,515.15
	k. Development of Vocational Training Center-Sidoarjo		Ministry of Manpower
	l. The Development of Educational Facilities of The State Islamic University of Alauddin Makassar	Ministry of Religious Affairs	62,494.08

No	Program/ Project	Executing Agency	Loan
	<i>m. UIN Ar-Raniry Banda Aceh Development and Quality Improvement</i>		43,750.00
5	Development and Enhancement of Connectivity Security		5,440,499.73
5.a	Development of Land, Air, and Sea Transportation Facilities and Infrastructure		5,010,534.00
	<i>a. Development of Trans South South Java Road Project Phase II</i>	Ministry of Public Works	300,000.00
	<i>b. Kalimantan Border Road Development Project</i>		922,256.00
	<i>c. Development of Trans South–South Java Road Project Phase III (TRSS Phase III)</i>		496,635.00
	<i>d. Toll Road Development in Sumatera Islands: Jambi–Rengat Section Phase I (Sp. Ness–Merlung)</i>		1,624,371.00
	<i>e. Development of Padang - Pekanbaru Toll Road</i>		1,340,092.00
	<i>f. Kalimantan Missing Link Corridor Road Development Project</i>		327,180.00
5.b	Improvement of Land, Air, and Sea Transportation Safety		429,965.73
	<i>a. Strengthening Flight Information Region and Development of Aviation Meteorology Services (STR-FIR)</i>	Meteorology, Climatology, and Geophysical Agency	27,252.59
	<i>b. Enhancement of Indonesian Weather Radar Network for Extreme Weather Warning Capabilities (ERAWING)</i>		34,000.00
	<i>c. Railway Crossing Improvement Project</i>	Ministry of Public Works	172,950.00
	<i>d. 9 Over-the-Horizon Radar (OTHR) Stations</i>	Maritime Security Agency	120,000.00
	<i>e. N-219 Aircraft</i>		75,763.14
6	Central Level Health Services		3,077,402.47

No	Program/ Project	Executing Agency	Loan
6.a	Improvement of Hospital Facilities and Infrastructure		2,608,452.47
	a. Procurement of Medical Equipment for Army Hospital dr. AK. Gani Palembang	Ministry of Defense	13,728.00
	b. Procurement of Medical Equipment and Supporting Facilities for Army Hospital Salak-Bogor		10,388.00
	c. Procurement of Medical Equipment and Supporting Facilities for Army Hospital Moh. Ridwan Meuraksa-Jakarta		11,894.00
	d. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Midiyato Suratani and Naval Hospital dr. Komang Makes-Belawan		13,503.00
	e. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Mintohardjo		15,434.00
	f. Improvement of Capabilities and Capacities Medical Services at Air Force Hospital dr. Kresno Manuhua-Biak		20,000.00
	g. Upgrading Medical Equipments for Army Hospital dr. R. Hardjanto		11,002.00
	h. Upgrading Medical Equipments for Army Hospital Kartika Husada		9,158.00
	i. Upgrading Medical Equipments for Army Hospital Prof. Dr. J. A. Latumeten Hospital		7,628.00
	j. Upgrading Medical Equipments for Army Hospital Iskandar Muda		12,057.00
	k. Procurement of Field Hospital for Kodam XVI Pattimura, Kodam XVII Cendrawasih, and Kodam XVIII Kasuari		30,793.00
	l. Pharmaceutical Institute, Army Medical Center		5,657.00
	m. Procurement of Medical Equipment and Supporting Facilities for Biomedical Institute, Army Medical Center		5,657.00

No	Program/ Project	Executing Agency	Loan
	<i>n. Procurement of Medical Equipment for Biology Vaccine Institute, Army Medical Center</i>		3,959.00
	<i>o. Procurement of Medical Equipment and Supporting Facilities for Medical Equipment Institute, Army Medical Center</i>		3,959.00
	<i>p. Procurement of Medical Equipment for Army Hospital Rumkit Tk. IV Gorontalo</i>		8,274.00
	<i>q. Procurement of Medical Equipment and Supporting Facilities for Army Hospital dr. Noesmir Baturaja</i>		9,051.00
	<i>r. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Ilyas, Tarakan and Naval Hospital dr. R. Ghandi AT</i>		8,785.00
	<i>s. Procurement of Field Hospital for Marine Corps Health Battalion</i>		10,264.00
	<i>t. Procurement of Medical Equipment for Naval Hospital Teeth and Mouth R.E. Martadinata</i>		7,372.00
	<i>u. Improvement of Capabilities and Capacities Medical Service at Air Force Hospital dr. Hoediyono</i>		20,000.00
	<i>v. Improvement of Capabilities and Capacities Medical Service at Air Force Hospital El Tari</i>		20,000.00
	<i>w. Procurement of Field Hospital for Air Force</i>		8,335.00
	<i>x. Improvement of Capabilities and Capacities Medical Service at RSAU dr. Efram Harsana</i>		9,842.00
	<i>y. Procurement of Medical Equipment for Ministry of Defense</i>		49,540.00
	<i>z. Upgrading Medical Equipment and Support for Air Force Hospital</i>		5,980.00

No	Program/ Project	Executing Agency	Loan
	<i>Procurement of Medical Equipment for Military Health Center</i>		
	<i>aa. Development of the Center of Excellence in Tropical Herbal Medicine integrated with UNS Hospital</i>	Ministry of Higher Education, Science, and Technology	47,712.48
	<i>ab. Dr. Angka Nitisastro Teaching Hospital: Integrating Innovation Excellence and Medical Heritage to Build a Technology-Driven Healthcare Hub for Indonesia</i>		21,452.20
	<i>ac. UBB Education Quality Improvement Project for the Center of Excellence of Minerals, Rare Earths, Green Energy, and Mining Health in Sumatra</i>		34,161.49
	<i>ad. The Upgrading of UNRAM Teaching Hospital as The Center of Excellence in Stem Cell Research and Regenerative Therapy in Eastern Indonesia</i>		28,125.00
	<i>ae. RSAB Harapan Kita Building Construction Project and Area Arrangement of 3 Berlian Hospitals (i. RSAB Harapan Kita; ii. RSJPD Harapan Kita, dan iii. RS Kanker Dharmais)</i>	Ministry of Health	226,415.00
	<i>af. Construction and Development of Hospitals to Improve Access and Quality of Services in order to Increase the Capacity of GovernmentOwned Teaching Hospitals</i>		1,148,369.66
	<i>ag. Indonesia Supporting Tuberculosis Elimination Project</i>		211,160.75
	<i>ah. Indonesia Cervical Cancer Elimination Project</i>		558,795.90
6.b	Enhancement of Food and Pharmaceutical Safety Controlling		468,950.00
	<i>a. Transformation of the Drug and Food Surveillance System through the Strengthening and Digitalization of Laboratories, Vocational Education,</i>	Food and Drug Authority	218,950.00

No	Program/ Project	Executing Agency	Loan
	Data and Information System Integration for Consumer Protection		
	b. Integrated National Quarantine: Biosecurity and Traceability System	Indonesian Quarantine Agency	250,000.00
7	Environmental Protection and Disaster Mitigation/Adaptation		1,739,498.24
7.a	Coastal Zone Protection		410,000.00
	a. Indonesia Blue Economy for Coastal Livelihood (Blue Coast)	Ministry of Marine Affairs and Fisheries	60,000.00
	b. Integrated Coast Protection in Selected Area	Ministry of Public Works	350,000.00
7.b	Flood Risk Management		845,318.00
	a. Integrated Urban Flood Management Project in JABODETABEK Phase I	Ministry of Public Works	95,318.00
	b. Integrated Urban Flood Management in JABODETABEK Phase II		450,000.00
	c. Flood Management in Selected Area to Support Food Security		300,000.00
7.c	Disaster Mitigation/Adaptation		484,180.24
	a. Volcanic Disaster Risk Reduction Sector Loan Phase 2	Ministry of Public Works	200,000.00
	b. Development of Early Action for Disaster Risk Management Ecosystem in Indonesia	National Agency for Disaster Countermeasure	250,000.00
	c. Improving Public Resilience of Fire Risk through the Development of Regional Firefighting Infrastructure and Human Resources	Ministry of Home Affairs	34,180.24
8	Sustainable Urban Development		5,731,992.78
8.a	Solid Waste Management		600,000.00
	a. Local Service Delivery Project (LSDP)	Ministry of Home Affairs	350,000.00
	b. Solid Waste Management for Sustainable Urban Development	Ministry of Public Works	150,000.00

No	Program/ Project	Executing Agency	Loan
	<i>c. Transforming Governance of Waste Management and Strengthening Sustainable Financing</i>	Ministry of Environment/ Environment Control Board	100,000.00
8.b	<i>Integrated Regional and Urban Facilities and Infrastructure</i>		5,131,992.78
	<i>a. Construction of Jakarta Mass Rapid Transit Project North South Phase 2A (3rd Slice Loan)</i>	Ministry of Transportation	686,076.87
	<i>b. Construction of Jakarta Mass Rapid Transit Project North South Phase 2B (3rd Slice Loan)</i>		1,288,811.97
	<i>c. Construction of Jakarta Metropolitan Mass Rapid Transit East-West Corridor Project Phase I Stage I</i>		2,757,103.94
	<i>d. Sustainable and Quality Tourism Development Program</i>	Ministry of Tourism	400,000.00
9	<i>Public Security</i>		1,272,955.66
9.a	<i>Counterterrorism</i>		100,000.00
	<i>a. Strengthening Integrated Terrorism Prevention</i>	National Counter Terrorism Agency	100,000.00
9.b	<i>Counter-Narcotics</i>		400,000.00
	<i>a. Strengthening Integrated Rehabilitation and Public Education Information System Services to Support Drug Prevention and Control Efforts</i>	National Narcotics Board	130,166.25
	<i>b. Modernization of Rehabilitation Facilities, Laboratory Services, and Operational Support in Drug Control Efforts</i>		108,417.90
	<i>c. Enhancing National Security Capacity Through the Modernization of BNN's Operational and Intelligence Capacity</i>		161,415.85
9.c	<i>Cybersecurity</i>		772,955.66

No	Program/ Project	Executing Agency	Loan
	a. Strengthening Cyber Security Ecosystem in Indonesia	National Cyber and Crypto Agency	249,802.66
	b. Procurement of Communication Data Analysis Monitoring Center System Equipment	Corruption Eradication Commission	150,000.00
	c. Digitalization of Broadcasting System (DBS) Project	Indonesia's Public Television Broadcasting Institution (LPP TVRI)	373,153.00
10	On-Lending		4,207,585.76
10.a	Energy Self-Sufficiency		3,549,130.00
	a. Hululais Geothermal Power Plant Project	PT PLN	204,000.00
	b. Sumatera PS Hydroelectric Power Plant		427,500.00
	c. Matenggeng Pumped Storage (PS) Hydroelectric Power Plant		1,000,000.00
	d. Pokko Hydroelectric Power Plant		343,000.00
	e. Cilacap Bio Refinery/Cilacap Green Refinery	PT Pertamina	446,100.00
	f. Ulubelu Extension 1 Geothermal Powerplant Project		135,160.00
	g. Lumut Balai Unit 3 Geothermal Powerplant Project		158,860.00
	h. Lumut Balai Unit 4 Geothermal Powerplant Project		148,970.00
	i. Lahendong Unit 7&8 Geothermal Powerplant Project		170,040.00
	j. Bio Refinery Sumatera		515,500.00
10.b	Regional Health Services		58,455.76
	a. RSUD Dr Mohammad Zyn Sampang Regency Building Construction Project	Regional Government of Sampang Regency, East Java Province	58,455.76

<i>No</i>	<i>Program/ Project</i>	<i>Executing Agency</i>	<i>Loan</i>
10.c	<i>Support for a Green/Sustainable Economy</i>		600,000.00
	<i>a. Indonesia Industrial Decarbonization and Competitiveness Facility</i>	<i>Ministry of Industry</i>	600,000.00
	TOTAL		29,158,356.52

CHAPTER 3

PROJECT DIGESTS

This chapter presents a project digest of DRPLN-JM 2020-2024 (2023 2nd Revision). The project digest is a summary of information regarding the project which covers executing agency, implementing agency, background, scope of work, output, outcome, duration of implementation, location, amount of loan, and counterpart funding. In this chapter listed 96 project digests which are categorized in 10 programs.

Food Self-Sufficiency

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1. **Project Title** : **Youth Entrepreneurship and Employment Support Services Scaling Up Intervention Program (YESS-SI)**
 2. **Program Title** : Food Self-Sufficiency
 3. **Executing Agency** : Ministry of Agriculture
 4. **Implementing Agency** : Agency for Extension and Development of Agricultural Human Resources, Ministry of Agriculture
 5. **Duration** : 48 months
 6. **Location** : Special Region of Yogyakarta Province, Central Java Province, Banten Province, South Sumatera Province, North Sumatera Province, East Nusa Tenggara Province, West Papua Province, and Southwest Papua
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7. Objectives

Creating opportunities for SMKPP/Polbangtan/PEPI graduates to be accepted in the labor market and/or entrepreneurship in the agricultural sector, creating opportunities for rural youth to earn a living in the agricultural sector through employment and/or agricultural-based businesses, increasing youth involvement in agricultural development that sustainability and regeneration of farmers, and increasing youth involvement in the downstreaming of agricultural commodities to increase added value and product competitiveness.

8. Scope of Works

- a. Component 1: Rural Youth Employment Transition Period
 - i. Linking Vocational Education with Employment;
 - ii. Apprenticeship.
- b. Component 2: Village Youth Entrepreneurship
 - i. Institutions and Capacity Building;
 - ii. Services for young farmers and entrepreneurs;
 - iii. Capacity Building for Financial Inclusion.
- c. Component 3: Investment for Village Youth
 - i. Access to funding and promoting intensive financial literacy including agribusiness micro-finance;
 - ii. Agro-food incubators and accelerators infrastructure development.
- d. Component 4: Enabling environment for Village Youth
 - i. Building Partnerships;
 - ii. Village Youth Mobilization;
 - iii. Policy for Youth in Agriculture;
 - iv. Project management.

9. Outputs

- a. 24 TVET institutions running programs that facilitate youth transition to work;
- b. 34,000 rural businesses accessing BOS. 24,000 people trained in business management. 16,000 people trained in financial literacy;
- c. \16,000 Number of people accessing financial services;
- d. 2 program-generated policy drafts adopted by the agriculture ministry. (1 policy of the minister of agriculture and 1 operational policy at echelon 1 level).

10. Outcomes

- a. 22,400 young people took advantage of employment and business opportunities in agriculture;
- b. 60% of the program's young farmer/entrepreneur beneficiaries reported an increase in income and the number of businesses operating profitably after 2 years as well as creating jobs for 5,600 people;
- c. 32,000 young women and men have access to inclusive financial services;
- d. 2 (two) policies that support youth involvement in the rural economy.

11. National Priorities in RPJMN 2020-2024

This project is carried from the previous list of Medium-Term Planned External Loan / Blue Book. Therefore, the project remains aligned with the National Priorities set out in the RPJMN 2020-2024 as follows:

- a. Strengthening Economic Resilience for Quality and Equitable Growth;
- b. Increasing the Quality and Competitiveness of Human Resources.

12. Project Cost

<ul style="list-style-type: none">● Foreign Funding		<ul style="list-style-type: none">● Counterpart Funding	
- Loan : US\$	30,000,000	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
<hr/>		<hr/>	
Subtotal : US\$	30,000,000	Subtotal : US\$	0
TOTAL : US\$	30,000,000		

1. Project Title	: Rentang Irrigation Modernization Project Phase II (RIMP-II)
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 60 months
6. Location	: Regency of Majalengka, Indramayu, and Cirebon, Province of West Java

7. Objectives

Supporting the Vision and Mission of the President and Vice President 2025–2029 in the 2nd mission, namely: strengthening the state's defense and security system and encouraging national independence through self-sufficiency in food, energy, water, sharia economy, digital economy, green economy, and blue economy. This mission will be achieved with a food, energy, and water self-sufficiency program where a minimum of 4 million Ha of additional food crop harvest area is targeted to be achieved by 2029. To support this, activities are designed with the following objectives:

1. Implementing Modernization of Irrigation in Rentang Irrigation System for area 21,470 Ha;
2. Improving management and water efficiency in real time, real loss, real allocation through telemetry system;
3. Improving water productivity by implementing Water-Saving Irrigation (Irigasi Padi Hemat Air) which increases water use efficiency and decreases methane gas emission;
4. Developing "Precision Irrigation" to serve multi-commodities irrigation area;
5. Increasing cropping intensity by 280%.

8. Scope of Works

- a. Modernization of Irrigation on Rentang Scheme right area;
- b. Implementation of Remote Sensing in order to monitor the cropping season;
- c. Stakeholders coordination at production and marketing phase;
- d. Implementation of Carbon Credit Mechanism Development through water use efficiency;
- e. Support in overall project management, coordination, technical assistance for project investment..

9. Outputs

- a. Rehabilitation and upgrading of 170 km primary canals on Right Bank area;
- b. Water allocation system based on efficiency principles to fulfill requirement of High Value Crops;
- c. Establishment of Modern Irrigation Management Unit in Rentang Irrigation Scheme.

10. Outcomes

- a. Irrigation infrastructures rehabilitated and upgraded in Right Bank Area of Rentang Irrigation Scheme serving approximately 21.470 Hectares;
- b. Irrigation Water is allocated based on actual cropping water requirement;
- c. Modern Irrigation Management Unit in Rentang Irrigation Scheme has been established.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 200,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 200,000,000	Subtotal : US\$ 0
TOTAL : US\$ 200,000,000	

-
1. **Project Title** : **Groundwater for Food Sustainability and Sovereignty (GRASS)**
 2. **Program Title** : Food Self-Sufficiency
 3. **Executing Agency** : Directorate General of Water Resources, Ministry of Public Works
 4. **Implementing Agency** : Directorate General Water Resources, Ministry of Public Works supported by Directorate General of Agriculture, Ministry of Agriculture, BBWS Mesuji Sekampung, BBWS Nusa Tenggara I, BBWS Nusa Tenggara II, BBWS Pompengan Jeneberang, BBWS Sumatera II, BWS Kalimantan II, BWS Kalimantan III, BWS Papua Merauke, BWS Sumatera I, BWS Sumatera VI
 5. **Duration** : 48 months
 6. **Location** : Provinsi Aceh, Provinsi Sumatera Utara, Provinsi Riau, Provinsi Jambi, Provinsi Sumatera Selatan, Provinsi Lampung, Provinsi Bangka Belitung, Provinsi Kalimantan Barat, Provinsi Kalimantan Tengah, Provinsi Kalimantan Selatan, Provinsi Kalimantan Utara, Provinsi Sulawesi Selatan, Provinsi Nusa Tenggara Barat, Provinsi Nusa Tenggara Timur and Provinsi Papua Selatan
-

7. Objectives

Indonesia, the world's fourth most populous country, depends heavily on rice, making reliable water availability essential for food security and the vision of Golden Indonesia 2045. As rice cultivation is highly water-intensive and water resources are increasingly limited and unevenly distributed, groundwater remains a critical source especially in low-rainfall and irrigation-deficit areas must be managed sustainably to prevent aquifer decline. The Directorate of Groundwater and Bulk Water (DGBW) plays a key role in securing agricultural water through the JIAT system amid growing climate risks to surface water. Through sustainable groundwater management and innovative technologies, the GRASS program aims to ensure reliable irrigation water while conserving resources and strengthening long-term national resilience.

8. Scope of Works

GRASS Project focuses on addressing groundwater challenges through innovative infrastructure, governance reforms, and community engagement. The scope encompasses the following components:

- a. Infrastructure Development & Groundwater Recharge;
- b. Innovative Technology Integration;
- c. Studies, Policy, and Governance for Groundwater Sustainability and Sovereignty;
- d. Project Management, Community Engagement, Gender, and Capacity Building.

9. Outputs

- a. Develop irrigation wells 1.300 Unit;
- b. Construct recharge wells, infiltration ponds 100 Unit;
- c. Rehabilitation Existing Wells 1,000 Unit;
- d. Preparation of Groundwater Revitalization Plan 1 document;
- e. Development of national and regional groundwater management policies 1 document;
- f. Build up Groundwater Information Center 4 location;

g. Development of groundwater models 1 document.

10. Outcomes

- a. Stable irrigation water supply through the JIAT system to support the development of 13,000;
- b. Rehabilitation of wells to restore irrigation services covering 10,798 hectares;
- c. Rehabilitation of existing wells with a discharge of 32.82 L/s

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none">● Foreign Funding	<ul style="list-style-type: none">● Counterpart Funding
- Loan : US\$ 200,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 200,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 200,000,000	

1. Project Title	: Indonesia Road Connectivity Improvement Program to Support Food Self Sufficiency
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Directorate General of Highways, Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways, Ministry of Public Works
5. Duration	: 48 months
6. Location	: National and Regional Roads in Indonesia

7. Objectives

- a. Continuing the Regional Road Grant Program 2019-2023 by expanding the program to reach more Provincial /District/City Governments;
- b. Enhancing corridor-based connectivity in National Strategic Areas;
- c. Improving the condition of national, provincial, district, and city roads in KSN locations;
- d. Enhancing the governance of national and regional road management (value for money) to support increased accessibility in priority areas.

8. Scope of Works

Improvement of national roads and grants for regional road management to local government using a corridor-based approach (inlet/outlet to/from National Strategic Areas or origin-destination corridor approach) within National Strategic Areas (KSN) includes:

- a. Focus Areas for Food Self-Sufficiency (Food Estate/KSPP, Agricultural Areas, Plantation Areas, Fisheries Centers);
- b. Other Productive Areas (Special Economic Zones/Industrial Areas, priority Tourism Areas).

9. Outputs

- a. Road Physical Activities
 - Routine road maintenance activities, including preventive road handling;
 - Periodic road maintenance;
 - Rehabilitation activities;
 - Reconstruction activities;
 - Widening activities to meet standards.
- b. Non-Road Physically Activities
 - Enhancement of technology application in conducting rational planning, programming, and budgeting procedures using road management applications;
 - Capacity building for local government institutions in road management and technical skills in inclusive detailed technical design;
 - Increasing community participation in road management.

10. Outcomes

- a. Enhancement of the percentage of stable roads in the proposed area;
- b. Reduction of travel time in the proposed area;
- c. decrease in vehicle operating costs;
- d. Reduction in accident rates;
- e. Increase in local revenue derived from National Strategic Areas.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 2,250,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 2,250,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 2,250,000,000	

1. Project Title	: Development and Rehabilitation of Irrigation Project
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 60 months
6. Location	<ul style="list-style-type: none"> a. South Sumatera Province (Komerling Irrigation Scheme); b. West Sumatera Province (Panti Rao Irrigation Scheme); c. South Sulawesi Province (Saddang Irrigation Scheme); d. Central Java Province (Wadaslintang Irrigation Scheme, Waduk Gunung Rowo Irrigation Scheme, Pesantren Klethak Irrigation Scheme, Singomerto Irrigation Scheme, and Tajum Irrigation Scheme); e. East Java Province, (Bondoyudo Irrigation Scheme, Bedadung Irrigation Scheme, Asin Bawah Irrigation Scheme); f. Banten Province (Cisadane Irrigation System, Ciujung Irrigation System, and Cidurian Irrigation System); g. Lampung Province (Way Rarem Irrigation Scheme); h. West Nusa Tenggara Province (High-Level Diversion Canal); i. Aceh Province (Jeuram Irrigation Scheme); j. Central Sulawesi (Sausu Atas Irrigation Scheme)

7. Objectives

Supporting the Vision and Mission of the President and Vice President 2025 – 2029 in the 2nd mission namely: Strengthening the State's defense and security system and encouraging national independence through self-sufficiency in food, energy, water, sharia economy, digital economy, green economy, and blue economy. This mission will be achieved with a food, water, and energy self-sufficiency program whereas minimum of 4 million hectares of additional food crop harvest area is targeted to be achieved by 2029. Following these targets, the supporting activities are designed by increases rice production and sustainable management of efficient and resilient to climate change irrigation systems in 10 Provinces.

8. Scope of Works

- a. Development of an irrigation system which is efficient and resilient to climate change;
- b. Upgrading and rehabilitation of irrigation systems which are efficient and resilient to climate Change;
- c. Improvement of 2 Technical Water Research Units related to irrigation to support food security;
- d. Project management;
- e. Preparation of Design review.

9. Outputs

- a. Development of 37 km of an irrigation main system;
- b. Upgraded and rehabilitated 891 km irrigation main systems;
- c. Improvement of 2 Technical Water Research Units related to irrigation;

- d. Preparation of Design Reviewed Documents for climate change resilient irrigation main systems.

10. Outcomes

- a. A new developed irrigation scheme serving approximately 2.500 Hectares of area;
- b. Upgraded and Rehabilitated 122.199 Hectares of existing irrigation main systems;
- c. Improvement of 2 Technical Water Research Units related to irrigation main systems;
- d. Preparation of Design Reviewed Documents for climate change resilient irrigation main systems.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 400,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 400,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 400,000,000	

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1. **Project Title** : **Food Irrigation Security Project (FISP)**
 2. **Program Title** : Food Self-Sufficiency
 3. **Executing Agency** : Ministry of Public Works
 4. **Implementing Agency** : Directorate General of Water Resources
 5. **Duration** : 60 months
 6. **Location** :
 - a. South Sulawesi Province;
 - b. West Nusa Tenggara Province;
 - c. Aceh Province;
 - d. South Kalimantan Province;
 - e. West Java Province;
 - f. Central Java Province;
 - g. East Java Province;
 - h. Special Region of Yogyakarta Province.
-

7. Objectives

Supporting the Vision and Mission of the President and Vice President 2025 – 2029 in the 2nd mission namely: Strengthening the State’s defense and security system and encouraging national independence through self-sufficiency in food, energy, water, sharia economy, digital economy, green economy, and blue economy. This mission will be achieved with a food, water, and energy self-sufficiency program whereas minimum of 4 million hectares of additional food crop harvest area is targeted to be achieved by 2029. Following these targets, the supporting activities are designed by increasing rice production and sustainability of irrigation system supported by “Good Condition” multi-purpose dams outflow in 10 Provinces.

8. Scope of Works

- a. Preparation of Detailed Design Documents and Other Planning Documents;
- b. Rehabilitation and upgrading of selected Irrigation Systems;
- c. New development of selected Irrigation Area;
- d. Improvement of Information System and Capacity of Water Resources Technical Unit;
- e. Support in overall project management, coordination, technical assistance for project implementation support, procurement, financial management, and project performance as well as monitoring and evaluation results. and other preparatory activities required for Project investment.

9. Outputs

- a. Development of 343 km of Irrigation Main Systems;
- b. Rehabilitation and Improvement of 871,97 km of Irrigation Main Systems;
- c. Capacity improvement of Water Resources Technical Unit.

10. Outcomes

- a. Development of 36.068 Hectares of Irrigation Main Systems;
- b. Rehabilitation and Improvement of 55.608 Hectares of Irrigation Main Systems;
- c. Services improvement of Water Resources Technical Unit.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	500,000,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	500,000,000	Subtotal	: US\$	0
TOTAL	: US\$	500,000,000			

1. Project Title	: Optimized Lowland Irrigation for Food Security (OLIFS)
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 60 months
6. Location	: a. Riau Province (Kuala Sebatu Lowland Irrigation System); b. Jambi Province (Simpang Datuk Lowland Irrigation System, Koto Kandis Lowland Irrigation System, Senyerang Lowland Irrigation System; Teluk Nilai Lowland Irrigation System); c. South Sumatera Province (Delta Telang Lowland Irrigation System, Delta Air Sugihan Kiri Lowland Irrigation System); d. West Kalimantan Province (Tebang Kacang II Lowland Irrigation System, Sungai Awan Lowland Irrigation System, Semelagi Kompleks Lowland Irrigation System, Radak I & II Lowland Irrigation System); e. Central Kalimantan Province (Block D for Kapuas Regency Working Area and Block D for Pulang Pisau Regency Working Area); f. East Kalimantan Province (Sebakung Lowland Irrigation System); g. South Kalimantan (Klaster Anjir Serapat Lowland Irrigation System and Jejangkit Lowland Irrigation System); h. Central Sulawesi (Saemalawati Lowland Irrigation System); i. South Papua Province (Kurik Lowland Irrigation System).

7. Objectives

Supporting the Vision and Mission of the President and Vice President 2025 – 2029 in the 2nd mission namely: Strengthening the State’s defense and security system and encouraging national independence through self-sufficiency in food, energy, water, sharia economy, digital economy, green economy, and blue economy. This mission will be achieved with a food, water, and energy self-sufficiency program whereas a minimum of 4 million hectares of additional food crop harvest area is targeted to be achieved by 2029. Following these targets, the supporting activities are designed by increasing rice production and sustainability of lowland irrigation system management in 9 Provinces.

8. Scope of Works

- a. Rehabilitation and upgrading of selected Lowland Irrigation Areas;
- b. Implementation of climate change adaptive irrigation management;
- c. Improvement of facilities and infrastructure for development, engineering, and technology transfer at Lowland Technical Unit;
- d. Support in overall project management, coordination, technical assistance in support of project implementation, procurement financial management, project performance and monitoring evaluation results, and other preparatory activities required for project investment.

9. Outputs

- a. Rehabilitation and Improvement of 2.731 km of Lowland Irrigation Areas;
- b. Capacity improvement of Lowland Technical Unit

10. Outcomes

- a. Rehabilitation and improvement of 118.339 Hectares of Lowland Irrigation Systems (Central-Provincial-Regency Government);
- b. Services Improvement of Lowland Technical Unit.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none">● Foreign Funding- Loan : US\$ 200,000,000- Grant : US\$ 0	<ul style="list-style-type: none">● Counterpart Funding- Central Government : US\$ 0- Regional Government : US\$ 0- State-Owned Enterprise : US\$ 0- Others : US\$ 0
<hr/> Subtotal : US\$ 200,000,000	<hr/> Subtotal : US\$ 0
<hr/> TOTAL : US\$ 200,000,000	

1. Project Title	: Climate Solution for Food, Nutrition, and Health Security
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Kementerian Pendidikan Tinggi, Sains, dan Teknologi - Republik Indonesia
4. Implementing Agency	: Institut Pertanian Bogor (IPB University)
5. Duration	: 60 months
6. Location	: Jl. Raya Dramaga, Kampus IPB Dramaga Bogor 16680 West Java, Indonesia

7. Objectives

- a. Providing adequate and Up to Date Learning and Research Facilities;
- b. Enhancing the Capacity of Faculty and Researchers in the Field of Food Security, Nutrition, and (One) Health;
- c. Supporting National Programs, such as food self-sufficiency and Free Nutritious Meal Programs Ecosystem, with evidence-based research to inform effective and sustainable policies and practices;
- d. Construction of University Teaching Hospital and a Biosecurity Research Center, Bogor Agromaritime Human Research Institute (BAMHRI).

8. Scope of Works

The scope of work will be:

- a. Infrastructure Development and Renovation
 - Construction of New Educational and Research Facilities;
 - Renovation of Existing Educational Buildings.
- b. Capacity Building for Faculty Members and Researchers and Administrative Staffs
 - Doctoral Education (degree-seeking);
 - Training and Professional Development (non-degree).
- c. Capacity Building for supporting government's programs;
- d. Increasing IPB University's for Biosecurity research agenda as one health approach -> Biosecurity Surveillance.

9. Outputs

- a. New buildings to support educational and research activities with an area of 61,300 m²;
- b. Teaching hospital of 18.00 m² (Type C);
- c. Revitalization of existing buildings with an area of 1,500 m² to enhance existing facilities in order to support educational activities;
- d. Up-to-date and adequate laboratory equipment for education and research, in total of approximately >300 items;
- e. Enhancement of human resources, where 25 lecturers are funded to pursue doctoral education abroad;
- f. Leveraging human resources capacities, where 1,000 lecturers and staffs.

10. Outcomes

The outcomes of the program are as follows:

- a. Improved student services, and learning experiences in the higher education process that can support the quality of the Nation's Generation in 2045;
- b. Improved quality of research by lecturers and students, leading to an increase in the quantity and quality of reputable international publications and international reputation;
- c. Increased adoption of IPB's products, technologies, and intellectual contributions in the broader agricultural sector;
- d. Leveraging IPB University's role in medical areas and biosecurity as one health imperative.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports, Achievement, Gender Equality, and Empowering women, youth, and persons with disabilities.

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	92,717,956	- Central Government	: US\$	312,500
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	92,717,956	Subtotal	: US\$	312,500
TOTAL : US\$ 93,030,456					

1. Project Title	: Integrated and Development of Fishing Ports (Eco Fishing Port) Phase II
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Ministry of Marine Affairs and Fisheries
4. Implementing Agency	: Directorate General of Capture Fisheries, Ministry of Marine Affairs and Fisheries
5. Duration	: 60 Months
6. Location	: 6 Fishing Ports and other selected provinces <ol style="list-style-type: none"> a. Central Java Province (Tegal City) b. Maluku Province (Ambon City) c. North Sumatra Province (Central Tapanuli Regency) d. West Nusa Tenggara (Central Lombok Regency) e. North Sumatra Province (Medan City) f. West Java Province (Sukabumi Regency)

7. Objectives

The Integrated and Development of Fishing Ports (Eco Fishing Port) Phase II Program aims to provide quality assurance and added value of fish products, to increase national foreign exchange, income of fishers, and ensure sustainable raw materials for fish processing industry, through improving fishing ports infrastructure and facilities which comply with international standards on service quality and environment sustainability.

8. Scope of Works

- a. Preparation, including preparation of fishing port development documents (master plan or master plan review, design details, and environmental impact assessment/AMDAL) and preparation of ISO 14001 certification;
- b. Construction work for basic facilities, functional facilities and supporting facilities for fishing ports and fish markets;
- c. Procurement of goods and equipment, among others data processing and office equipment, facilities and infrastructure for fish catches loading and unloading, communication networks and information systems;
- d. Training, transfer of knowledge and technology including overseas fishing port training; international standard fish markets and ports capacity development training (management, operation and maintenance), alternative energy studies, dissemination, workshops and consultations;
- e. Supervision of construction and maintenance work.

9. Outputs

- a. Improved fishing port facilities in 6 Fishing Ports and other selected provinces, as to feeder fishing ports to support connectivity of international standard fishing ports and fish markets;
- b. Fishing port management training and/or transfer technology for 6 (six) categories of training programs;
- c. Improved fishing port capacity, management system and data management in 6 Fishing Ports and other selected provinces;

- d. The implementation of activities to enhance the capacity of base ports in order to increase non-tax state revenue (PNBP).

10. Outcomes

- a. Increased effectiveness of integrated fishing port management;
- b. Improved fishing port operational services in supporting international fish markets by 10%;
- c. Improved performance of fishing port operational services by 10%;
- d. Increased consumption and export of fisheries products;
- e. Development of integrated fisheries business centers;
- f. Increased income of fishermen, marketers, and other fisheries stakeholders;
- g. To increase the Ministry of Marine Affairs and Fisheries' non-tax state revenue (PNBP) following the development of the 6 Fishing Ports and other selected provinces.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 300,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 300,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 300,000,000	

-
1. **Project Title** : **Enhancing Mariculture Facility and Integrated Seaweed Development Project**
 2. **Program Title** : Food Self-Sufficiency
 3. **Executing Agency** : Ministry of Marine Affairs and Fisheries
 4. **Implementing Agency** : Directorate General of Aquaculture, Ministry of Marine Affairs and Fisheries
 5. **Duration** : 48 months
 6. **Location** : 8 provinces
 - a. Maluku Province: Kepulauan Tanimbar Regency, Maluku Tenggara Regency, Balai Perikanan Budi Daya Laut Ambon
 - b. Nusa Tenggara Timur Province: Sumba Timur Regency
 - c. Lampung Province, Balai Besar Perikanan Budi Daya Laut Lampung
 - d. Riau Islands Province, Balai Perikanan Budi Daya Laut Batam
 - e. Nusa Tenggara Barat Province: Balai Perikanan Budi Daya Laut Lombok
 - f. Central Java Province: Jepara Regency, Balai Besar Perikanan Budi Daya Air Payau Jepara
 - g. East Java Province: Balai Perikanan Budi Daya Air Payau Situbondo
 - h. Gorontalo Province: North Gorontalo Regency
-

7. Objectives

The project aims to: (i) increase the productivity and competitiveness of mariculture and seaweed farming; (ii) upgrading facility, enhancing the capacity, improving operational capability of marine aquaculture technical units (UPT); (iii) increase welfare on mariculture and seaweed farmers; and (iv) improving technology for seed bank cultivation to fulfill the demand of high quality seaweed and increasing seaweed production.

8. Scope of Works

- a. Preparations include conducting surveys and mapping of potential sites and preparing detailed engineering design (DED), technical, economic, financial, social, and environmental feasibility studies, as well as securing land utilization and management rights from local governments and communities. Including updating data and mapping of potential areas for national seaweed aquaculture industry development aligned with marine/spatial planning regulations;
- b. Construction work for hatcheries and laboratory infrastructure facility of mariculture and seaweed farming in 6 (six) Technical Units (UPT) to leverage the production capacity in important mariculture and seaweed commodities, including encompasses the development of an integrated seedbank and culture center for seaweed commodities;
- c. Development of goods and equipment, including production facilities, equipment, and seaweed seeds;

- d. Development of high-quality seedstock through tissue culture and selective breeding, and standardizing seed handling protocols to safeguard genetic quality from laboratory production to field-level distribution;
- e. Increasing the value-added of seaweed-based and fishery products through the strengthening of seaweed and fishery processing units (UPI), downstream industry development, promotion, and expanded global market access;
- f. Supervision of construction and maintenance work to ensure quality, compliance, and achievement of production targets.
- g. Establishment of community-based seedling centers to ensure consistent and timely availability of high-quality planting materials, and capacity building for farmers and technicians on seedstock management, nursery maintenance, and disease prevention;
- h. Conduct environmental carrying capacity assessments, implement eco-friendly farming practices, and develop and promote climate-resilient farming systems.

9. Outputs

- a. Data updated and map of potential areas for national seaweed aquaculture industry development aligned with marine/spatial planning regulations;
- b. Development mariculture and seaweed farming area in 8 locations / provinces;
- c. Development of 4 marine technical unit (Ambon, Batam, Lombok, Lampung);
- d. Development of 3 laboratories of seaweed tissue culture technology (Lampung, Jepara, Situbondo);
- e. Development of an integrated seedbank and culture center for seaweed commodities;
- f. Environmental carrying capacity maps and technical guidelines for sustainable seaweed farming development.

10. Outcomes

- a. Increased availability of high-quality seedstock;
- b. Improved productivity and resilience of seaweed farming systems;
- c. Strengthened local processing capacity and value-chain competitiveness;
- d. Enhanced income and livelihood for coastal communities;
- e. Sustainable development of seaweed aquaculture from upstream to downstream.

11. National Priorities in RPJMN 2025-2029

- a. Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy;
- b. Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives;
- c. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value;
- d. Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 150,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 150,000,000	Subtotal : US\$ 0
TOTAL : US\$ 150,000,000	

1. Project Title	: Strengthening Food Security and Green Economic Development in Indonesia's Villages
2. Program Title	: Food Self-Sufficiency
3. Executing Agency	: Ministry of Villages and Development of Disadvantaged Regions
4. Implementing Agency	: 1. Ministry of Village and Development of Disadvantaged Regions 2. Ministry of Home Affairs 3. Ministry of Finance
5. Duration	: Maximum 66 months (2027-2032)
6. Location	: National – the project will target 15,000 villages, with location selection based on the following criteria: high vulnerability to food insecurity and climate change; a large population living in poverty; strong local economic potential; low development progress; and weak fiscal capacity with limited self-sufficiency. In addition to these criteria, the project will also include all Villages located in Priority Rural Areas (Kawasan Perdesaan Prioritas/KPP) within 30 designated districts/cities, in alignment with the 2025–2029 National Medium-Term Development Plan (RPJMN)

7. Objectives

To strengthen community resilience on food, climate change, and to develop sustainable green economy through climate resilience infrastructure investment, modern equipment provision, strengthening village economic institutions, women and youth capacity building, and multi-stakeholder collaboration

8. Scope of Works

- a. Component 1: Climate Resilient and Productive Investment for Food Resilience and Local Economy
- b. Component 2: Strengthening village economic institutions and community resilience for food security and local village economy.
- c. Component 3: Project management, technical support, monitoring and learning, and disaster preparedness.
- d. Component 4: Contingent emergency response

9. Outputs

Component 1. Climate Resilient and Productive Investment for Food Resilience and Local Economy

Infrastructure for food security, climate resilience, and green economy are established and integrated based on participative planning at village level

Component 2: Strengthening Village Economic Institutions and Community Resilience for Food Security and Local Village Economy

- a. Goods and equipment to support food security, climate resilience, and green economy are provided based on local needs and economic potential
- b. Enhance village economic institutions and community capacity for food security and local village economic development
- c. Improve market access of village economic enterprises, women, and youth by strengthening stakeholder's coordination

Component 3. Project Management, Technical support, monitoring and learning, and disaster preparedness

A Project coordination, timely reporting, policy recommendation, and knowledge dissemination to support evidence-based and accountable project implementation.

Component 4. Contingent emergency response

Project funds are used to meet emergency needs in the event of natural disasters or crises (including public health emergencies)

10. Outcomes

- a. Improved infrastructure and facilities for food security, green economy, and climate adaptation
- b. Strengthened synergy in planning and investment monitoring across central, regional, and village levels of government
- c. Increased green economic activities
- d. Increased private sector participation in villages
- e. Strengthened village adaptation capacity to climate change
- f. Expanded market access for green economy products (including free nutritious meals program)

11. National Priorities in RPJMN 2025-2029

Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 800,000,000 - Grant : US\$ 30,000,000 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 830,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 830,000,000	

-
1. **Project Title** : **Indonesia Food Systems and Infrastructure for Village in Disadvantaged Area**
 2. **Program Title** : Food Self-Sufficiency
 3. **Executing Agency** : Ministry of Villages and Development of Disadvantaged Regions
 4. **Implementing Agency** : Ministry of Villages and Development of Disadvantaged Regions
 5. **Duration** : 60 months
 6. **Location** : 15 regencies in disadvantaged areas:
 1. North Nias Regency – North Sumatra
 2. Central Sumba Regency – East Nusa Tenggara
 3. Southwest Sumba Regency – East Nusa Tenggara
 4. Sabu Raijua Regency – East Nusa Tenggara
 5. Teluk Bintuni Regency – West Papua
 6. South Manokwari Regency – West Papua
 7. Teluk Wondama Regency – West Papua
 8. Supiori Regency – Papua
 9. Waropen Regency – Papua
 10. Memberano Raya Regency – Papua
 11. Boven Digoel Regency – South Papua
 12. Asmat Regency – South Papua
 13. Mappi Regency – South Papua
 14. Maybrat Regency – Southwest Papua
 15. Jayawijaya Regency – Papua Mountains
-

7. Objectives

The project aims to establish a reliable and sustainable food system through an inclusive community-driven development (CDD) approach that contributes to improving the development status of disadvantaged and highly disadvantaged regions, enabling their transition toward developing and advanced regional status.

8. Scope of Works

Component 1: Improving the Level of Basic Services

- 1.1 Social and Behavioural Change Communication (SBCC) for Nutrition and Health Education
- 1.2 Nutrition Cadre Training and Child Growth Monitoring System
- 1.3 Clean Water Infrastructure
- 1.4 Basic Sanitation Facilities and Consumer Waste Management

Component 2: Strengthening Sustainable and Climate-Resilient Local Food Value Chains

- 2.1 Climate- Smart Food Production Enhancement
- 2.2 Food Processing and Value Addition Development
- 2.3 Distribution and Marketing Strengthening
- 2.4 Production and Processing Waste Management
- 2.5 Smart Warehouse Pilot Project

Component 3: Strengthening Policies and Institutions

- 3.1 Project Management, Monitoring, Evaluation and Coordination
- 3.2 Food Systems Policy Dialogue Forum and Local Food System Policy Development
- 3.3 Capacity Building for National, Regency, and Village Government Officials
- 3.4 Development of the IFSIV Knowledge Management System and Knowledge Sharing
- 3.5 Development of Centre of Excellence (CoE) for Sustainable Local Food Systems
- 3.6 AI DNA Desa Pilot Project (will be implemented in 2 regencies)

9. Outputs

- a. **Component 1:** Establishment of functional and sustainable basic service systems at the village level, encompassing: a. Village-level SBCC strategies and trained facilitators for nutrition and health education; b. Clean water facilities and communal sanitation facilities, including household latrines for poor households; c. Trained nutrition cadres and strengthened Posyandu services; and d. Communal composting facilities and standardized waste collection points at cluster scale.
- b. **Component 2:** Strengthening of local food value chains through increased production, processing, and marketing capacity, including: a. Demonstration plots, trained farmers/fishers, and village level farming champions; b. Shared processing facilities at cluster scale and trained food processors applying hygienic and profitable processing techniques; c. Village markets and smart warehouses at cluster scale as aggregation and distribution centers, along with strengthened Village Economic Institutions as marketing instruments; d. Fair and transparent purchase contracts; e. Pilot smart warehouse units that meet international food safety standards.
- c. **Component 3:** Realization of policy frameworks, institutional capacity, and knowledge ecosystems supporting program sustainability, including: a. development and enactment of local food system policies and regulations; b. Trained and certified government officials in local food system policy planning, implementation, and monitoring; c. Fully operational digital knowledge management platform; d. Main and satellite Centre of Excellence (CoE) functioning as centers for learning, innovation, and technical standardization of sustainable local food systems; e. Operational AI DNA Desa system; and f. Monitoring and evaluation reports on program performance and impact.

10. Outcomes

- a. In the long term, the program will contribute to the realization of a reliable and sustainable local food system that supports the transition of disadvantaged and highly disadvantaged regions toward developing and advanced status, as reflected in: (i) an improved Human Development Index (IPM); (ii) a reduced Percentage of Poor Population (PPM); and (iii) an increased Village Development Index.
- b. In the medium term, the program will result in: (i) improved nutrition and health status of communities; (ii) increased income and welfare of farmers and fishers; (iii) improved efficiency and value addition in the food supply chain; and (iv) strengthened governance and institutional capacity.

11. National Priorities in RPJMN 2025-2029

Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	60,000,000	- Central Government	: US\$	0
- Grant	: US\$	17,500,000	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	77,500,000	Subtotal	: US\$	0
TOTAL	: US\$	77,500,000			

Water Self-Sufficiency

1. Project Title	: Development of Water Supply - Green Infrastructure Initiative (GII)
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Directorate General of Human Settlements, Ministry of Public Works
4. Implementing Agency	: Directorate of Water Supply, Directorate General of Human Settlements, Ministry of Public Works
5. Duration	: 36 months
6. Location	: Gunungkidul Regency, Mojokerto Regency, Lamongan Regency, Gresik Regency, Malang Regency, Blora Regency, Wonogiri Regency, Klaten Regency, Surakarta City, Magelang City.

7. Objectives

The Green Infrastructure Initiative (GII) is a national program to strengthen Indonesia's water resilience, address climate change, and promote sustainable urban infrastructure. Aligned with Asta Cita 2 of the 2025–2029 RPJMN, it supports water self-sufficiency and a green economy. The World Bank (2024) notes that rising temperatures and changing rainfall patterns will strain water resources, while BPS data show that Java's population density exceeds 1,196 people per km², driving higher water demand. Through GII, the government aims to expand safe and sustainable access to drinking water.

8. Scope of Works

- a. Development of New Water Supply Systems in Gunungkidul Regency with a capacity of 50 L/s and in Malang Regency (Sumber Diyeng) with a capacity of 240 L/s;
- b. Expansion of the distribution network for the Mojolages Regional Water Supply System in East Java Province, and development of a reservoir and distribution network for the Wosusokas Regional Water Supply System in Wonogiri Regency;
- c. Improvement of the Blora Regency Water Supply System by increasing capacity by 100 L/s, and expansion of the Kanoman I Spring Water Supply System in Magelang City with a capacity of 150 L/s;
- d. Optimization and rehabilitation of the transmission and distribution pipelines from Geneng and Lanang Springs to the BNA Klaten service area, and optimization of the Cokro Tulung Spring Water Supply System in Surakarta City;
- e. Strengthening Local Government and Water Supply Operator Capacity through Training and Technical Support.

9. Outputs

- a. Improved Access to Piped Drinking Water through the construction of a 150 L/s WTP and a 240 L/s spring intake, expanding service coverage by 15,720 household connections with a potential of up to 78,400, and enhancing water service quality in 10 cities/regencies;
- b. Improved Operational Performance of Local Water Utilities by reducing Non-Revenue Water (NRW) through pipeline replacement and DMA implementation;
- c. Enhanced Human Resource Capacity through technical and managerial training programs for local governments and water supply operators in SPAM management.

10. Outcomes

- a. Strengthening Water Resilience and Climate Adaptation by reducing the risk of water crises in the 10 target cities/regencies and providing access to piped drinking water for 62,880 people within the project scope, with a potential reach of up to 313,600 people;
- b. Improving Public Health and Quality of Life by enhancing community well-being through the provision of safe drinking water and the reduction of waterborne diseases;
- c. Improving Governance and Local Capacity by strengthening the role of local governments and water supply operators in managing and delivering sustainable water supply services.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	85,500,000	- Central Government	: US\$	0
			- Regional Government	: US\$	0
- Grant	: US\$	0	- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	85,500,000	Subtotal	: US\$	0
TOTAL		: US\$ 85,500,000			

1. Project Title	: Regional Water Supply Project (RWSP)
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Directorate General of Human Settlements, Ministry of Public Works
4. Implementing Agency	: a. Directorate of Groundwater and Bulk Water, Directorate General of Water Resources, Ministry of Public Works; b. Directorate of Water Supply, Directorate General of Human Settlements, Ministry of Public Works.
5. Duration	: Phase 1: 60 months (2027-2031) Phase 2: 72 months (2028-2033)
6. Location	: North Sumatra Province, Banten Province, East Kalimantan Province, North Sulawesi Province, Gorontalo Province, West Sulawesi Province, South Sulawesi Province, West Sumatra Province

7. Objectives

The Regional Water Supply Project (RWSP) aims to improve equitable access to safe drinking water by addressing disparities in raw water availability through the development of an integrated and efficient regional water supply system. The project responds to challenges such as uneven water resources caused by geographical and climatic differences, as well as limited regional budgets for infrastructure development, by promoting shared investment and operational efficiencies through inter-regional collaboration. It also seeks to strengthen institutional capacity and coordination among local governments, encouraging the establishment of sustainable entities such as BUMD or UPTD BLUD, while ensuring resilience to climate change and natural disasters. Aligned with national policies, RWSP supports Indonesia's goal of universal access to safe drinking water by serving as a model for effective, efficient, and sustainable water management.

8. Scope of Works

Scope of Water Resources (SDA):

- a. Rehabilitation and upgrading of weirs;
- b. Construction of intakes with a total capacity of 1,525 l/s, including mechanical and electrical works;
- c. Construction of a raw water collection basin with a capacity of 4,375 m³;
- d. Construction of raw water pipeline transmission lines with a total length of 45,151 m.

Scope of Human Settlements (CK):

- a. Construction of 8 Regional Water Supply Systems with a total capacity of 3,200 liters/second;
- b. Construction of Main Distribution Networks (JDU) with a total length of 225,258 m;
- c. Construction of Secondary Distribution Networks (JDB) and Service Distribution Networks (JDL) to convey water from main distribution points to end users;
- d. Construction of reservoirs with a total capacity of 56,035 m³;
- e. Availability of 51,200 house connections (SR) with a maximum potential of 256,000 SR;
- f. Provision of training and technical support to LGs and SPAM operators (bulk water and offtakers).

9. Outputs

Scope of Water Resources (SDA):

- a. Weirs that function optimally according to design capacity;
- b. Intakes with a total capacity of 1,525 liters/second and optimally functioning mechanical and electrical systems;
- c. Raw water collection basin with a capacity of 4,375 m³;
- d. Raw water pipeline transmission lines with a total length of 45,151 m

Scope of Human Settlements (CK):

- a. 8 Regional Water Supply Systems with a total capacity of 3,200 liters/second;
- b. Drinking water pipeline transmission lines and Main Distribution Networks (JDU) with a total length of 225,258 m;
- c. Secondary Distribution Networks (JDB) and Service Distribution Networks (JDL);
- d. Reservoirs with a total capacity of 56,035 m³;
- e. 51,200 house connections (SR) with a maximum potential of 256,000 SR;
- f. Training and technical support to LGs and SPAM operators (bulk water and offtakers).

10. Outcomes

- a. The availability of reliable and optimally functioning raw water supply infrastructure, through rehabilitation and construction of weirs, intakes, collecting basins, and raw water pipeline transmission networks, to ensure continuity, quantity, and quality of raw water supply to support Regional Water Supply System services;
- b. The implementation of efficient and sustainable Regional Water Supply System services, through the construction of Water Treatment Plants, drinking water transmission and distribution, and house connections, supported by strengthening the institutional capacity of SPAM managers to increase the coverage of piped drinking water access to 204,800 people with a maximum potential of 1,024,000 people in 20 targeted Districts/Cities.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 372,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 372,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 372,000,000	

1. Project Title	: Pelosika Multipurpose Dam Construction Project (Package 1)
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 60 months
6. Location	: Konawe Regency, Southeast Sulawesi Province

7. Objectives

The construction of the Pelosika Multipurpose Dam, with a total storage capacity of 1.117 billion m³, is part of the effort to develop water resources in Konawe Regency, Southeast Sulawesi Province. It aims to meet various public needs, including irrigation, flood control, raw water supply, power generation, and tourism development in the region.

8. Scope of Works

The scope of work for the Pelosika Multipurpose Dam Construction Project (Package 1) includes:

- a. Preparatory Works;
- b. Dam Body Construction Works;
- c. Tunnel Works;
- d. Access Road and Bridge Works;
- e. Miscellaneous Works;
- f. Temporary Construction Facilities Works;
- g. Additional Geological Survey and Investigation Works.

9. Outputs

The output of work includes:

- a. Dam Body Structure;
- b. Tunnel Structure;
- c. Access Roads and Bridges;
- d. Temporary Construction Facilities.

10. Outcomes

The formation of a water reservoir with a volume of 1.117 billion m³ supports the Asta Cita goals for food, energy, and water self-sufficiency as follows:

- a. Supporting increased agricultural production by irrigating 20,458 hectares in the Wawotobi Irrigation Area;
- b. Hydropower generation potential of 40 MW and solar power generation potential of 54.16 MW;
- c. Raw water supply potential of 0.75 m³/second, serving 14 sub-districts (1. Abuki, 2. Amonggedo, 3. Anggaber, 4. Asklua, 5. Konawe, 6. Lambuya, 7. Meluhu, 8. Pondidaha, Tongauna, 10. Uepai, 11. Unaaha, 12. Wawotobi, 13. Wonggeduku, 14. Wonggeduku Barat);
- d. Flood reduction of 2,552.59 m³/second (67%) in the Lasolo-Konawe River Basin, covering 13,029 hectares across 10 sub-districts (1. Asinua, 2. Abuki, 3. Lambuya, 4. Uepai, 5. Unaaha, 6. Konawe, 7. Anggaber, 8. Wawotobi, 9. Wonggeduku, 10. Pondidaha).

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	311,000,000	- Central Government : US\$	62,000,000
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	311,000,000	Subtotal : US\$	62,000,000
TOTAL : US\$	373,000,000		

1. Project Title	: Pelosika Multipurpose Dam Construction Project (Package 2)
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 60 months
6. Location	: Konawe Regency, Southeast Sulawesi Province

7. Objectives

The construction of the Pelosika Multipurpose Dam, with a total storage capacity of 1.117 billion m³, is part of the effort to develop water resources in Konawe Regency, Southeast Sulawesi Province. It aims to meet various public needs, including irrigation, flood control, raw water supply, power generation, and tourism development in the region.

8. Scope of Works

The scope of work for the Pelosika Multipurpose Dam Construction Project (Package 2) includes:

- a. Preparation works;
- b. Spillway;
- c. Power plant works;
- d. Access road and bridges works;
- e. Facility building works;
- f. Power supply works;
- g. Mechanical and electrical works;
- h. Steel Structure;
- i. Additional Geological Survey and Investigation Works.

9. Outputs

The output of work includes:

- a. Spillway structure;
- b. Power plant Structure;
- c. Access roads and bridges;
- d. Facility building;
- e. Power supply;
- f. Mechanical and Electrical.

10. Outcomes

The formation of a water reservoir with a volume of 1.117 billion m³ supports the Asta Cita goals for food, energy, and water self-sufficiency as follows:

- a. Supporting increased agricultural production by irrigating 20,458 hectares in the Wawotobi Irrigation Area;
- b. Hydropower generation potential of 40 MW and solar power generation potential of 54.16 MW;

- c. Raw water supply potential of 0.75 m3/second, serving 14 sub-districts (1. Abuki, 2. Amonggedo, 3. Anggaber, 4. Asinua, 5. Konawe, 6. Lambuya, 7. Meluhu, 8. Pondidaha, 9. Tongauna, 10. Uepai, 11. Unaaha, 12. Wawotobi, 13. Wonggeduku, 14. Wonggeduku Barat);
- d. Flood reduction of 2,552.59 m3/second (67%) in the Lasolo–Konawe River Basin, covering 13,029 hectares across 10 sub-districts (1. Asinua, 2. Abuki, 3. Lambuya, 4. Uepai, 5. Unaaha, 6. Konawe, 7. Anggaber, 8. Wawotobi, 9. Wonggeduku, 10. Pondidaha).

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 190,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 36,000,000 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 190,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 226,000,000	

1. Project Title	: Riam Kiwa Multipurpose Dam Construction Project
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 48 months
6. Location	: Banjar Regency, South Kalimantan Province

7. Objectives

The construction of Riam Kiwa multipurpose Dam, with a total storage capacity of 90.51 million m³, is part of the effort to develop water resources in Banjar Regency, South Kalimantan Province. It aims to meet various public needs, including irrigation, flood control, raw water supply, power generation, and tourism development in the region.

8. Scope of Works

The scope of work includes:

- a. Preparation Works;
- b. Access Road and Resettlement Road Works;
- c. River Diversion Works;
- d. Dam and Instrumentation;
- e. Spillway;
- f. Outlet Works;
- g. Saddle Dam;
- h. Hydromechanical Works;
- i. Electrical Works;
- j. Building;
- k. Soil and Water Conservation;
- l. Occupational Health and Safety Management System.

9. Outputs

The output of work includes:

- a. Access Road and Relocation Road;
- b. River Diversion Building;
- c. Main Dam and Instrumentation Building;
- d. Spillway Building;
- e. Outlet Structure;
- f. Saddle Dam Building;
- g. Hydromechanical Works;
- h. Electrical Works;
- i. Facility Building.

10. Outcomes

The formation of a water reservoir with a volume of 90,51 million m³ supports the Asta Cita goals for food, energy, and water self-sufficiency as follows:

- a. Supporting increased agricultural production by irrigating an area of 16,793 hectares;
- b. Hydropower Generation Potential of 6 MW and Solar Power Potential of 130.81 MW;
- c. Raw Water Supply Potential of 1.5 m³/second;
- d. Flood Control Capacity of 225.8 m³/second (75%) or a residential area of 2,736 hectares.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 98,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 20,000,000 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 98,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 118,000,000	

1. Project Title	: Water Security for Small Islands Development (WaSSID)
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate of Groundwater and Bulk Water, Directorate General of Water Resources, BWS Sumatera I, BWS Sumatera IV, BWS Kalimantan IV, BWS Maluku Utara, BWS Maluku, BBWS Sumatera II, BWS Sumatera VI, BBWS Pemali Juana, BWS Brantas, BWS Bali Penida, BWS Sulawesi I, BBWS Nusa Tenggara I, BBWS Nusa Tenggara II, BWS Papua Barat, and BWS Kalimantan V
5. Duration	: 60 months
6. Location	: Weh Island, Nias Island North, Mentawai Islands, Subi Island, Karimunjawa Islands, Madura Island, Maratua Island, Morotai Island, Selaru Island, Nusa Penida-Ceningan-Lembongan, Moa Island, Pulau Miangas, Gili Island, Kepulauan Raja Ampat, Sebatik Island, Alor Island, Banda Neira Island

7. Objectives

Indonesia's small islands face major development gaps, largely due to severe water insecurity and limited transport access. Their small land area restricts river catchments and groundwater storage, while underinvestment in water infrastructure prevents effective use of available sources, forcing some islands to rely on expensive and unreliable water shipments. Climate risks—including stronger storms, coastal erosion, and rising sea levels—further threaten livelihoods, infrastructure, and even territorial security, especially on outer border islands with minimal protective infrastructure. The proposed Project aims to improve water security and climate resilience by increasing water availability, strengthening disaster preparedness, and enhancing water-use efficiency through a flexible, island-specific approach.

8. Scope of Works

a. Component 1: Adaptive Water Resources Management

This component improves water storage, availability, and access by revitalizing ponds, wells, ABSAH rainwater systems, sustainable groundwater pumps, and water distribution networks. Investments will be tailored to each island's socioeconomic conditions and aligned with cross-sector infrastructure plans. The component also enhances water-use efficiency, explores alternative sources such as desalination, and supports community initiatives to strengthen local water management;

b. Component 2: Water Disaster Resilience

This component strengthens island resilience to floods, storm surges, landslides, and erosion through physical, digital, and nature-based solutions. It includes upgrading embankments, drainage systems, and pumps, restoring ecosystems to increase natural water retention, and supporting community preparedness and local mitigation efforts;

c. Component 3: Water Security Information System for Small Islands

This component strengthens water-resource planning and monitoring by mapping water potential, updating water balances, developing island water management plans, and deploying digital tools such as sensors, automated monitoring, and modeling. These feed into

a Water Information System for Small Islands, supported by capacity building for planners and authorities;

d. Component 4: Project Management

This component covers project implementation, including technical assistance, monitoring and evaluation, inter-agency coordination, and site supervision.

9. Outputs

- a. Increased water availability or storage capacity (cubic meter per second or cubic meter per capita);
- b. Number of new/rehabilitated water storage infrastructures;
- c. Improved drainage networks (meter length);
- d. Strengthened river and coastal embankments (meter length);
- e. Number of new/rehabilitated/modernized hydro-meteorological stations;
- f. Number of new or updated small islands water resources or river basin management plan.

10. Outcomes

- a. Increased water productivity to support the development of small islands;
- b. Improved adaptive capacity of small islands against water hazards;
- c. Maintained coastlines of small islands and national maritime borders.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 150,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 150,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 150,000,000	

1. Project Title	: Karian Dam - Serpong Water Conveyance System Stage II
2. Program Title	: Water Self-Sufficiency
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: a. Directorate of Groundwater and Bulk Water, Directorate General of Water Resources b. Cidanau - Ciujung - Cidurian - River Basing Organization, Directorate General of Water Resources
5. Duration	: 60 months
6. Location	: a. Lebak Regency, Tangerang Regency, Tangerang City, South Tangerang City (Banten Province) b. West Jakarta (Jakarta Province) c. Bogor Regency (West Java Province)

7. Objectives

Water demand in Banten Province and several areas in Jakarta continues to rise rapidly in line with population and economic growth. Insufficient raw water supply has led to uncontrolled groundwater extraction, causing subsidence and seawater intrusion that further degrade water availability and quality. To address these challenges, the Karian Dam (314.70 million m³) was developed to supply raw water to Banten, West Java, and DKI Jakarta.

The Karian Dam–Serpong Water Conveyance System (KSCS) Project was initiated to distribute raw water from the dam and reduce groundwater dependency. The system is planned in two phases: Phase I to deliver 6.55 m³/s and Phase II to deliver 5.85 m³/s. Phase I is currently under implementation through EDPF Loan funding, including the main transmission pipeline to Villa Mutiara and planned service to WTP Rangkas, Maja, Solear, and Parung Panjang.

During implementation, route adjustments increased the pipeline length to 59.6 km, while available funding only covers up to STA 42+757, leaving a 17.1 km gap and incomplete branch systems. The Stage II Project will therefore focus on completing the remaining 17.1 km pipeline, constructing the three branch raw water systems, and preparing Phase II (FS, DED, LARP, EIA) to support the full 5.85 m³/s raw water conveyance capacity.

8. Scope of Works

- Construction KSCS Package 4: Construction of 17.1 km main pipeline (Ø1,800 mm) to complete Packages 1–3 from Karian Dam to Villa Mutiara;
- Branch Pipelines: Construction of Maja (1.35 km), Solear (4.68 km), and Parung Panjang (4.42 km) pipelines to meet unmet Phase 1 demand;
- Phase 2 Studies & Design: FS, DED, LARP, and EIA for 104 km pipelines (Ø800–1,800 mm) to ensure technical, economic, environmental, and social feasibility.

9. Outputs

- Main pipe to WTP Villa Mutiara approximately 17.1 km;
- Branch pipe to WTP Villa Muaja approximately 1.350 km;
- Branch pipe to WTP Villa Solear approximately 4.675 km;
- Branch pipe to WTP Villa Parung Panjang approximately 4.416 km;
- Preparation of FS, DED KSCS Phase II Documents.

10. Outcomes

- a. Increasing water supply in South Tangerang City, Tangerang City and DKI Jakarta by 6,55 m³/s;
- b. Improving the quality of the environment, sanitation and living standards of the people in Banten Province and DKI Jakarta.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 120,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 120,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 120,000,000	

-
1. **Project Title** : **Raw Water Supply for Regional Drinking Water System Development Project**
 2. **Program Title** : Water Self-Sufficiency
 3. **Executing Agency** : Ministry of Public Works
 4. **Implementing Agency** : a. Directorate General of Water Resources:
Directorate Groundwater and Bulk Water, Balai Air Tanah, BBWS Sumatera II, BBWS Cimanuk – Cisanggarung, BBWS Serayu Opak, BBWS Pemali Juana; and BWS Bali Penida
b. Directorate General of Cipta Karya:
Directorate of Drinking Water
 5. **Duration** : 60 months
 6. **Location** : a. SPAB Construction: 1) Deli Serdang Regency, North Sumatera Province; 2) South Jakarta City, Jakarta Province; 3) Sumedang Regency, West Java Province; 4) Grobogan Regency, Central Java Province; 5) Semarang Regency, Central Java Province; 6) Purworejo Regency, Central Java Province; 7) Klungkung Regency, Bali Province; 8) Badung Regency, Bali Province.
b. Masterplan Document Preparation: Sumatera Island, Kalimantan Island, Sulawesi Island, Maluku Island, and Papua Island.
c. Integrated Water Supply Management Study in East Nusa Tenggara: East Nusa Tenggara Province.
-

7. Objectives

Providing wider access to clean, potable water for the public, especially in areas with limited or inadequate access. Building better water infrastructure in previously underserved areas to ensure more equitable water distribution and reduce regional disparities.

8. Scope of Works

- a. PIU for the Directorate of Groundwater and Raw Water:
 - Construction of Raw Water Supply Systems following the ESP study, covering intakes, transmission pipelines, and supporting structures at 7 locations;
 - Construction of a Groundwater and Bulk Water Command Center for centralized monitoring, data collection, server and equipment procurement, and training;
 - Raw Water Supply Masterplan for 5 main islands—Sumatra, Kalimantan, Sulawesi, Maluku, and Papua—covering water demand analysis, existing system inventory, groundwater revitalization, potential RWS identification, a sustainable RWS plan to reduce the 2045 raw water gap, and an RWS investment plan.
- b. PIU for the Directorate of Drinking Water: preparation of SPAM Readiness Criteria Documents for 7 locations and construction of SPAM in 2 locations.

9. Outputs

- a. Construction of Raw Water Supply Systems from the ADB ESP study, including raw water conveyance pipelines to WTPs from: Lausimeme Dam (± 19.136 km), Jatigede Dam Phase II (± 1.340 km), Bener Dam (± 62.424 km), Dadi Muria System (± 1.300 km), Jragung Dam (± 3.600 km), Tukad Unda Embung (± 0.360 km), and Sidan Dam (± 7.000 km);
- b. Masterplan of Raw Water Supply in 5 Main Islands in Indonesia, with outputs including: Existing Raw Water Supply Systems Inventory, Potential Raw Water Supply Systems, RWS Investment Plan, and Advancing readiness of priority RWS investments;
- c. Development of Groundwater and Bulk Water Data Monitoring System Center;
- d. 1 Document Integrated Water Supply Management Study in East Nusa Tenggara.

10. Outcomes

- a. Acceleration of Water Development: Lau Simeme Dam (3,000 lps) providing services to 648,000 SRs (2.59M people); Jatigede Stage II Dam (1,500 lps) to 324,000 SRs (1.30M people); Bener Dam (1,500 lps) to 324,000 SRs (1.30M people); Dadi Muria Dam (500 lps) to 108,000 SRs (432K people); Jragung Dam (1,000 lps) to 216,000 SRs (864K people); Tukad Unda Embung (1,000 lps) to 216,000 SRs (864K people); and Sidan Dam (1,750 lps) to 378,000 SRs (1.51M people);
- b. Preparation of the Masterplan, with outcomes including: Efficient and sustainable water management, Reducing the impact of climate change on water, Implementation of better water management policies, Improved quality and quantity of available water;
- c. Bulk Water Command Center (BWCC), with outcomes including: Rapid response to water crisis, Efficiency of water distribution management, Use accurate data for decision-making;
- d. 1 Document Integrated Water Supply Management Study in East Nusa Tenggara.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, and Water, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none">● Foreign Funding		<ul style="list-style-type: none">● Counterpart Funding	
- Loan : US\$	250,000,000	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
<hr/>		<hr/>	
Subtotal : US\$	250,000,000	Subtotal : US\$	0
TOTAL : US\$	250,000,000		

Supporting Infrastructure for Industrial Downstreaming

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- | | |
|-------------------------------|---|
| 1. Project Title | : The Development Technovation Center of Excellence for Strengthening National Semiconductor Industry Ecosystem to Support AI-based Indonesia Digital Economy in Politeknik Negeri Batam |
| 2. Program Title | : Supporting Infrastructure for Industrial Downstreaming |
| 3. Executing Agency | : Ministry of Higher Education, Science, and Technology |
| 4. Implementing Agency | : Politeknik Negeri Batam |
| 5. Duration | : 60 months |
| 6. Location | : Batam, Riau Island Province, Indonesia |
-

7. Objectives

To establish of a National Technovation Center of Excellence as a strategic hub integrating education, applied research and development, innovation, and talent development that strengthen the semiconductor industry ecosystem and fosters the utilization of Artificial Intelligence (AI) including to serve as a backbone for renaring highly skilled vocational preparing highly skilled vocational talents to the national semiconductor value chain and the AI-driven digital economy in Indonesia.

8. Scope of Works

- a. Infrastructure Development, construction of a state-of-the-art, smart, green and inclusive Technovation Center of Excellence building, automation and robotics workshop, workshop, and an AI Data Center;
- b. Facilities and Equipment Procurement, provide advanced teaching factory facilities and laboratories that represent the semiconductor industry value chain and application of AI that represent the semiconductor industry value chain and application of AI;
- c. Human Capital Development, capacity building for lecturers, laboratory staff, and technical personnel through industry internships, training, and international certifications in semiconductors and AI;
- d. Program Development, such as: establish new study programs, curriculum enhancement, digital learning development, student training/certification, applied research commercialization, of business incubation services and strategic partnerships expansion and governance business development;
- e. Project Management, professional management to ensure that the project is delivered with the highest quality, on schedule, and within budget.

9. Outputs

- a. National Technovation Center of Excellence Infrastructure in Semiconductors and AI: (1)
 - Developed the Technovation Center of Excellence at Politeknik Negeri Batam, envisioned as the national hub for semiconductors and artificial intelligence (AI) with smart, sustainable, inclusive;
 - Provided the state-of-the-art facilities representing the entire value chain of the semiconductor industry, covering IC Design, Wafer Fabrication, IC Packaging, and Testing and AI Data Center;

- Provided of internationally accredited laboratories for education and research in semiconductors and AI, ensuring quality and global recognition.
- b. Strengthened national vocational talents in semiconductors and AI
 - Industrial internships and certification for educators and professionals;
 - New study programs and industry-aligned curricula in semiconductors and AI;
 - Digital modules and certified laboratories aligned with global standards;
 - Industry-based certification for students and national talent branding for Polibatam.
 - c. Technology Innovation Ecosystem and Research Commercialization in Semiconductors and AI
 - Established the quadruple helix partnerships (academia, industry, government, and community);
 - Joint research, innovation projects, international collaboration;
 - Establishment of start-ups and business incubators for technology commercialization;
 - Institutional governance for sustainable innovation and entrepreneurship.

10. Outcomes

- a. Enhanced Global Competitiveness;
- b. Sustainable Academia-Industry Synergy: Collaboration for research and technology transfer;
- c. Integrated Project-Based Learning Cross-disciplinary for producing industry-ready graduates;
- d. Increased Skilled and Certified Vocational Talent in semiconductor and AI sectors;
- e. Resilient Innovation Ecosystem for advancing national technology independence;
- f. Innovation Growth: More patents, prototypes, and commercialized products;
- g. International Branding: recognized as Indonesia's leading CoE in semiconductors and AI;
- h. Institutional Sustainability: Revenue generation via services, consulting, & industrial partnerships.

11. National Priorities in RPJMN 2025-2029

- a. Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities;
- b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 60,012,500	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others (RMP/PBNP) : US\$ 412,500
Subtotal : US\$ 60,012,500	Subtotal : US\$ 412,500
TOTAL : US\$ 60,425,000	

1. Project Title	: Developing a National Semiconductor Ecosystem through Industry-Aligned Chip Design with a Focus on Global Market Competitiveness
2. Program Title	: Supporting Infrastructure for Industrial Downstreaming
3. Executing Agency	: Directorate General ILMATE, Ministry of Industry
4. Implementing Agency	: Ministry of Industry, Indonesia Chip Design Collaborative Center (ICDEC)
5. Duration	: 36 months
6. Location	: ICDEC Design Center, Gedung ITB Innovation Park Bandung Technopolis, Lantai 7 Kawasan Summarecon Bandung, Jl. Bulevar Raya No.3, Cisaranten Kidul, Gedebage, Bandung, Jawa Barat 40295

7. Objectives

- a. Reducing the cost of access to chip design and fabrication technology;
- b. Enhancing the capacity of local human resources through training and workshops;
- c. Coordinating IC research across universities, institutions, and industry;
- d. Creating a pathway to accelerate the commercialization of local chip products.

8. Scope of Works

- a. Talent development: IC design training, workshops, sharing sessions;
- b. Collaborative research: MPW (Multi Project Wafer), tool license distribution, chip testing, design consultation;
- c. Ecosystem Development: training and workshops, startup incubation, design services, and investment gateway;
- d. Community building: design forums, international networking (IMEC, RISC-V Foundation, TSRI, Taiwan).

9. Outputs

- a. Human resource training: 100 participants per year;
- b. MPW services: 3 MPW runs per year;
- c. Free CAD tools for university members or chip design startup
- d. Design service: IP library from various university research efforts resulting in 1 commercial product.

10. Outcomes

- a. Increase in research and IP in the field of chip design;
- b. Talent with relevant skills;
- c. Technological self-reliance;
- d. Increased investment interest in the semiconductor sector.

11. National Priorities in RPJMN 2025-2029

- a. Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities;

b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 16,185,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (RMP/PBNP) : US\$ 0
Subtotal : US\$ 16,185,000	Subtotal : US\$ 0
TOTAL : US\$ 16,185,000	

1. Project Title	: Strengthening the Ecosystem of the Indonesia Manufacturing Center (IMC) through the Provision of Services and Fulfillment of Infrastructure Facilities for Machinery and Equipment
2. Program Title	: Supporting Infrastructure for Industrial Downstreaming
3. Executing Agency	: Directorate General ILMATE, Ministry of Industry
4. Implementing Agency	: Ministry of Industry
5. Duration	: 48 months
6. Location	: Jl. Raya Wr. Jeruk, Citeko, Kec. Plered, Kabupaten Purwakarta, Jawa Barat 41165

7. Objectives

- a. To establish a one-stop manufacturing solution center to support industries in enhancing their competitiveness (in terms of Quality, Cost, and Delivery) through the following initiatives:
 - Facilitating the transformation of engineering product innovations into new commercial products;
 - Providing consulting services for manufacturing solutions;
 - Supporting capacity-building and skills development of human resources in the manufacturing sector.
- b. To develop a robust ecosystem for the manufacturing industry and circular economy;
- c. To promote the downstreaming of high-value innovation products;
- d. To improve the economic and social welfare of surrounding communities;
- e. To foster penta-helix synergy for advancing manufacturing technology masters;
- f. To stimulate the emergence of new industries and start-ups, along with their value chains;
- g. To enhance the quality of human resources in the manufacturing industry and create employment opportunities;
- h. To increase tax revenue contributions.

8. Scope of Works

- a. Facilitation of machinery/equipment for the IMC engineering workshop;
- b. Facilitation of rapid prototyping for manufacturing industry products;
- c. Facilitation of supporting infrastructure for IMC operations;
- d. Development of manufacturing talents;
- e. Product development;
- f. Development of manufacturing technology.

9. Outputs

- a. The availability of engineering workshop machinery and equipment facilities at the Indonesia Manufacturing Center (IMC) by December 2026;
- b. The provision of rapid prototyping facilities by December 2026;
- c. The establishment of supporting infrastructure to facilitate IMC operations by December 2026;
- d. The execution of technical training programs for manufacturing product development, targeting 100 personnel annually;
- e. The delivery of two new product designs annually, developed through collaboration between IMC, industry partners, and academic institutions, commencing in 2027.

10. Outcomes

- a. Industries, ranging from large-scale enterprises to small and medium-sized industries (SMIs), are capable of independently producing high value-added components or products;
- b. An increasing number of innovative products are produced on a mass scale and successfully marketed;
- c. The availability of a skilled manufacturing workforce that meets industry demands through effective link-and-match programs;
- d. The establishment of the Indonesia Manufacturing Center (IMC) as a hub for triple helix collaboration among industry, government, and academia;
- e. The creation of diversified nationally leading products.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	3,500,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
<hr/>			<hr/>		
Subtotal	: US\$	3,500,000	Subtotal	: US\$	0
TOTAL : US\$ 3,500,000					

Improvement of Human Resources Quality and Competitiveness

1. Project Title	: Strengthening Apparatus Management and Development (SMART)
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of National Development Planning/ National Development Planning Agency
4. Implementing Agency	: Ministry of National Development Planning/ National Development Planning Agency
5. Duration	: 84 months
6. Location	: Nationwide and overseas

7. Objectives

To increase the capacity of Indonesia human resources with the support of talent management system development, implementation of capacity building programs for apparatus to encourage the achievement of national development priorities.

8. Scope of Works

- a. Strategic talent management;
- b. State apparatus and human resources professionalization;
- c. Capacity development of domestic education and training institutions;
- d. Project management.

9. Outputs

- a. Talent management system for apparatus;
- b. Professional apparatus;
- c. Domestic education and training institutions capacity enhancement.

10. Outcomes

The availability of policies and public services to support good governance and competitiveness focusing on national development priorities.

11. National Priorities in RPJMN 2020-2024

- a. Enhancing human resources quality and competitiveness;
- b. Strengthening policies, laws, defense and security stability and public services transformation.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 50,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 50,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 50,000,000	

1. Project Title	: Development of Airlangga SMART Park
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: The Ministry of Higher Education, Science, and Technology
4. Implementing Agency	: Universitas Airlangga
5. Duration	: 84 months/ 7 years (2026-2033)
6. Location	: Morkepek Village, Labang District, Bangkalan Regency, Madura Island, Indonesia

7. Objectives

- a. Enhancing Education Quality and Innovation - ASTP will serve as a hub for innovative teaching and learning, integrating research with practical applications to produce industry-ready and globally competitive graduates;
- b. Strengthening Industry-Academia Collaboration - Bridge theoretical research and practical implementation to enhance academic research relevance and impact, driving economic growth and societal development;
- c. Supporting National Development Goals - Align with RPJMN 2025-2029 objectives on downstream natural resource-based industries and strengthening human resource development in science, technology, and education;
- d. Promoting Sustainable Development - Ensure educational programs and research support economic, social, and environmental sustainability to achieve SDGs;
- e. Optimizing International Expertise - Collaborate with JICA to access international expertise, resources, and best practices in STP development;
- f. Economic and Social Impact - Foster innovation, create jobs, enhance economic growth, and promote social inclusion through equal educational opportunities.

8. Scope of Works

The scope of work includes:

- a. Building a Science Technopark as an Innovation Hub;
- b. Enhancing capacity and capability through the Mobility Program;
- c. Establishing advanced and accessible research equipment;
- d. Building a comprehensive and advanced business incubator.

9. Outputs

- a. Accelerate RPJMN 2025–2029 implementation focusing on downstream natural resource-based industries and strengthening human resource development in science, technology, education, health, and gender equality;
- b. Support Presidential Asta Cita program including food and health security, energy, water, creative economy, green and blue economy, and industrialization;
- c. Advance Ministry priorities for quality higher education, research and development culture, and science and technology park development;
- d. Improve capacity of academic community at UNAIR and neighboring institutions, particularly from eastern and remote regions of Indonesia;
- e. Increase international research collaboration;
- f. Stimulate growth of local MSMEs and attract investment opportunities to Madura Island;
- g. Contribute to regional income and GRDP.

10. Outcomes

- a. Economic Resilience and Regional Development - Strengthen economic resilience through innovation and downstream product development, stimulate development in historically underdeveloped Madura area to reduce regional disparities, and support inclusive and quality growth;
- b. Human Resources and Infrastructure Development - Improve quality and competitiveness of human resources through education and research, develop physical and digital infrastructure to support knowledge-based economy, and foster mental revolution and cultural development;
- c. Environmental Sustainability - Promote environmental sustainability, disaster resilience, and climate change mitigation through green environment concept and research in renewable energy, sustainable food systems, and eco-friendly technologies.

11. National Priorities in RPJMN 2025-2029

- a. Strengthening Human Resource Development, Science, Technology. Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.
- b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 22,026,225 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 16,754,805
<hr/> Subtotal : US\$ 22,026,225	<hr/> Subtotal : US\$ 16,754,805
TOTAL : US\$ 38,781,030	

1. Project Title	: Improving the Quality of Medical, Specialist, and Health Professional Education in Indonesia through the Development of Disaster-Resilient Teaching Hospitals and Strengthened Academic Health System Collaboration
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry Higher Education, Science, and Technology
4. Implementing Agency	: Universitas Syiah Kuala
5. Duration	: 60 Months
6. Location	: Banda Aceh, Aceh Province

7. Objectives

To Establish a disaster-resilient teaching hospital with 300 beds (expandable to 800 beds in emergencies), integrated with the academic health system, to enhance medical education, research, health services, and disaster preparedness in western Indonesia.

8. Scope of Works

- a. Construction of new teaching hospital infrastructure and supporting facilities;
- b. Procurement of advanced medical and laboratory equipment;
- c. Recruitment and training of healthcare professionals and staff;
- d. Deployment of integrated hospital information and management system;
- e. Compliance with environmental, legal, and educational accreditation standards.

9. Outputs

- a. One fully functional teaching hospital (type B) with disaster resilience capacity;
- b. Advanced medical equipment and IT systems in place;
- c. Trained staff and faculty for operations and education;
- d. Compliance with national standard for education and health services.

10. Outcomes

- a. Improved quality and access to medical education and health services in Aceh;
- b. Reduced patient outflow to foreign countries for medical care;
- c. Enhanced disaster preparedness through a dedicated health facility.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 75,000,000 - Grant : US\$ 0 <hr/>	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (USK Fund Source) : US\$ 560,000 <hr/>
Subtotal : US\$ 75,000,000	Subtotal : US\$ 560,000
TOTAL : US\$ 75,560,000	

1. Project Title	: The Development of Sustainable Teaching Hospital Through Strengthening Healthy Integrated Smart (HITS) and Green Initiative at Universitas Sultan Ageng Tirtayasa
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry Higher Education, Science, and Technology
4. Implementing Agency	: Universitas Sultan Ageng Tirtayasa
5. Duration	: 48 Months
6. Location	: Serang, Banten

7. Objectives

The proposed project titled "Development of Sustainable Teaching Hospital through Strengthening Healthy Integrated Smart (HITS) and Green Initiative at Universitas Sultan Ageng Tirtayasa (UNTIRTA)" aims to address urgent healthcare, education, and environmental challenges in Banten and surrounding regions through the development of a future-oriented, integrated healthcare facility. This initiative will serve as a national model for combining sustainable infrastructure with cutting-edge medical education and industrial safety preparedness.

8. Scope of Works

This project encompasses the end-to-end development of a Sustainable and Innovative Teaching Hospital (SITI) at Sultan Ageng Tirtayasa University (UNTIRTA). Integrating the HITS (Healthy Integrated Smart and Green) framework with a primary focus on establishing an Industrial Trauma Center (ITC). The scope includes hospital planning and design, followed by the construction of teaching hospital facilities encompassing clinical, academic, research, and administrative zones through civil and structural works. High-standard inpatient and outpatient facilities, emergency units, ICUs, operating rooms, and specialized Private Wings within the ITC-equipped for work-related injuries including trauma surgery, chemical burn units, hyperbaric therapy, and emergency decontamination will be developed in an integrated manner. Additionally, the proposal incorporates green infrastructure, procurement of advanced medical equipment, educational-clinical integration, ITC development, community health and research programs, capacity building and international collaboration, as well as a monitoring and evaluation system aligned with project KPIs covering patient services, education quality, and sustainability performance.

9. Outputs

- a. Accelerating the Implementation of the Indonesian National Medium-Term Development Plan (RPIMN) 2025-2029 by focusing on continuing downstreaming and developing, natural resource-based industries to increase domestic added value and Strengthening Human Resource Development, Science, Technology, Education and Health;
- b. Supporting the President and Vice President of Indonesia in implementing the Asta Cita program, which includes food and health security and resilience, energy, water, creative economy, green and blue economy, downstreaming, and industrialization;

- c. Advancing priority program Ministry of Higher Education, Science, and Technology for access to quality, relevant, and impactful higher education; fostering and strengthening a scientific culture of research and development; development of science and technology park; addressing national social and economic challenges;
- d. Enhanced healthcare services through the development of a sustainable and innovative teaching hospital;
- e. Establishment of the Industrial Trauma Center as a flagship service for occupational emergency care and training;
- f. Growth in interdisciplinary research and innovation integrating health, environmental, and industrial safety technologies;
- g. Strengthened public health through targeted community programs and healthcare outreach
- h. Significant reduction in environmental impact through green technologies, smart hospital systems, and sustainable medical waste treatment.

10. Outcomes

To realize its vision of becoming a green, integrated, and smart university, Universitas Sultan Ageng Tirayasa (UNTIRTA) is developing the Sustainable and Innovative Teaching Hospital (SITH). This initiative represents a holistic transformation that advances healthcare access, medical education, environmental responsibility, and community engagement as a model of sustainable health services and education

- a. The Need for the Future: Sustainable and Innovative Teaching Hospital at UNTIRTA;
- b. Development of Environmental Health and Green Technology;
- c. Independent Health Technology: Sustainable Medical Device Manufacturing for UNTIRTA;
- d. Eco-Smart Waste Treatment: Supporting UNTIRTA's Sustainable Healthcare. This initiative establishes a comprehensive and environmentally safe waste management system;
- e. Interdisciplinary Health Research and Innovation Hub. This program will transform the hospital into a collaborative center for research that integrates medicine, public health, engineering, and environmental science;
- f. UNTIRTA Human Resource Capacity Building: Degree and Non-Degree Programs for Teaching Hospital. Capacity building is critical for hospital sustainability;
- g. Community-Based Health Programs. Designed to strengthen UNTIRTA's social impact, this program delivers preventive healthcare, environmental health education, and outreach services to rural and underserved populations;
- h. Sustainable Health Education;
- i. Academic Supporting Infrastructure.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	48,015,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others (GoI/PNBP)	: US\$	7,921,654
Subtotal	: US\$	48,015,000	Subtotal	: US\$	7,921,654
TOTAL	: US\$	55,936,655			

1. Project Title	: UNAIR Veterinary Transformation and Research Innovation Exchange
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: The Ministry of Higher Education, Science, and Technology
4. Implementing Agency	: Universitas Airlangga
5. Duration	: 60 Months
6. Location	: Universitas Airlangga, Kampus C, Fakultas Kedokteran Hewan (FKH), Jl. Mulyorejo, Surabaya 60115 & Dusun DUKUH, Desa Tanjung, Kecamatan Kedamean, Gresik, Jawa Timur, 61175

7. Objectives

- a. Enhance graduate relevance and quality by integrating collaborative education-research in One Health, zoonoses, stem cell, and biomolecular fields aligned with national priorities;
- b. Expand international partnerships and capacity (mobility, joint projects, co-supervision) to generate measurable socio-economic impact in animal health and food security;
- c. Accelerate innovation down streaming and center of excellence positioning to establish UNAIR as a regional veterinary hub for 2026-2030;
- d. Strengthen high-risk infectious disease research and national biosafety capacity, enabling rapid. coordinated outbreak and pandemic response;
- e. Enable vaccine, diagnostic, and drug discovery pipelines, including preclinical animal testing (ABSL-3) to support health preparedness and industry uptake;
- f. Modernize laboratory design and operations to international standards (negative-pressure HVAC, dual HEPA, controlled transition/decontamination zones) for safe, sustainable operations.

8. Scope of Works

- a. Establishing comprehensive and advanced Collaborative Education-Research Hub;
- b. Establishing advanced and accessible research facility;
- c. Enhancing capacity and capability through mobility programs;
- d. Advancing translational research and strategic industry-government partnerships.

9. Outputs

- a. Internationalized curriculum and mobility: >20 International activity;
- b. Operational of academic and research facilities (Teaching Farm-Artificial Insemination Center, Research Center, and Veterinary Teaching Hospital) as integrated learning-research facilities/incubators;
- c. A total of 2300 students certified through professional certification and competency training programs;
- d. Collaborative research and down streaming: 210 reputable publications and 23 adopted solutions, with Increased IP/ISBN outputs;
- e. Revitalized BSL-3 (incl utilities/HVAC negative pressure and multi-HEPA systems) per specified layout;
- f. Compliance/certification to WHO LBM 4th, CDC/NIH BMBL 6th, ISO 14644, and ANSI/AIHA 29.14;

- g. Completed commissioning and documentation: airflow visualization, tracer-gas containment. HEPA DOP and pressure-decay tests, SOP/ERP/maintenance/training records.

10. Outcomes

- a. Accelerating the Implementation of the Indonesian National Medium-Term Development Plan (RPIMS) 2025-2029 by focusing on SD6s 2, 3, 1, 8, 12,17;
- b. Supporting the Governments in implementing the Asta Cita program, which includes food and health security and resiliency, energy, water, creative economy, green and blue economy, down streaming, and industrialization;
- c. Advancing priority program Ministry of Higher Education, Science, and Technology for access to quality. relevant, and impactful higher education; fostering and strengthening a scientific culture of research and development: development of science and technology park addressing national social and economic challenges;
- d. Improving the capacity and competency of the academic community at Universitas Airfangga and neighbouring educational institutions, particularly academia from eastern and remote regions of Indonesia (researchers, lecturers, technicians, students, and fresh graduates);
- e. Increasing international research collaboration;
- f. Increasing and contributing to regional income as part of the Gross Regional Domestic Product (GRDP).

11. National Priorities in RPJMN 2025-2029

- a. Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue;
- b. Continuing Infrastructure Development and Increasing Quality Employment. Encouraging Entrepreneurship, Developing the Creative Industry. and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives;
- c. Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities;
- d. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 16,170,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 2,400,000
<hr/> Subtotal : US\$ 16,170,000	<hr/> Subtotal : US\$ 2,400,000
TOTAL : US\$ 18,570,000	

1. Project Title	: Polnes-Industry Strategic Collaboration for sustainable transformation in mining and plantations based on Green Technology (PIGreen)
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of Higher Education, Science and Technology
4. Implementing Agency	: Samarinda State Polytechnic
5. Duration	: 36 Months
6. Location	: East Kalimantan Samarinda City

7. Objectives

The general objective of this program is to improve the competence of students and enthusiasts, especially in East Kalimantan and Indonesia in general in the fields of renewable energy, chemical extraction and heavy equipment mechanics to support the plantation and mining industries

While the specific objectives of this program are:

- Improve capabilities in efforts to face competition along with the presence of the IKN in East Kalimantan;
- Improve the quality of education in the fields of renewable energy, chemical extraction and heavy equipment mechanics;
- Improve the quality of cooperation with the plantation and mining industries by improving the quality of Lecturers & Technicians, as well as industrial cooperation programs:
- Improve facilities and infrastructure to support the industry.

8. Scope of Works

- Education and Human Resources Development;
- Green Technology Research and Innovation;
- Infrastructure and Technology Development (Infrastructure);
- Increasing the Capacity of Industrial Cooperation.

9. Outputs

- Curriculum documents in the fields of petro & oleo chemistry and industrial chemistry verified by professional associations in the field of chemistry (national/international);
- Curriculum documents in the field of renewable energy verified by professional associations in the field of energy (national/international);
- Curriculum documents in professional associations the field of heavy equipment mechanics verified by in the field of heavy equipment technology (national/international);
- Number of certified lecturers and technicians in the fields of petro & oleo chemistry and industrial chemistry (national/international);
- Number of certified lecturers and technicians in the field of renewable energy (national/international);
- Number of certified lecturers and technicians in the field of heavy equipment mechanics (national/international);

- g. Number of students doing internships for at least 6 months in multinational industries;
- h. Number of lecturers carrying out industrial internships in multinational industries;
- i. Availability of supporting facilities and infrastructure for the implementation of improving the quality/talent of human resources.

10. Outcomes

- a. Quality Human Resources: The percentage of graduates absorbed in green technology-based industries increases;
- b. Institutional Competitiveness: Increased accreditation of study programs and institutions (national/international);
- c. Competitive Lecturers and Technicians.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 24,375,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 375,000
<hr/> Subtotal : US\$ 24,375,000	<hr/> Subtotal : US\$ 375,000
TOTAL : US\$ 24,750,000	

1. Project Title	: Collaboration of University Teaching Hospital "Sekar Purwo" as Integrated Health Research and Services Centers
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of Higher Education, Science and Technology of the Republic of Indonesia
4. Implementing Agency	: Universitas Gadjah Mada, Universitas Diponegoro, Universitas Jenderal Soedirman
5. Duration	: 48 Months
6. Location	: Yogyakarta and Central Java

7. Objectives

The general objective of this project is to establish an integrated Academic Health System (AHS) network among three university teaching hospitals namely RSA UGM, RSND UNDIP, and RSA UNSOED by improving the availability, quality, and accessibility of medical education, medical research, and specialized healthcare in Central Java and Yogyakarta through collaborative efforts. This objective will be accomplished by fulfilling the following specific aims : (i) Establishing a synergistic translational education and research ecosystem through an integrated university-based health service system in the Semarang – Yogyakarta - Purwokerto (SEKAR PURWO) region, (ii) Developing and integrating physical and digital infrastructure in the three academic hospitals to establish exemplary pathways for healthcare, medical education, and medical research (iii) Developing and implementing innovative collaborative education initiative for medical doctors and specialists to address the national shortage of essential medical personnel, (iv) Providing patient-centered and evidence-based healthcare through effective referral network integrative platform which accessible to all social strata.

8. Scope of Works

- a. Component 1: Human Resource Capacity Development and Network Ecosystem
 - Strengthening the competency of human health resources across academic hospital network through expert mobility and visiting expert programs, mandatory medical specialist training rotation among academic hospitals, joint medical specialist training curriculum development, establishment of collaborative distinguished specialist training programs, and expanding international network partnerships (sister hospitals);
 - Developing a Collaborative Research and Innovation Ecosystem through Joint Research Groups, Multicenter Clinical Trials Collaboration among UGM-UNDIP-UNSOED, and the establishment of a Knowledge Management Center;
 - Strengthening information technology governance and capacity through human resource competency development, system development and integration, and the formulation of policies supporting sustainable digital transformation.
- b. Component 2: Physical Infrastructure and Medical Equipment Procurement
 - Construction of Buildings and Procurement of Equipment for Cardiology, Oncology, and the Academic Research Unit (ARU) at UGM;

- Construction of Buildings and Procurement of Equipment for the Integrated Cancer Research and Service Center, and the establishment of a Patient Lodge at UNDIP to support integrated services;
 - Construction of Buildings and Procurement of Equipment for the Teaching Hospital (RSP), establishment of the Stem Cell and Genomic Research Center, and the Applied Public Health Research and Food System Innovation Center at UNSOED;
 - Developing the Digital Backbone of the Network (Integrated AHS Digital Platform), focusing on fulfilling hardware and software need.
- c. Component 3: Project Network Management and Governance
- The operationalization of the project management unit and the implementation of project performance monitoring and evaluation.

9. Outputs

- a. Increased capacity of Network-Competent Human Resources across UGM, UNDIP, and UNSOED;
- b. Established Collaborative Research and Innovation Ecosystem among UGM, UNDIP, and UNSOED;
- c. Operational Integrated AHS Digital Platform serving as the Digital Backbone of the Network;
- d. Completed and operational Cardiology, Oncology, and Academic Research Unit (ARU) buildings and equipment at UGM;
- e. Completed and operational Integrated Cancer Research and Service Center buildings, equipment, and Patient Lodge at UNDIP;
- f. Completed and operational Teaching Hospital (RSP) buildings and equipment, Stem Cell and Genomic Research Center, and Applied Public Health Research and Food System Innovation Center at UNSOED.

10. Outcomes

- a. Expanded access to comprehensive specialist care for patients across Central Java and Yogyakarta;
- b. Greater output of specialist medical graduates through joint training programs;
- c. Growth in high-impact collaborative research outputs, including peer-reviewed publications and registered patents;
- d. Enhanced patient satisfaction through improved continuity of care between RSPTNs within the integrated referral system for specific case types;
- e. Advancement in medical device development driven by collaborative innovation and research;
- f. Establishment of a replicable Academic Health System (AHS) model applicable to other regions in Indonesia;
- g. Increased case referrals for clinical training, ensuring sufficient case exposure for healthcare professional education.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	273,932,905	- Central Government	: US\$	0
			- Regional Government	: US\$	0
- Grant	: US\$	0	- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
<hr/>			<hr/>		
Subtotal	: US\$	273,932,905	Subtotal	: US\$	0
TOTAL : US\$ 273,932,905					

1. Project Title	: Development of Academic Health System of Universitas Padjadjaran in West Java
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of Higher Education, Science, and Technology, Republic of Indonesia
4. Implementing Agency	: Universitas Padjadjaran
5. Duration	: 48 Months
6. Location	: West Java, Sumedang, Bandung, Garut, and Pangandaran

7. Objectives

The objective of the development of Academic Health System of Universitas Padjadjaran in West Java are:

- a. to enhance impact of tridharma activities in Unpad through integration and harmonization between education and health service in every levels, from primary until tertiary;
- b. to increase human resource capacity in Unpad in the context of relevant health problem and ultimate strengthening of health system based on population in the captured area;
- c. to enhance the capacity of alumni of study program in health and medicine of Unpad by transformative learning approach;
- d. to develop and manage new knowledge in resources, technology, approach, and medical and health practices to reduce the Tuberculosis case;
- e. to implement knowledge about Tuberculosis which has been developed in every level of health services and community;
- f. to develop new technology innovation to prevent and manage problems related to child growth and development as well as stunting;
- g. to implement new knowledge as research and services results to prevent and manage problem related to child growth and development as well as stunting;
- h. to diffuse innovation product and knowledge to the global community.

8. Scope of Works

The scope of work will be

- a. Curriculum development;
- b. Staff development through Non-Degree Training;
- c. Development of Teaching Hospital A and B class with Integrated Clinic;
- d. Development of TB Center;
- e. Development of Child Development and Stunting Center (CDSC);
- f. Development of Dental Center;
- g. Development of Clinical Trial Center;
- h. Information of Academic Health System;
- i. Consultant Services and Support to the Project Management.

Logical Framework

Input needed to conduct activities to achieve the output targets and outcome of the projects include:

- a. Qualified human resource includes:

- Students;
 - Faculty members;
 - Supporting staff such as laboratory technical staff, administrative staff;
 - Medical and health personnel;
 - Community as beneficiary of health services.
- b. Building facilities and equipment such as:
- Hospital type A and B;
 - Clinic facility;
 - TB Center facility;
 - Facility for Child Development and Stunting Center (CDSC);
 - Academic building facility for health education;
 - Facility for Integrated Academic and Health Information System.
- c. Multisector institutionalization involving:
- Ministry of Higher Education, Science and Technology;
 - Ministry of Health;
 - Local Government.

9. Outputs

- a. Increased number of health service facilities in the West Java Province;
- b. Enhanced specific health services for tuberculosis and stunting;
- c. Strengthened capacity of human resource in health in the West Java Province;
- d. Enhanced health research and innovation particularly in tuberculosis and stunting;
- e. Strengthened academic information system in health;
- f. Increased number of health and medical personnel to meet the need of distribution particularly in the West Java Province.

10. Outcomes

- a. Public Private Partnership: collaboration among the hospitals including capacity building of private sector in enhancing health services;
- b. Becoming center of excellence for education of general practitioner and specialist supported by scholarships schemes and becoming health research and development center;
- c. Source of welfare for human resource in the teaching hospital of Unpad.

11. National Priorities in RPJMN 2025-2029

Strengthening human resource development, science, technology, education, health, sport achievement, gender equality, female role, youth (millennial and Z generation), and disabilities.

12. Project Cost

● Foreign Funding		● Counterpart Funding	
- Loan : US\$	118,438,080	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	6,352,280
Subtotal : US\$	118,438,080	Subtotal : US\$	6,352,280
TOTAL : US\$	124,790,400		

1. Project Title	: UPI Education Quality Improvement Project
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Kementerian Pendidikan Tinggi, Sains, dan Teknologi
4. Implementing Agency	: Universitas Pendidikan Indonesia
5. Duration	: 48 Months
6. Location	: Bandung, Jawa Barat

7. Objectives

This project aims to enhance the quality of education and training by developing laboratory facilities, technology-based caring spaces, and integrating academic knowledge with workforce and industry needs, including the construction of the Faculty of Medicine and Teaching Hospital at Universitas Pendidikan Indonesia (UPI). It also strengthens research quality and innovation through academia-industry collaboration in technology, health, and education, while supporting health services via the University Sports Medicine Center, which provides rehabilitation, sports medicine training, and specialized clinical practice. University financial management is bolstered by establishing the University Financial Management Unit (BUMU), offering conference and laboratory facilities, technology-based education services, an endowment fund, and national-international partnerships to advance academic and research collaboration. Overall, the project transforms university campuses through digitalization, financial management, and the use of big data and artificial intelligence to improve efficiency and transparency.

8. Scope of Works

- a. Civil Work
 - Educational Facilities (Faculty of Medicine Building);
 - Educational Support Facilities (Teaching Hospital Building);
 - Infrastructure (Utility Connection and Site Development for Faculty of Medicine and Teaching Hospital and Green infrastructure - Integrated Campus Waste Management, Campus Liquid Waste Recycling Treatment, Solar Electricity Panel).
- b. Equipment Procurement;
- c. Furniture Procurement;
- d. Consultancy Services (Feasibility Study, Environmental Impact Analysis & Traffic Impact Analysis, DEDC, IDC, PMSC);
- e. Curriculum Development;
- f. Capacity Building and Staff Development;
- g. Project Management Unit (PMU).

9. Outputs

The following are the expected outputs of this project:

- a. Accelerating the Implementation of the Indonesian National Medium-Term Development Plan (RPIMN) 2025-2029 by focusing on continuing downstreaming and developing natural resource-based industries to increase domestic added value and Strengthening Human Resource Development, Science, Technology, Education and Health;

- b. Supporting the President and Vice President of Indonesia in implementing the Asta Cita program, which includes food and health security and resiliency, energy, water, creative economy, green and blue economy, down streaming and industrialization;
- c. Advancing priority program Ministry of Higher Education, Science, and Technology for access to quality, relevant, and impactful higher education; fostering and strengthening a scientific culture of research and development: development of science and technology park: addressing national social and economic challenges;
- d. Improving healthcare services through the development of a Sport Medicine and Sport Science teaching hospital to support the strengthening of the Center of Excellence (CoE) in Education through the development of medical and sport medicine education facilities in order to improve quality, productivity, and international competitiveness;
- e. Growth in research and innovation by integrating health technology and education.

10. Outcomes

The expected impacts of this activity are:

- a. Increased research and Innovation capacity at UPI in responding to early childhood health challenges and degenerative diseases at the regional and national levels through Sport Medicine and Sport Science;
- b. Increased strategic research collaboration with industry, government, and international partners, particularly in the field of sports;
- c. Increased non-government revenue (PNBP) through technical services and the commercialization of health and medical education services;
- d. Improved public health and access to advanced diagnostic and therapeutic services for degenerative diseases (such as stroke, diabetes, cancer);
- e. Sustainable Health Education;
- f. Academic Supporting Infrastructure.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 48,105,750 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 12,208,344
<hr/> Subtotal : US\$ 48,105,750	<hr/> Subtotal : US\$ 12,208,344
TOTAL : US\$ 60,314,094	

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- | | |
|-------------------------------|--|
| 1. Project Title | : Strengthening Medical Education and Medical Professional Education at Universitas Negeri Surabaya with Sports Excellence as the Center for Indonesian Sport Science |
| 2. Program Title | : Improvement of Human Resources Quality and Competitiveness |
| 3. Executing Agency | : Direktorat Jenderal Pendidikan Tinggi; Kementerian Pendidikan Tinggi, Sains, dan Teknologi |
| 4. Implementing Agency | : Universitas Negeri Surabaya |
| 5. Duration | : 48 Months |
| 6. Location | : Universitas Negeri Surabaya, Kampus UNESA 2, Jl. Raya Kampus UNESA, Lidah Wetan, Surabaya, Jawa Timur, 60213 |
-

7. Objectives

- Improve the quality of educational services and the relevance of professional education for doctors, midwives, nurses, physiotherapists, dentists, produce competent and highly competitive graduates, Improve the service of the Tridharma of higher education, lecturers, the sports community, and the general public;
- Provide easy, fast adequate, and quality health services for the general public with excellent sports clinic services, haemodialysis units, disability clinics, geriatric clinics, and homecare units;
- Provide a hospital that provides sports clinic services.

8. Scope of Works

- Hospital Infrastructure;
- Equipment & Furniture;
- Human Resources Development;
- Hospital Institutions;
- Emergency Preparedness;
- Project Management;
- Financial Auditing.

9. Outputs

- A new building constructed on the UNESA 2 Campus with a total floor area of 34,490 square;
- Provision of 231 inpatient beds, consisting of a 20-bed ICU, 15-bed Postpartum Care Room, 48-bed Class III Care Room, 48-bed Class II Care Room, 40-bed Class I Care Room, 30-bed VIP Care Room, and 30-bed VVIP Care Room;
- Medical Equipment such as: Operating Microscope for Neurosurgery, Laparoscopy (Operative Gynecology), URS Set Steam Sterilizer, USG (Ultrasonograph) 4D, Echocardiography Colour Doppler+Probe Vascular, Colonoscopy Set, Neurosurgical High Speed Drill Unit;
- Non-medical equipment such as: Steam Sterilizer, Plasma Sterilizer, Washer Disinfectors, Washer Extractor;
- Furniture and Fixture.

10. Outcomes

- a. Increasing the scope of public health services at the project location hospital for inpatient, outpatient, and intensive care services;
- b. Enhancing professional education for doctors, midwives, and nurses at the UNESA Faculty of Medicine in producing competent and professional doctors, midwives, and nurses;
- c. Availability of learning laboratories for students of professional education for doctors, midwives, and nurses at the UNESA Faculty of Medicine;
- d. Strengthening development in the health sector through integrated development of education and research;
- e. Increasing referrals for health services for hospitals and health centres in the project location area;
- f. Providing alternative health services for the community;
- g. Providing health services related to sports (sports clinic) for the East Java region and eastern Indonesia;
- h. Increasing cases in the utilization of the integrated referral system;
- i. Development of superior services at the project location hospital;
- j. Compliance with clinical pathways at the project location hospital;
- k. Speed of response to complaints at the project location hospital;
- l. Increasing emergency response time at the project location hospital.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	51,515,151	- Central Government	: US\$	0
			- Regional Government	: US\$	0
- Grant	: US\$	0	- State-Owned Enterprise	: US\$	0
			- Others (GoI)	: US\$	738,320
<hr/>			<hr/>		
Subtotal	: US\$	51,515,151	Subtotal	: US\$	738,320
TOTAL : US\$ 52,243,538					

1. Project Title	: Development of Vocational Training Center-Sidoarjo
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Directorate General of Vocational Training and Productivity Development
4. Implementing Agency	: Sidoarjo Vocational Training Center
5. Duration	: 36 Months
6. Location	: East Java Province and Sidoarjo Regency

7. Objectives

With the continuous growth of the industrial sector, efforts to enhance the competence and competitiveness of human resources, particularly in the manufacturing and welding sectors, are essential.

However, to date, the Ministry of Manpower still faces limitations in developing the Technical Implementation Units of Vocational Training Centers (UPTP BPVP) to provide training that meets the increasingly advanced skill requirements driven by the industrial revolution.

Therefore, through this proposal, the Ministry of Manpower is currently working on the development of UPTP BPVP Sidoarjo to become a center of excellence in preparing competent workers who are capable of competing in both local and global labor markets, while also contributing to industrial growth in East Java and Indonesia as a whole.

8. Scope of Works

- a. Development of training programs and curricula in the fields of manufacturing, welding, and electrical engineering, aligned with the needs of industries supporting these sectors, and conducted in collaboration with industry stakeholders;
- b. Procurement of vocational training equipment for manufacturing, welding, and electrical disciplines at the BPVP;
- c. Preparation of workshop infrastructure for manufacturing and welding vocational training, aimed at providing adequate and industry-relevant training facilities;
- d. Implementation of Training of Trainers (ToT) programs, intended to produce qualified instructors/assessors who meet the specific training requirements of the manufacturing, welding, and electrical sectors;
- e. Development of training governance and management systems.

9. Outputs

- a. Availability of one complete set of vocational training equipment each for Manufacturing, Welding, and Electrical disciplines;
- b. Construction of two training buildings and one laboratory: one Welding vocational training building with an area of 1,200 m², one Manufacturing vocational training building with an area of 400 m², and one DT/NDT welding and electrical testing laboratory with an approximate area of 900 m²;
- c. Implementation of Training of Trainers (ToT) for 18 instructors (6 Welding instructors, 6 Electrical instructors, and 6 Manufacturing instructors);
- d. Development of training programs for Manufacturing, Welding, and Electrical disciplines;

- e. Completion of evaluation reports, including the Equipment Procurement Evaluation Report, Building Construction Evaluation Report, Instructor Training Evaluation Report, and the Evaluation Report on Program Development, Module Creation, and Training Management.

10. Outcomes

- a. Availability of internationally standardized training equipment for the Manufacturing discipline (CNC Machine Operator sub-discipline) with a training capacity of 112 participants per year; the Welding discipline (MMA, MIG/MAG, TIG Welding, and DT/NDT Welding Test sub-disciplines) with a capacity of 224 participants per year; and the Electrical discipline (Renewable Energy, Wiring and Drives, and HVAC-Air Conditioning sub-disciplines) with a capacity of 400 participants per year;
- b. Establishment of adequate and comfortable training facilities to deliver vocational training in Manufacturing (CNC Machine Operator) with a capacity of 112 participants per year; Welding (MMA, MIG/MAG, TIG Welding, DT/NDT Welding Test) with a capacity of 224 participants per year; and Electrical (Renewable Energy, Wiring and Drives, HVAC-Air Conditioning) with a capacity of 400 participants per year;
- c. Development of 18 qualified instructors in Manufacturing, Welding, and Electrical disciplines, capable of delivering respective training programs, along with the appointment of a Training Center Director equipped with the necessary skills to manage training in these fields;
- d. Establishment of new vocational disciplines and training programs--Manufacturing, Welding, and Electrical-complete with European standard curricula and teaching materials, which will expand BPVP Sidoarjo's training capacity to 736 participants per year (112 in Manufacturing, 224 in Welding and 400 in Electrical);
- e. Preparation of biannual reports including recommendations for improvements, which will be submitted to both the Government of Indonesia and the Government of Austria, with follow-up actions to be implemented in the following semester.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 15,684,225 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 15,684,225	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 15,684,225	

1. Project Title	: The Development of Educational Facilities of The State Islamic University of Alauddin Makassar
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of Religious Affairs (MORA)
4. Implementing Agency	: State Islamic University of Alauddin Makassar
5. Duration	: 48 Months
6. Location	: South Sulawesi/Gowa Regency

7. Objectives

- a. To construct new buildings: Integrated Laboratory, Ma'had Al-Jami'ah Dormitory, Integrated Classrooms, and Student Activity Center;
- b. To support capacity development programs;
- c. To enhance academic development;
- d. To improve university management.

8. Scope of Works

- a. Preliminary Studies;
- b. Start-Up Workshop;
- c. Capacity Building for Lecturers and Staff (Training);
- d. Curriculum Development Program;
- e. Consultants (DEDC, PMSC, EQC);
- f. Civil Works and Infrastructure;
- g. Furniture and Equipment;
- h. Consultants (DEDC, PMSC, EQC);
- i. ICT Campus Development;
- j. Project Management Unit (PMU);
- k. Audit Consultant.

9. Outputs

- a. Buildings and Infrastructure: Construction of new buildings, infrastructure, and other installed facilities;
- b. Furniture and Equipment: Provision of furniture, fixtures, and equipment;
- c. Curriculum Development: Development of new and relevant curricula;
- d. Training for Lecturers, Staff, and Management: Increased participation of staff and lecturers in training programs;
- e. Improvement in Islamic Values, Discipline, and Religious Moderation: Achieved through the creation of safe, affordable, and supportive residential environments that foster students' spiritual and social learning;
- f. Availability of Technology-Based Classrooms (Smart Classrooms): Supporting digital, hybrid, and interactive learning methods while improving the efficiency and quality of teaching and learning through information technology integration;
- g. Availability of Integrated Facilities for Student Activities: Supporting student organizations, soft-skill training, counseling services, entrepreneurship, and creativity encouraging greater participation, productivity, and non-academic competence at both local and international levels.

10. Outcomes

- a. Improved quality of graduates who are not only academically excellent but also possess strong character, religious moderation, and good social skills through intensive guidance at the Ma'had Al-Jami'ah Dormitory;
- b. Implementation of a more effective, innovative, and technology-adaptive learning process, enabling students to master 21st-century competencies through the Integrated Smart Classrooms facilities;
- c. Increased active participation of students in various student activities, soft-skill development, and entrepreneurship programs, contributing to the formation of a productive and creative young generation through the Student Center;
- d. All equipment is optimally utilized to support research and learning activities;
- e. The curriculum supports graduate competencies relevant to society and the labor market;
- f. A healthy and integrity-based academic environment is established and maintained.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

● Foreign Funding		● Counterpart Funding	
- Loan : US\$	62,494,080	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others (Gol) : US\$	3,124,704
Subtotal : US\$	62,494,080	Subtotal : US\$	3,124,704
TOTAL : US\$	65,618,784		

1. Project Title	: UIN Ar-Raniry Banda Aceh Development and Quality Improvement
2. Program Title	: Improvement of Human Resources Quality and Competitiveness
3. Executing Agency	: Ministry of Religious Affairs (MORA)
4. Implementing Agency	: a. Directorate General of Islamic Education MoRA b. Universitas Islam Negeri (UIN) Ar-Raniry Banda Aceh
5. Duration	: 48 Months + 12 Months Retention
6. Location	: Banda Aceh, Aceh

7. Objectives

As an integral part of UIN Ar-Raniry Banda Aceh efforts of becoming World Class University (WCU) and its readiness to adapt to change, advancements, and evolving demands, in line with the progression of time, science, and technology. The development and strengthening of the university's distinctive islamic economic scientific field to establish excellence and foster a Center of Excellence (CoE), providing with strong foundation to navigate future opportunities, challenges, and global competition.

8. Scope of Works

- a. Civil Works & Infrastructure;
- b. Educational Equipment & Consultants;
- c. University IT & Data Centre;
- d. Capacity Building & Curriculum Development.

9. Outputs

- a. Classrooms and laboratories for teaching and learning activities as well as offices for teachers, and general office administration for Students;
- b. Dormitories or boarding rooms for male and female and foreign students;
- c. Multipurpose and business centre for internal and external use;
- d. Supporting equipment and facilities for campus activities;
- e. Digital data center for university management and operations;
- f. Comparative research with two or more different variables and Training program for university staff;
- g. Programs of creative practices within the framework for innovative technical and vocational education and training to implement innovative vocational education;
- h. Improvement of education as main agenda for strengthening the functions of universities;
- i. Support for professional educational personnel such as lecturer, learning resource technician, administrators for educational institutions and laboratory workers.

10. Outcomes

- a. New academic buildings and new integrated laboratory building;
- b. New laboratories equipment facilities and new furniture and fixtures;
- c. Workshop, focused group discussion, seminar, conference and in-house public training;
- d. Increase the quality of teaching-learning processes, enrollment number, student body, competent graduates, competition ratio and quality of academic atmosphere;
- e. Increase university revenue, number of citation index and number of completed equipment;

- f. Increase number of publications, number of IPR, patent, and prototypes;
- g. Increase amount of trained and qualified person and number of research collaboration;
- h. Improved service diversification;
- i. Enhanced education efficiency rate and academic atmosphere;
- j. Reduced length of study;
- k. Strengthened entrepreneurial education management of vocational education;
- l. Innovated vocational learning;
- m. Internationally-accredited study program/institution.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 43,750,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (GoI) : US\$ 4,375,000
<hr/> Subtotal : US\$ 43,750,000	<hr/> Subtotal : US\$ 4,375,000
TOTAL : US\$ 48,125,000	

Development and Enhancement of Connectivity Security

Development of Land, Air, and Sea Transportation Facilities and Infrastructure

1. Project Title	: Development of Trans South–South Java Road Project Phase II
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 36 months
6. Location	: East Java Province

7. Objectives

- a. Improve accessibility and connectivity in the southern region of Java;
- b. Support economic growth in the southern region of Java;
- c. Support the equitable development in the southern region of Java.

8. Scope of Works

Construction of Trans South - South Java road on the following sections;

- a. Panggul - Craken - Munjungan – Prigi with a length of 44.02 km (Trenggalek Regency);
- b. Brumbun - P. Sine – Blitar with a length of 30.45 km (Tulungagung Regency);
- c. P. Serang - Sumbersih - Ringinrejo; Ringinrejo - Sp. Jolosutro - Bts. Malang Regency with a length of 31.83 km (Blitar Regency);
- d. Sendangbiru - Tamban - Bts. Lumajang with a length of 43.31 km (Malang Regency);
- e. Telepuk - Bago with a length of 26.38 km (Lumajang Regency);
- f. Sidodadi - Senenrejo - Bts. Kab. Banyuwangi with a length of 33.54 km.

9. Outputs

- a. The construction of Trans South - South Java road with a length of 209.53 km;
- b. Improve quality and capacity of roads and bridges to reduce travel times.

10. Outcomes

- a. Increase average growth of traffic to a minimum of 4 million by 2024;
- b. By 2024, 80% of the Trans South - South Java road corridor has been completed.

11. National Priorities in RPJMN 2020-2024

- a. Regional development for reducing inequality;
- b. Strengthening infrastructure for supporting economic development and basic services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 300,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 300,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 300,000,000	

1. Project Title	: Kalimantan Border Road Development Project
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 50 months
6. Location	: North Kalimantan Province and East Kalimantan Province

7. Objectives

The objective of the North Kalimantan component is to enhance connectivity in Indonesia's border region with Malaysia by developing reliable road access along the Malinau – Semamu – Long Midang and PLBN Post – Long Nawang – Long Metulang corridors. This development is expected to reduce vehicle operating costs, shorten travel times, and improve the movement of people and goods. Strengthened connectivity will support the integration of previously isolated and remote communities into the wider regional economy, linking them with key centers such as Malinau, Nunukan, Tanjung Selor, and Tarakan. In addition, improved road access is intended to enhance community welfare through better access to basic public services, particularly education and health.

The objective of the East Kalimantan component is to strengthen land transportation networks in the interior river-based settlements through the construction of the Long Bagun – Long Pahangai and Long Pahangai – Long Boh roads and bridges. The improved infrastructure aims to facilitate logistics flow, support local economic activities, and reduce the geographic isolation of inland communities. Enhanced connectivity is expected to promote more equitable regional development by enabling access to government services, health facilities, and education opportunities.

8. Scope of Works

- a. Civil Works for the construction and improvement of road and bridge infrastructure;
- b. Project Management Consultant (PMC) will support project planning, coordination, and overall implementation management;
- c. Project Supervision Consultant (PSC) will oversee construction activities to ensure quality, compliance, and progress monitoring.

9. Outputs

In North Kalimantan, the project outputs consists of Civil Works for the construction of roads and bridges totaling 202.16 km, which includes: (i) the Malinau – Semamu – Long Midang Road spanning 141.43 km, and (ii) the PLBN Post – Long Nawang – Long Metulang Road spanning 60.73 km. These road corridors are expected to strengthen connectivity in Indonesia's border areas with Malaysia by reducing vehicle operating costs, shortening travel times, and facilitating the movement of people and goods. Improved accessibility will help integrate previously remote regions into the economic network of North Kalimantan, particularly linking communities to key regional centers such as Malinau, Nunukan, Tanjung Selor, and Tarakan, while also enhancing access to education and health services. To support effective implementation and ensure compliance with technical standards, Consultancy Services will be provided through 2

(two) packages, consisting of 1 Project Management Consultant (PMC) and 1 Project Supervision Consultant (PSC).

In East Kalimantan, the project involves Civil Works for the construction of roads and bridges totaling 134.36 km, consisting of: (i) the Long Bagun – Long Pahangai Road and Bridges spanning 85.78 km with a total bridge length of 425 meters, and (ii) the Long Pahangai – Long Boh Road and Bridges spanning 48.58 km with a total bridge length of 265 meters. These works are intended to improve intra-regional connectivity and support economic development in remote interior areas of East Kalimantan. Similar to the North Kalimantan component, Consultancy Services will be provided through 2 (two) packages, namely 1 Project Management Consultant (PMC) for coordination and project management, and 1 Project Supervision Consultant (PSC) for overseeing construction progress and ensuring quality control in accordance with technical requirements.

10. Outcomes

- a. Improved Regional Connectivity through the availability of reliable road and bridge infrastructure linking remote and border communities to district and provincial centers.
- b. Reduced Travel Time and Transportation Costs, enabling more efficient movement of goods, services, and people.
- c. Enhanced Access to Public Services, particularly education, healthcare, and government support, contributing to improved social and economic welfare.

11. National Priorities in RPJMN 2025-2029

- a. Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.
- b. Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding <ul style="list-style-type: none"> - Loan North Kalimantan: <table style="margin-left: 20px;"> <tr> <td>US\$</td> <td style="text-align: right;">442.933.000</td> </tr> </table> - Loan East Kalimantan: <table style="margin-left: 20px;"> <tr> <td>US\$</td> <td style="text-align: right;">479.323.000</td> </tr> </table> 	US\$	442.933.000	US\$	479.323.000	<ul style="list-style-type: none"> ● Counterpart Funding <ul style="list-style-type: none"> - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0 		
US\$	442.933.000						
US\$	479.323.000						
<table style="width: 100%;"> <tr> <td style="width: 100px;">Subtotal</td> <td style="width: 50px;">: US\$</td> <td style="text-align: right;">922.256.000</td> </tr> </table>	Subtotal	: US\$	922.256.000	<table style="width: 100%;"> <tr> <td style="width: 100px;">Subtotal</td> <td style="width: 50px;">: US\$</td> <td style="text-align: right;">0</td> </tr> </table>	Subtotal	: US\$	0
Subtotal	: US\$	922.256.000					
Subtotal	: US\$	0					
TOTAL : US\$ 922.256.000							

1. Project Title	: Development of Trans South–South Java Road Project Phase III (TRSS Phase III)
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 60 months
6. Location	: East Java Province (Blitar Regency, Lumajang Regency, Malang Regency, and Trenggalek Regency)

7. Objectives

- a. Improve accessibility and connectivity in the southern region of Java;
- b. Support economic growth in the southern region of Java;
- c. Support the equitable development in the Southern region of Java;
- d. Improve of basic infrastructure services to all segments of society.

8. Scope of Works

- a. Development of Trans South-South Java Road divided into 7 (seven) packages as follows:
 - Panggul – Craken;
 - Munjungan – Prigi;
 - Summersih – Ringinrejo;
 - Ringinrejo – Sp. Jolosutro;
 - Sp. Jolosutro – Bts. Kab. Malang;
 - Sendang Biru – Tamban – Bts. Lumajang;
 - Bts. Lumajang – Telepuk – Bago.
- b. Consultant activities consist of 2 (two) packages, including: Project Management Consultant (PMC) and Project Supervision Consultant (PSC).

9. Outputs

- a. A bridge with a length of 2.786,33 meters;
- b. A total of national roads with a length of 135,197 km.

10. Outcomes

- a. To increase capacity and safety on the Trans South – South Java Road in the Southern region of Java;
- b. Completing and Connecting the Trans South – South Java Road in the Southern region of Java;
- c. To strengthen the capacity of the implementing agency.

11. National Priorities in RPJMN 2025-2029

- a. Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives;
- b. Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 496,635,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 496,635,000	Subtotal : US\$ 0
TOTAL : US\$ 496,635,000	

1. Project Title	: Toll Road Development in Sumatera Islands: Jambi–Rengat Section Phase I (Sp. Ness–Merlung)
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Directorate General of Highways, Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways, Ministry of Public Works
5. Duration	: 37 months
6. Location	: Jambi Province

7. Objectives

To provide some results of activity that consists of:

- a. To improve accessibility and connectivity in Sumatera Island, especially between Jambi and Pekanbaru;
- b. To support economic growth in Sumatera Island, especially between Jambi and Pekanbaru;
- c. To support equitable development in Sumatera Island, especially between Jambi and Pekanbaru;
- d. To reduce logistic cost in Sumatera Island, especially between Jambi and Pekanbaru.

8. Scope of Works

a. Construction:

- Construction of Section 1A: Sp. Ness – Cinto Kenang (Sta. 00+000 – Sta. 15+200);
- Construction of Section 1B: Sp. Ness - Cinto Kenang (Sta. 15+200 – Sta. 18+750);
- Construction of Section 2A: Cinto Kenang - Merlung (Sta. 18+750 – Sta. 43+000);
- Construction of Section 2B: Cinto Kenang - Merlung (Sta. 43+000 – Sta. 67+450).

b. Consultancy:

- Construction Supervision Consultant (CSC) for Stage 1: Sp. Ness – Cinto Kenang Section (Sta. 00+000 – Sta. 15+200) in Jambi Province Package;
- Construction Supervision Consultant (CSC) for Stage 1: Sp. Ness – Cinto Kenang Section (Sta. 15+200 – Sta. 43+000) in Jambi Province Package;
- Construction Supervision Consultant (CSC) for Stage 1: Sp. Ness – Cinto Kenang Section (Sta. 43+000 – Sta. 67+450) in Jambi Province Package;
- Project Management Consultant (PMC) Stage 1: Sp. Ness – Merlung (Sta. 00+000 – Sta. 67+450) Package.

c. Study/Works Related to the Project:

- External Environmental and Social Monitoring Consultant (ESMC) for Stage 1: Sp. Ness – Merlung (Sta. 00+000 – Sta. 67+450 Package)*;
- Feasibility of Freeway and New Energy Integration Options (PPP study) Package*;
- Study on Wildlife Movement in the Vicinity of Phase 3 (Especially on Primates) and Estimate the Greenhouse Gas (GHG) Emission/Baseline Study of the Peatland in Phase 3 and the Restoration Plan Package*;
- Intelligent Toll Road System (ITS) Designs and Installations of Jambi – Rengat Toll Road (CCTV, Variable Message Sign (VMS), Weight-in-Motion (WIM), Bridge Sensors, and Animal Monitoring Function, etc.) Package*.

*Proposed activities/packages.

- d. Unallocated Budget (in order to anticipate cost escalation based on AIIB and IsDB recommendation/requirement as well as Detailed Engineering Design (DED) review).

9. Outputs

The availability of the Jambi – Rengat Toll Road Sp. Ness – Merlung Section with a total length of 67,45 km as well as availability of related study.

10. Outcomes

- a. Decreasing of travel time between Jambi and Pekanbaru;
- b. Improving the accessibility and mobility between regions in Sumatera Island, especially between Jambi and Pekanbaru;
- c. Strengthening the distribution of goods and services between regions in Sumatera Island, especially between Jambi and Pekanbaru.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

• Foreign Funding	• Counterpart Funding
- Loan : US\$ 1.624.371.000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 1.624.371.000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 1.624.371.000	

1. Project Title	: Development of Padang - Pekanbaru Toll Road
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 168 months
6. Location	: West Sumatera Province and Riau Province

7. Objectives

To provide some results of activity that consists of:

- a. To improve accessibility and connectivity in Sumatera Island, especially between Padang and Pekanbaru;
- b. To support economic growth in Sumatera Island, especially between Padang and Pekanbaru;
- c. To support equitable development in Sumatera Island, especially between Padang and Pekanbaru;
- d. To provide Engineering Services (E/S) that consists of:
 - Padang-Pekanbaru Toll Road Phase 1 (E/S);
 - Padang-Pekanbaru Toll Road Phase 2 (E/S).

8. Scope of Works

a. Construction:

Construction of Padang – Pekanbaru Toll Road Phase 1 (Tunnel Section) with a total length of $\pm 13,8$ km;

b. Engineering Services (E/S):

- Padang-Pekanbaru Toll Road Phase 1 (E/S):
 - 1) Providing Detailed Engineering Design (DED) document of Payakumbuh-Pangkalan Toll Road Section (Tunnel Section) and Tender Assistance;
 - 2) Providing review of Feasibility Study (FS), Basic Design (BD), Environmental Impact Assessment(EIA), and Land Acquisition Planning (DPPT) for tunnel section document of Payakumbuh-Sicincin Toll Road Section as associated facilities/adjacent link of Padang-Pekanbaru Toll Road Payakumbuh-Pangkalan Section.
- Padang-Pekanbaru Toll Road Phase 2 (E/S):

Providing Detailed Engineering Design (DED) document of Payakumbuh-Pangkalan Toll Road Section (Bridge and Earthwork Section) and Tender Assistance.

9. Outputs

The availability of Padang – Pekanbaru Toll Road Phase 1 (Tunnel Section) with a total length of $\pm 13,8$ km as well as availability of related Engineering Services (E/S) for Padang-Pekanbaru Toll Road Phase 1 and Padang - Pekanbaru Toll Road Phase 2.

10. Outcomes

a. Construction:

- Decreasing of travel time between Padang and Pekanbaru;
- Improving the accessibility and mobility between regions in Sumatera Island, especially between Padang and Pekanbaru;

- Strengthening the distribution of goods and services between regions in Sumatera Island, especially between Padang and Pekanbaru;
- b. Engineering Services (E/S):
- Padang-Pekanbaru Toll Road Phase 1 (E/S):
 - 1) DED document of Payakumbuh-Pangkalan Toll Road Section (Tunnel Section) as one of the readiness criteria documents required for the implementation of the construction of the Padang-Pekanbaru Toll Road Payakumbuh-Pangkalan Toll Road Section (Tunnel Section) and Tender Assistance;
 - 2) Review of FS, BD, EIA, and DPPT for tunnel section document of Payakumbuh-Sicincin Toll Road Section as one of the readiness criteria documents required for the implementation of the construction of the Payakumbuh-Sicincin Toll Road Section as associated facilities/adjacent link of Padang-Pekanbaru Toll Road Payakumbuh – Pangkalan Toll Road Section.
 - Padang-Pekanbaru Toll Road Phase 2 (E/S):

DED document of Payakumbuh-Pangkalan Toll Road Section (Bridge and Earthwork Section) as one of the readiness criteria documents required for the implementation of the construction of the Padang - Pekanbaru Toll Road Payakumbuh-Pangkalan Toll Road Section (Bridge and Earthwork Section) and Tender Assistance.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 1.340.092.000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
Subtotal : US\$ 1.340.092.000	Subtotal : US\$ 0
TOTAL : US\$ 1.340.092.000	

1. Project Title	: Kalimantan Missing Link Corridor Road Development Project
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 96 months
6. Location	: West Kalimantan Province and Central Kalimantan Province

7. Objectives

The objective of the West Kalimantan component is to improve local and regional connectivity along the Ela Hilir – Bts. Kalteng corridor and Merbau – Tebas corridor by providing reliable road access to support daily mobility, logistics flow, and social interaction among communities. The improved road infrastructure is expected to reduce travel time, increase transportation efficiency, and facilitate access to essential public services such as education, healthcare.

The objective of the Central Kalimantan component is to enhance transportation networks in remote inland areas by developing continuous road and bridge connectivity along the Tumbang Hiran – Tumbang Samba, Tumbang Sanamang – Tumbang Hiran, and Bts. Prov. Kalbar – Tumbang Sanamang corridors. This infrastructure is intended to improve access between rural settlements and regional centers, support the circulation of goods and services, and stimulate local economic activities.

8. Scope of Works

- Civil Works for the construction and improvement of road and bridge infrastructure;
- Project Management Consultant (PMC) will support project planning, coordination, and overall implementation management;
- Project Supervision Consultant (PSC) will oversee construction activities to ensure quality, compliance, and progress monitoring.

9. Outputs

In West Kalimantan, the project outputs includes Civil Works for the construction of 30.74 km of road, including: the Ela Hilir – Bts. Kalteng road (27.52 km) and the Merbau – Tebas road (3.22 km). The infrastructure aims to improve local connectivity and transportation efficiency. This development is expected to support the movement of goods and people within the region, enhance access to public services, and contribute to economic activities in surrounding communities. To ensure effective implementation and quality control, Consultancy Services will be provided through 2 (two) packages for each road construction project, consisting of 1 Project Management Consultant (PMC) for project coordination and management, and 1 Construction Supervision Consultant (CSC) for field supervision, quality assurance, and compliance with technical standards.

In Central Kalimantan, the project comprises Civil Works for the construction of 174.51 km of roads and bridges, including: the Tumbang Hiran – Tumbang Samba road (40.61 km), the Tumbang Sanamang – Tumbang Hiran road (43.4 km), and the Bts. Prov. Kalbar – Tumbang Sanamang road and bridges (90.5 km with 1,715.2 meters of bridges). This infrastructure aims to improve connectivity across remote and inland areas, facilitate access to economic centers, and

support local socio-economic development. Implementation quality and performance monitoring will be ensured through 2 (two) Consultancy Service packages, consisting of 1 Project Management Consultant (PMC) and 1 Construction Supervision Consultant (CSC) responsible for construction oversight and adherence to technical specifications.

10. Outcomes

- a. Strengthened connectivity, allowing communities in remote and rural areas to be more easily linked with administrative, commercial, and social activity hubs.
- b. More reliable and safer transportation routes, supporting smoother movement of people and goods, and helping reduce delays, fuel usage, and overall travel burdens.
- c. Greater opportunities for local economic participation, as improved access encourages market interaction, mobility of labor, and the circulation of essential goods and public services such as education and healthcare.

11. National Priorities in RPJMN 2025-2029

- a. Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.
- b. Developing from Villages and the Grassroots for Economic Growth, Economic Equity, and Poverty Eradication.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding <ul style="list-style-type: none"> - Loan West Kalimantan: <table style="margin-left: 20px;"> <tr> <td>US\$</td> <td style="text-align: right;">32.750.000</td> </tr> </table> - Loan Central Kalimantan: <table style="margin-left: 20px;"> <tr> <td>US\$</td> <td style="text-align: right;">294.430.000</td> </tr> </table> 	US\$	32.750.000	US\$	294.430.000	<ul style="list-style-type: none"> ● Counterpart Funding <table style="margin-left: 20px;"> <tr> <td>- Central Government</td> <td>: US\$</td> <td style="text-align: right;">0</td> </tr> <tr> <td>- Regional Government</td> <td>: US\$</td> <td style="text-align: right;">0</td> </tr> <tr> <td>- State-Owned Enterprise</td> <td>: US\$</td> <td style="text-align: right;">0</td> </tr> <tr> <td>- Others</td> <td>: US\$</td> <td style="text-align: right;">0</td> </tr> <tr> <td colspan="2"><hr/></td> <td></td> </tr> <tr> <td>Subtotal</td> <td>: US\$</td> <td style="text-align: right;">0</td> </tr> </table> 	- Central Government	: US\$	0	- Regional Government	: US\$	0	- State-Owned Enterprise	: US\$	0	- Others	: US\$	0	<hr/>			Subtotal	: US\$	0
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US\$	294.430.000																						
- Central Government	: US\$	0																					
- Regional Government	: US\$	0																					
- State-Owned Enterprise	: US\$	0																					
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<table style="width: 100%;"> <tr> <td style="border-top: 1px solid black;">Subtotal</td> <td style="border-top: 1px solid black;">: US\$</td> <td style="border-top: 1px solid black; text-align: right;">327.180.000</td> </tr> </table>	Subtotal	: US\$	327.180.000																				
Subtotal	: US\$	327.180.000																					
TOTAL : US\$ 327.180.000																							

Improvement of Land, Air, and Sea Transportation Safety

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1. **Project Title** : **Strengthening Flight Information Region and Development of Aviation Meteorology Services (STR-FIR)**
 2. **Program Title** : Development and Enhancement of Connectivity Security
 3. **Executing Agency** : The Agency for Meteorology, Climatology and Geophysics of the Republic of Indonesia (BMKG)
 4. **Implementing Agency** : The Agency for Meteorology, Climatology and Geophysics of the Republic of Indonesia (BMKG)
 5. **Duration** : 38 months
 6. **Location** : 14 Locations, including: 1) North Sumatera, Tapanuli Utara; 2) Riau, Pekanbaru; 3) Central Java, Semarang; 4) East Java, Sidoarjo; 5) West Nusa Tenggara, Lombok; 6) East Kalimantan, Balikpapan; 7) East Kalimantan, Samarinda; 8) North Sulawesi, Manado; 9) West Sulawesi, Mamuju; 10) Central Sulawesi, Palu; 11) Maluku, Ambon; 12) Papua, Biak; 13) Central Papua, Timika; 14) South Papua, Merauke.
-

7. Objectives

To develop and enhance aviation meteorology services within Indonesia's Flight Information Region (FIR) in order to improve flight safety, regularity, and operational efficiency. This objective also aims to modernize the capabilities for monitoring and forecasting the dispersion of volcanic ash and other significant meteorological phenomena, thereby preventing aviation accidents caused by adverse weather conditions.

The project further seeks to expand the scope and quality of aviation weather information services at major airports, increase support for the safety of the aviation sector, and contribute to improved service delivery through the enhancement and densification of the national meteorological observation network.

8. Scope of Works

- a. Installation of Integrated Windshear Detection System (Dual Polarization Solid State X-Band Windshear Radar and Medium-range Windshear Lidar);
- b. Installation of AWOS Category III;
- c. Installation of Wind Profiler;
- d. Project Management;
- e. Capacity Building.

9. Outputs

- a. Enhancement of weather observation capacity at selected airports to strengthen Indonesia's Flight Information Region (FIR), through the installation of Category III AWOS (Automatic Weather Observing System) at eight (8) airports;
- b. Development of an Integrated Wind Shear Detection System, comprising X-Band Solid-State Dual Polarization Wind Shear Radar and Medium-Range Wind Shear LIDAR, to be installed at four (4) airports;
- c. Installation of Wind Profilers at two (2) airports;

- d. Capacity building for BMKG personnel, focusing on the long-term operation and maintenance of the systems, through high-quality training programs aimed at developing globally competitive expertise.

10. Outcomes

- a. The establishment of a safe, efficient, and orderly aviation system across the entire sovereign airspace of the Republic of Indonesia, supported by reliable and advanced meteorological information services.
- b. The realization of an air transportation system that contributes to national development, facilitating improved logistics efficiency and supporting the growth of the national economy.
- c. The achievement of equitable development and social justice by enhancing accessibility to remote and underserved regions (3T: frontier, outermost, and underdeveloped areas) that rely heavily on air transportation for connectivity.
- d. The strengthening of Indonesia's sovereignty and capacity in aviation meteorological services, enabling the country to exercise full authority over its Flight Information Region (FIR) and be internationally recognized by the International Civil Aviation Organization (ICAO) and the World Meteorological Organization (WMO) as a nation with globally compliant meteorological services.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and increasing Quality Employment, Encouraging Entrepreneurship, Developing the creative industry, and advancing agro-maritime industries in production centers through the active role of cooperatives

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 27,252,592 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 27,252,592	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 27,252,592	

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- | | |
|-------------------------------|--|
| 1. Project Title | : Enhancement of Indonesian Weather Radar Network for Extreme Weather Warning Capabilities (ERAWING) |
| 2. Program Title | : Development and Enhancement of Connectivity Security |
| 3. Executing Agency | : The Agency for Meteorology, Climatology and Geophysics of the Republic of Indonesia (BMKG) |
| 4. Implementing Agency | : The Agency for Meteorology, Climatology and Geophysics of the Republic of Indonesia (BMKG) |
| 5. Duration | : 36 Months |
| 6. Location | : (1) Special Capital Region of Jakarta, Central Jakarta; (2) Aceh, Banda Aceh; (3) Padang, West Sumatera; (4) Lampung, Lampung; (5) Manado, North Sulawesi; (6) Ambon, North Sulawesi; (7) Makassar, South Sulawesi; (8) Kerinci, Jambi; (9) Sukabumi, West Java; (10) Kabupaten Malang, East Java; (11) Labuhan Bajo, West Nusa Tenggara; (12) Mamuju, West Sulawesi; (13) Baubau, South East Sulawesi. |
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7. Objectives

- a. Enhancement of the weather radar observation network;
- b. Improvement of the capacity and quality of severe weather early warning information services.

8. Scope of Works

- a. Modernization of C-Band Weather Radars
Modernization of C-Band weather radars with more than 15 years of operational age at six (6) locations: Aceh (Banda Aceh), Padang (West Sumatera), Lampung (Lampung), Manado (North Sulawesi), Ambon (North Sulawesi), Makasar (South Sulawesi).
- b. Enhancement of Weather Radar Network Density
Enhancement of the weather radar network density through the installation of X-Band weather radars at six (6) locations: Kerinci, (Jambi), Sukabumi (West Java), Kabupaten Malang (East Java), Labuhan Bajo (West Nusa Tenggara), Mamuju (West Sulawesi), Baubau (South East Sulawesi).
- c. Development of an Integrated Weather Radar and Early Warning Information System
Development of an integrated weather radar and weather early warning information system through strengthening data processing systems and adding observation equipment to improve the accuracy of severe weather early warnings.
- d. Capacity Building of Human Resources
Capacity building of human resources in the field of weather radar, including radar systems, data processing, analysis and interpretation, as well as the development of weather radar data utilization.

9. Outputs

- a. Modernized and reliable C-Band weather radars equipped with the latest dual-polarization technology

- b. installed at six (6) locations, with the indicator of availability of integrated dual-polarization C-Band weather radar data within the radar data processing system;
- c. X-Band weather radars installed and operational at six (6) locations, with the indicator of availability of integrated dual-polarization X-Band weather radar data within the radar data processing system;
- d. Upgrading of hardware and software within the radar integration system to ensure more efficient and stable data processing in support of the weather early warning system, with indicators as follows:
 - Radar data processing time of less than 7 minutes,
 - Data availability exceeding 95% on average, and
 - Overall weather warning accuracy reaching 97%, as verified by observation data.
- e. Trained human resources in the operation, processing, analysis, and utilization of weather radar, with the indicator of development of new weather radar-based products.

10. Outcomes

- a. Enhancement of Indonesia’s weather radar network coverage from 56% to 73% of the total national;
- b. requirement and improvement observation capability;
- c. Improvement of the capacity and quality of severe weather early warning services;
- d. Improvement of weather early warning accuracy;
- e. Enhancement of the dissemination and accessibility of weather radar information.

11. National Priorities in RPJMN 2025-2029

Strengthening Harmonious Coexistence with Nature and Culture, as well as Enhancing Interfaith Tolerance to Achieve a Just and Prosperous Society.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 34,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 34,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 34,000,000	

1. Project Title	: Railway Crossing Improvement Project
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Highways
5. Duration	: 60 months
6. Location	: North Sumatra, West Sumatra, South Sumatra, Banten, West Java, Central Java, East Java Province

7. Objectives

The Railway Crossings Improvement Project has potential to improve the safety and comfort of national road users at railway crossings. This initiative aims to meet the need for a safe, well-managed, and standardized crossing system to reduce the risk of accidents and facilitate the flow of goods and services.

8. Scope of Works

Civil works: 38 flyover packages or non-level intersections and E/S for 20 intersection points.

9. Outputs

Civil works: 38 flyover packages or non-level intersections and E/S for 20 intersection points.

10. Outcomes

Improving the safety, efficiency and connectivity of the national transportation system, also increasing time travel and distribution which will impact inclusive and sustainable economic growth.

11. National Priorities in RPJMN 2025-2029

- a. Continuing Infrastructure Development and increasing Quality Employment, Encouraging Entrepreneurship, Developing the creative industry, and advancing agro-maritime industries in production centers through the active role of cooperatives;
- b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 172,950,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 172,950,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 172,950,000	

1. Project Title	: 9 Over-the-Horizon Radar (OTHR) Stations
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Indonesia Coast Guard
4. Implementing Agency	: Indonesia Coast Guard
5. Duration	: 36 months
6. Location	: Indonesia

7. Objectives

To safeguard the security and sovereignty of Indonesia's vast maritime territory, Bakamla RI requires a reliable early warning system capable of reaching areas beyond the coverage of conventional radar systems. Over-the-Horizon Radar (OTHR) offers a strategic solution to enhance maritime domain awareness, thanks to its ability to detect objects at distances of hundreds to thousands of kilometers beyond the line of sight. With this technology, Bakamla can monitor vessel activities in the Exclusive Economic Zone (EEZ) and other strategic waters in real time, without being fully dependent on costly and time-consuming physical patrols.

Maritime security threats are becoming increasingly complex, ranging from illegal fishing, smuggling, and human trafficking to the potential for inter-state conflict in border areas. The absence of long-range surveillance systems creates blind spots in critical areas, especially in waters beyond the reach of coastal surveillance radar, which is only effective up to several dozen kilometers from shore. OTHR, utilizing radio wave reflections from the ionosphere, enables early detection of foreign vessels and suspicious activities before they enter territorial waters or commit violations.

Operationally, the use of OTHR will significantly strengthen Bakamla's maritime security operations by integrating long-range surveillance with existing monitoring systems, such as the Automatic Identification System (AIS), satellites, and coastal radar. This integration will result in more comprehensive data collection, supporting faster and more accurate decision-making. Additionally, this technology can be integrated with command and control centers to accelerate interagency coordination in responding to maritime threats.

The need for OTHR is becoming increasingly urgent amid the rising geopolitical dynamics in the Indo-Pacific region, where Indonesia holds a strategic position along key international shipping lanes. Therefore, investment in long-range radar technology such as OTHR is not only a matter of modernizing defense equipment but also a crucial part of strengthening the national maritime security posture. With adequate policy and budgetary support, the implementation of OTHR by Bakamla will provide a significant leap forward in the surveillance and protection of Indonesia's vast and complex maritime domain.

8. Scope of Works

a. Preparation Stage:

- Complete documentation for the activity planning, including finalizing the OTHR specifications;
- Coordinate with all stakeholders, including prospective lending partners;
- Conduct joint appraisal with the prospective lending partners;
- Carry out negotiations with relevant stakeholders.

- b. Implementation Stage:
 - Carry out the procurement process in accordance with applicable regulations and agreements with the prospective lender;
 - Conduct inspections to ensure the quality of the procured equipment;
 - Provide training for the required human resources;
 - Conduct asset handover.
- c. Reporting Stage
 - Prepare the project completion report.

9. Outputs

- a. The availability of OTHR that meet the required specifications;
- b. An increased number of human resources with high competence in enhancing maritime security and safety; and
- c. 9 Over-the-Horizon Radar (OTHR) Stations.

10. Outcomes

- a. Increased fulfillment of Postur Optimum Bakamla RI Tahun 2025-2045;
- b. Increased value of Patrol Dimension within Indeks Keamanan Laut Nasional;
- c. Reduction in the number of law violations in Indonesian waters and jurisdictional areas;
- d. Increased effectiveness and response speed of maritime security operations; and
- e. Establishment of a modern, integrated, and adaptive maritime patrol posture.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 120,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
<hr/> Subtotal : US\$ 120,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 120,000,000	

1. Project Title	: N-219 Aircraft
2. Program Title	: Development and Enhancement of Connectivity Security
3. Executing Agency	: Indonesia Coast Guard
4. Implementing Agency	: Indonesia Coast Guard
5. Duration	: 48 months
6. Location	: Indonesia

7. Objectives

The primary objective of the procurement of N219 aircraft by Bakamla RI is to enhance aerial surveillance and patrol capabilities in order to safeguard national maritime security and safety. More specifically, this procurement aims to:

- a. Expand maritime surveillance coverage: N219 aircraft have a wider range and longer flight endurance compared to helicopters, making them effective for monitoring vast maritime areas;
- b. Support real-time maritime security operations, as N219 aircraft are equipped with sensors and maritime monitoring systems;
- c. Improve rapid response to maritime incidents: With early detection capabilities from the air, Bakamla can promptly deploy surface units or other resources to respond to potential threats or incidents at sea;
- d. Strengthen synergy among maritime security agencies.

8. Scope of Works

- a. Preparation phase
 - Complete documentation for the activity planning, including finalizing the specifications of the N219 aircraft;
 - Coordinate with all stakeholders, including prospective lending partners;
 - Conduct a joint appraisal with the prospective lending partner;
 - Conduct negotiations with relevant stakeholders.
- b. Implementation Phase
 - Carry out the procurement process in accordance with applicable regulations and agreements with the prospective lender;
 - Conduct inspections to ensure the quality of the procured items;
 - Provide training for the required human resources;
 - Conduct flight testing;
 - Execute asset handover.
3. Reporting Phase
 - Prepare the project completion report

9. Outputs

- a. Availability of N219 aircraft that meet the specified technical requirements;
- b. Increased number of human resources with high-level competencies in enhancing maritime security and safety.

10. Outcomes

- a. Increased fulfillment of Postur Optimum Bakamla RI Tahun 2025-2045;;
- b. Increased value of Patrol Dimension within Indeks Keamanan Laut Nasional;
- c. Reduction in the number of law violations in Indonesian waters and jurisdictional areas;
- d. Increased effectiveness and response speed of maritime security operations; and
- e. Establishment of a modern, integrated, and adaptive maritime patrol posture.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none">● Foreign Funding- Loan : US\$ 75,763,148- Grant : US\$ 0	<ul style="list-style-type: none">● Counterpart Funding- Central Government : US\$ 0- Regional Government : US\$ 0- State-Owned Enterprise : US\$ 0- Others : US\$ 0
<hr/> Subtotal : US\$ 75,763,148	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 75,763,148	

Central Level Health Services

Improvement of Hospital Facilities and Infrastructure

1. Project Title	: Upgrading Medical Equipment and Support for Army Hospitals
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Defense
4. Implementing Agency	: a. Ministry of Defense b. Indonesian Army
5. Duration	: 36 months
6. Location	: Nationwide

7. Objectives

To improve health care services and to upgrade supporting facilities and services for the hospital.

8. Scope of Works

- a. Procurement and instalment of medical equipment;
- b. Training for operating of medical equipments;
- c. Training for maintenance of medical equipment and hospital system development.

9. Outputs

Procurement medical equipments and supporting facilities for 14 army hospitals:

- a. Procurement of Medical Equipment for Army Hospital dr. AK. Gani Palembang;
- b. Procurement of Medical Equipment and Supporting Facilities for Army Hospital Salak-Bogor;
- c. Procurement of Medical Equipment and Supporting Facilities for Army Hospital Moh. Ridwan Meuraksa-Jakarta;
- d. Upgrading Medical Equipments for Army Hospital dr. R. Hardjanto;
- e. Upgrading Medical Equipments for Army Hospital Kartika Husada;
- f. Upgrading Medical Equipments for Army Hospital Prot. Dr. J. A. Latumeten Hospital;
- g. Upgrading Medical Equipments for Army Hospital Iskandar Muda;
- h. Procurement of Field Hospital for Kodam XVI Pattimura, Kodam XVII Cendrawasih, and Kodam XVIII Kasuari;
- i. Pharmaceutical Institute, Army Medical Center;
- j. Procurement of Medical Equipment and Supporting Facilities for Biomedical Institute, Army Medical Center;
- k. Procurement of Medical Equipment for Biology Vaccine Institute, Army Medical Center;
- l. Procurement of Medical Equipment and Supporting Facilities for Medical Equipment Institute, Army Medical Center;
- m. Procurement of Medical Equipment for Army Hospital Rumkit Tk. IV Gorontalo; and
- n. Procurement of Medical Equipment and Supporting Facilities for Army Hospital dr. Noesmir Baturaja.

10. Outcomes

- a. Improving the quality of hospital services;
- b. Improving public welfare; and
- c. Optimized effectiveness military operation conducted by Indonesian Army.

11. National Priorities in RPJMN 2020-2024

Stable political, legal, and security affairs, and transformation of public services.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	143,205,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	143,205,000	Subtotal	: US\$	0
TOTAL		: US\$ 143,205,000			

1. Project Title	: Upgrading Medical Equipment and Support for Navy Hospitals
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Defense
4. Implementing Agency	: a. Ministry of Defense b. Indonesian Navy
5. Duration	: 36 months
6. Location	: Nationwide

7. Objectives

To improve health care services and to upgrade supporting facilities and services for the hospital.

8. Scope of Works

- a. Procurement and instalment of medical equipment;
- b. Training for operating of medical equipments;
- c. Training for maintenance of medical equipment and hospital system development.

9. Outputs

Procurement medical equipments and supporting facilities for 6 navy hospitals:

- a. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Midiyato Suratani and Naval Hospital dr. Komang Makes-Belawan;
- b. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Mintoahardjo;
- c. Upgrading Medical Equipment and Supporting Facilities for Naval Hospital dr. Ilyas, Tarakan and Naval Hospital dr. R. Ghandi AT;
- d. Procurement of Field Hospital for Marine Corps Health Batallion;
- e. Procurement of Medical Equipment for Naval Hospital Teeth and Mouth R.E. Martadinata.

10. Outcomes

- d. Improving the quality of hospital services;
- e. Improving public welfare; and
- f. Optimized effectiveness military operation conducted by Indonesian Navy.

11. National Priorities in RPJMN 2020-2024

Stable political, legal, and security affairs, and transformation of public services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 55,358,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 55,358,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 55,358,000	

1. Project Title	: Upgrading Medical Equipment and Support for Air Force Hospitals
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Defense
4. Implementing Agency	: a. Ministry of Defense b. Indonesian Air Force
5. Duration	: 36 months
6. Location	: Nationwide

7. Objectives

To improve health care services and to upgrade supporting facilities and services for the hospital.

8. Scope of Works

- Procurement and instalment of medical equipment;
- Training for operating of medical equipments;
- Training for maintenance of medical equipment and hospital system development.

9. Outputs

Procurement medical equipments and supporting facilities for 7 air force hospitals:

- Improvement of Capabilities and Capacities Medical Services at Air Force Hospital dr. Kresno Manuhua-Biak;
- Improvement of Capabilities and Capacities Medical Service at Air Force Hospital dr. Hoediyono;
- Improvement of Capabilities and Capacities Medical Service at Air Force Hospital El Tari;
- Procurement of Field Hospital for Air Force;
- Improvement of Capabilities and Capacities Medical Service af RSAU dr. Efram Harsana.

10. Outcomes

- Improving the quality of hospital services;
- Improving public welfare; and
- Optimized effectiveness military operation conducted by Indonesian Air Force.

11. National Priorities in RPJMN 2020-2024

Stable political, legal, and security affairs, and transformation of public services.

12. Project Cost

● Foreign Funding	● Counterpart Funding
- Loan : US\$ 78,177,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others : US\$ 0
Subtotal : US\$ 78,177,000	Subtotal : US\$ 0
TOTAL : US\$ 78,177,000	

-
- 1. **Project Title** : Procurement of Medical Equipment for Ministry of Defense
 - 2. **Program Title** : Central Level Health Services
 - 3. **Executing Agency** : Ministry of Defense
 - 4. **Implementing Agency** : Ministry of Defense
 - 5. **Duration** : 24 months
 - 6. **Location** : DKI Jakarta
-

7. Objectives

- a. To improve medical equipment and supporting facilities;
- b. To improve health care service;
- c. To improve capacity in fight the Covid-19 pandemic and strengthening health facilities;
- d. To improve hospital classification.

8. Scope of Works

- a. Procurement and instalment of medical equipment;
- b. Training for operating of medical equipments;
- c. Training for maintenance of medical equipment and hospital system development.

9. Outputs

Support Indonesian Army to help the effects of natural disasters, evacuation and providing humanitarian assistance.

10. Outcomes

- a. Optimized effectiveness hospital services;
- b. Improving hospital quality;
- c. Improving public welfare.

11. National Priorities in RPJMN 2020-2024

Stable political, legal, and security affairs, and transformation of public services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 49,540,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 49,540,000	Subtotal : US\$ 0
TOTAL : US\$ 49,540,000	

1. Project Title	: Upgrading Medical Equipment and Support for Air Force Hospital Procurement of Medical Equipment for Military Health Center
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Defense
4. Implementing Agency	: a. Ministry of Defense b. Armed Forces Headquarters
5. Duration	: 24 months
6. Location	: Health Center of the Indonesia Armed Forces

7. Objectives

To improve health care services and to upgrade medical equipment and supporting facilities for Health Center of Indonesia Armed Forces.

8. Scope of Works

- a. Procurement and instalment of medical equipment;
- b. Training for operating of medical equipments;
- c. Training for maintenance of medical equipment and hospital system development.

9. Outputs

Procurement medical equipments and supporting facilities for Health Center of Indonesia Armed Forces.

10. Outcomes

Improving health care services in Health Center of Indonesia Armed Forces.

11. National Priorities in RPJMN 2020-2024

Stable political, legal, and security affairs, and transformation of public services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 5,980,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 5,980,000	Subtotal : US\$ 0
TOTAL : US\$ 5,980,000	

1. Project Title	: Development of the Center of Excellence in Tropical Herbal Medicine integrated with UNS Hospital
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Higher Education, Science and Technology
4. Implementing Agency	: University of Sebelas Maret
5. Duration	: 48 months
6. Location	: Surakarta, Jawa Tengah

7. Objectives

This project aims to enhance capacity, accessibility, competence, quality, and competitiveness in higher education through international-standard infrastructure, academic human resource development, and a modern curriculum adaptive to scientific advancements while preserving local cultural values. Strategic educational development, particularly in the fields of tropical herbal medicine and public health, supports regional progress and community welfare in Central Java. Strengthening distinctive disciplines establishes a Center of Excellence as a core competitive asset for Universitas Sebelas Maret. Revenue diversification via partnerships and asset empowerment reinforces the autonomy of PTN-BH status. The vision of a World-Class University is realized through a conducive academic environment and globally competitive, innovative graduates. Teaching Hospital and Biomedical Engineering UNS assets serve as a foundation for innovation, self-funded development, and substantive national contributions.

8. Scope of Works

a. Civil Work:

- Educational Facilities (Teaching Hospital and Biomedical Engineering Building);
- Infrastructure (The site development includes support buildings (powerhouse and pump house), road works, green landscapes with pedestrian paths, and perimeter fencing. Utility connections encompass plumbing for clean water, wastewater treatment (STP/IPAL) and fire hydrants; Electrical works cover main power systems, PLN supply, generators, MVMDP/LVMDP smart panels, transformers, outdoor lighting, and fiber optic cabling. Green infrastructure features integrated campus waste management, liquid waste recycling, and solar panel installation. These developments ensure sustainable, reliable, and environmentally compliant campus operations).

b. Equipment Procurement;

c. Furniture Procurement;

d. Consultancy Services (Feasibility Study, Masterplan, EIA & Andalalin, DEDC, IDC, PMSC);

e. Curriculum Development;

f. Capacity Building and Staff Development;

g. Project Management Unit (PMU).

9. Outputs

The following are the expected outputs of this project:

a. Physical Components:

- Civil Works:

- 1) Teaching Hospital (1 unit);
 - 2) Biomedical Engineering (1 unit);
 - 3) Infrastructure (1 Ls).
 - Equipment (1 Ls);
 - Furniture (1 Ls).
- b. Non-Physical Components:
- Curriculum Development (1 Ls);
 - Capacity Building and Staff Development (1 Ls).

10. Outcomes

The expected outcomes are as follows:

a. Quantitative

The targeted outcome of this initiative is the establishment of advanced infrastructure for the Teaching Hospital and Biomedical Engineering Building, seamlessly integrating a high-capacity clean water system, large-scale integrated wastewater treatment, high-power electrical transformation, extensive fiber optic network, substantial solar energy utilization, comprehensive campus waste management and recycling, as well as intelligent IoT systems—thereby ensuring operational reliability, safety, and international-standard efficiency.

b. Qualitative

- Institutional capacity, accessibility, and competitiveness are enhanced through international-standard infrastructure and an adaptive curriculum that preserves cultural values.
- A Center of Excellence is established; PTN-BH autonomy is achieved via revenue diversification and partnerships; the World-Class University vision is realized through innovative, globally competitive graduates and substantive societal contributions.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 47,712,480 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (GoI) : US\$ 1,781,794
<hr/> Subtotal : US\$ 47,712,480	<hr/> Subtotal : US\$ 1,781,794
TOTAL : US\$ 49,494,274	

1. Project Title	: Dr. Angka Nitisastro Teaching Hospital: Integrating Innovation Excellence and Medical Heritage to Build a Technology-Driven Healthcare Hub for Indonesia
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Higher Education, Science and Technology
4. Implementing Agency	: Institut Teknologi Sepuluh Nopember (ITS), Surabaya
5. Duration	: 48 months
6. Location	: East Java, Surabaya

7. Objectives

This project aims to provide educational hospital facilities with a strong basis in health technology development as well as professionalism in medical staff and medicine. It is expected that this hospital will become a hub for the development of medical technology and its development, especially for the eastern region of Indonesia. The specific objectives of this project include:

- a. To establish a strategic educational hospital for the down-streaming of research and medical Innovation results those meet the needs of industry, society, and government, particularly in the eastern region of Indonesia.
- b. To establish the transformation of ITS into an Entrepreneurial University through the integration of health education activities, applied research, and health technology development.
- c. To provide problem-solving based health learning facilities, where students, lecturers, and health industry partners work together to tackle real challenges.
- d. To Enhance the capacity of lecturers and researchers in the field of medicine at the Faculty of Health and Medicine, ITS.
- e. To develop a sustainable medical and health innovation ecosystem through the creation of a value chain from basic research to innovation, integrated into the curriculum and institutional strategies.

8. Scope of Works

- a. Development of hospital facilities to encourage collaboration between academia, industry, community, and government, including:
 - Hospital Development;
 - Providing complete supporting equipment to support excellent services;
 - Providing capacity building in the field of Health with a focus on technology development as a substitute for imports.
- b. Procurement of facilities and infrastructure to support downstream activities of research results, innovations in the medical and health fields.
- c. Development of human resources to encourage development and innovation in the medical and health fields.

9. Outputs

- a. The establishment of hospital facilities as a means of education as well as to encourage collaboration between academics, industry, community, and government.
- b. The availability of advanced supporting facilities and infrastructure for the development of medical, healthcare skills as a means of down-streaming research and innovation results in the field of medicine.
- c. The readiness of human resources to promote the development of medical and healthcare technology, particularly to support the goal of replacing imports.

10. Outcomes

- a. The formation of medical and health development is supported by innovations from ITS that contribute to the creation of technology-based educational hospitals derived from research and innovation results;
- b. Improvement in the quality and relevance of research and innovation results in the medical and health sector from ITS that can be commercialized and beneficial for industry, society, and government;
- c. Increased collaboration across sectors (quadruple helix) in the development of medical education in Indonesia.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	21,452,198	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others (Recurrent) : US\$	3,778,382
Subtotal : US\$	21,452,198	Subtotal : US\$	3,778,382
TOTAL : US\$	25,230,582		

1. Project Title	: UBB Education Quality Improvement Project for the Center of Excellence of Minerals, Rare Earths, Green Energy, and Mining Health in Sumatra
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Higher Education, Science and Technology
4. Implementing Agency	: Bangka Belitung University
5. Duration	: 48 months
6. Location	: Bangka, Bangka Belitung Islands

7. Objectives

This project is named "UBB Education Quality Improvement Project to Become a Center of Excellence for Rare Earth Associated Minerals, Green Mining Energy and Mining Area Health in Sumatra. Globalization and technological advances have facilitated global trade and investment that have transformed various industries. The proposed development projects include the construction of the Multipurposes STEM Center Building, the Rare Earth Associated Minerals and Green Mining Energy Laboratory Building, the Mining Area Health Research and Development Center, the Multipurposes STEM Center Building focuses on the development of Science, Technology, Engineering and Mathematics. The Rare Earth Associated Minerals and Green Mining Energy Laboratory Building will be a center of excellence for modern literacy and research related to Rare Earth Associated Minerals and Green Mining Energy. The Mining Area Health Research and Development Center will be a health facility that specifically handles various mining area diseases, providing consultation, examination, treatment and care services for diseases that are common in mining areas. This project is in line with national policies in the National Medium-Term Development Plan 2025 - 2029 and the Strategic Plan of the Ministry of Higher Education, Science and Technology. Based on the cost estimates that have been made, the total value of the financing needs for the implementation of the program/project is USD 37,919,254.66. The main financing needs of the project and considerations of sustainability and the need for rapid realization of the project program, financing will be submitted through funding sources of Foreign Loans and Grants (PHLN), and supporting financing comes from PNPB - BLU Universitas Bangka Belitung.

8. Scope of Works

- a. Civil Works: Rare Earth Associated Minerals and Green Mining Energy Laboratory Building, Multipurposes STEM Center Building, Mining Health and Environmental Research and Development Center Building;
- b. Educational Equipment: Procurement of equipment to support the teaching and learning process;
- c. Furniture: Procurement of furniture to furnish the new buildings;
- d. Curriculum Development: improvement of the curriculum to be relevant to the needs of industry and the digital age;
- e. Capacity Development of Lecturers and Education Personnel: Advanced training and education, such as degree programs (Doctoral and Master's) and non-degree programs (training and short courses);

- f. Consultancy Services: Planning/DED Consultancy Services, Project Supervision Management Consultancy Services;
- g. Project Management Unit (PMU): The formation of a Project Management Unit (PMU) or Project Implementation Unit (PIU) to carry out the day-to-day project activities.

9. Outputs

- a. Availability of a Rare Earth Associated Minerals and Green Mining Energy Laboratory Building;
- b. Availability of a Multipurposes STEM Center Building
- c. Availability of a Mining Health and Environmental Research and Development Center Building for Mining Areas;
- d. Availability of Curriculum Development and Capacity Development of Lecturers and Education Personnel;
- e. Availability of Educational Equipment and Furnitures.

10. Outcomes

- a. UBB becomes a leading university that is able to meet the learning needs of students with modern and complete facilities;
- b. Increasing the quality of learning and cross-field collaboration in STEM which has an impact on increasing the competence of graduates and the academic productivity of lecturers;
- c. The realization of a leading research ecosystem based on local mineral potential that encourages environmentally friendly technological innovation and strengthens the university's position in applied research;
- d. Increasing access, quality, and relevance of health services and research on mining area diseases which has an impact on improving the quality of life of academics and the community around the campus.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 34,161,490 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (Recurrent) : US\$ 3,757,763
<hr/> Subtotal : US\$ 34,161,490	<hr/> Subtotal : US\$ 3,757,763
TOTAL : US\$ 37,919,254	

1. Project Title	: The Upgrading of UNRAM Teaching Hospital as The Center of Excellence in Stem Cell Research and Regenerative Therapy in Eastern Indonesia
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Higher Education, Science and Technology
4. Implementing Agency	: University Of Mataram
5. Duration	: 48 months
6. Location	: University of Mataram Campus, 62 Majapahit Street, Mataram, West Nusa Tenggara, Indonesia

7. Objectives

To establish the Unram Stem Cell Technology Center and its teaching hospital as a key pillar for the NTB medical tourism sector, leveraging the region's existing tourist appeal.

8. Scope of Works

- a. Civil Works: Construction and Supporting Infrastructure;
- b. Equipment: Provision of essential teaching Hospital Equipment for its core operational units;
- c. Non-Physical Components: Curriculum Development and Human Resources Development;
- d. Project Management: project management team, coordination, as well as monitoring and evaluation.

9. Outputs

- a. Established Center: The creation of Unram's Stem Cell Technology Center;
- b. Regulatory Compliance: certification for commercial distribution and establishing operations as a research-based service;
- c. Teaching & Research Capacity: Integration of the technology into the University of Mataram (Unram), leveraging it as a leading teaching hospital in stem cell research and technology.

10. Outcomes

- a. Specialized Medical Services: Provision of Stem Cell Therapy targeting patients with chronic and debilitating conditions (stroke, diabetes, auto-immune diseases, heart conditions, chronic wounds, and osteoarthritis);
- b. Medical Education Support: A training platform related to stem cell therapy that actively supports PPDS specialist doctor trainees across various departments;
- c. Certified Personnel: The recruitment and certification of specialized laboratory personnel;
- d. The research laboratory generates 3 high-value medical products:
 - Stem Cells: Produced for therapeutic use, with a projected price of IDR 100-150 million per injection;
 - Secretome: Production of stem cell-derived growth factors, with a projected volume of 1,000 units per day and a selling price of Rp1.5 million per injection;
 - Exosome: A sub-category of secretome with a projected volume of 1,000 units per day and a selling price of Rp500.000,- per injection.
- e. Hospital Revenue Growth: Projected a significant increase and sustainable hospital revenue.

11. National Priorities in RPJMN 2025-2029

- a. Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities;
- b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	28,125,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	28,125,000	Subtotal	: US\$	0
TOTAL	: US\$	28,125,000			

1. Project Title	: RSAB Harapan Kita Building Construction Project and Area Arrangement of 3 Berlian Hospitals (i. RSAB Harapan Kita; ii. RSJPD Harapan Kita, dan iii. RS Kanker Dharmais)
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Health
4. Implementing Agency	: Directorate General of Health Services, Ministry of Health
5. Duration	: 60 months
6. Location	: Special Region of Jakarta

7. Objectives

- a. To become a superior hospital, especially for mothers, children, neonates and heart disease, which is not inferior to foreign services, both in terms of human resource competency, use of advanced technology and patient comfort. This is done in order to prevent patients from seeking treatment abroad so as to increase the country's foreign exchange.
- b. Supporting the hospital-based specialist doctor education program at 3 Berlian hospital.
- c. RSJPD Harapan Kita being a leading hospital in cardiovascular services, education, and research in Asia.
- d. Creation of an integrated health service area at 3 Berlian hospital in each service specialty. with green hospital concept.
- e. The arrangement of the 3 Berlian Hospital area in the form of integration between hospital will provide a comprehensive unified service and access to integrated services with more efficient time.

8. Scope of Works

- a. Infrastructure (civil works)
Construction of 20 floors RSAB Harapan Kita building and the arrangement of 3 Berlian hospital area.
- b. Medical equipment and furniture:
 - Medical equipment procurement, installation, operation, and maintenance; Research;
 - Medical machine and medical support equipment.
- c. Human capital investment (soft component):
 - Health and non-health human resource development;
 - Informal education and research;
 - Project Management.

9. Outputs

- a. Availability of RSAB Harapan Kita service building with 20 floors and 5 supporting buildings based on smart hospital and green hospital with an area of 141.688,1 m²;
- b. Integration of the 3 Berlian hospital area in 1 area;
- c. Availability of environmentally friendly and gender awareness connecting access between 3 Berlian hospital with 3 sky bridge;
- d. 200 human resources received training and education;
- e. 65% of the human resources who received training were women;

- f. 550 patients' hospital bed capacity;
- g. The percentage of fulfillment of facilities, infrastructure, and health equipment of UPT Vertical Hospital according to standards 90%;
- h. 15 research activities related to Maternal and Child Health;
- i. 2 accreditations of Ministry of Health Hospital and International Hospital;
- j. 4 service certification of ISO 90001 Standard Certification (Quality), ISO 22000:2018 (Food Safety), Green Hospital Standard and National IVF Standard (Melati Clinic);
- k. 100% availability of cardiovascular medical equipment at RSJPD Harapan Kita;
- l. The Door To Balloon Time (DTBD) percentage achieved is less than 90 minutes.

10. Outcomes

- a. Increase 10% of hospital-based specialist doctors at 3 Berlian Hospital;
- b. Increasing operating room and out-patient department service capacity by 80%;
- c. Increasing patients' hospital bed capacity by 80%;
- d. Decreasing Net Death Rate (NDR) by <2.5%;
- e. Decreasing referral patients rejection to RSAB Harapan Kita by 20%;
- f. Increasing success rate of Coronary Artery Bypass Graft (CABG) adult heart and Tetalogy of Fallot (TOF) pediatric heart surgery by 2%;
- g. Secondary malignancy (secondary cancer) in cancer cases is less than 2%.

11. National Priorities in RPJMN 2020-2024

- a. Improving quality and competitive human resources;
- b. Strengthening infrastructure to support economic development and basic services;
- c. Build the environment, improve disaster resilience and climate change.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 226,415,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 226,415,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 226,415,000	

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- 1. Project Title** : **Construction and Development of Hospitals to Improve Access and Quality of Services in order to Increase the Capacity of Government-Owned Teaching Hospitals**
- 2. Program Title** : Central Level Health Services
- 3. Executing Agency** : Ministry of Health
- 4. Implementing Agency** :
1. RSUP dr. I.G.N.G. Ngoerah;
 2. RSUPN Dr. Cipto Mangunkusumo Jakarta;
 3. RSUP Dr. Hasan Sadikin Bandung;
 4. RSUP Fatmawati Jakarta;
 5. RSUP Dr. M. Djamil Padang;
 5. RSUP Dr. Sardjito Yogyakarta;
 7. RSUP Dr. Mohammad Hoesin Palembang;
 3. RSUP Dr. Kariadi Semarang;
 9. RS Jiwa Dr. H. Marzoeqi Mahdi Bogor;
 10. RS Mata Cicendo Bandung;
 11. RS Ortopedi Prof. Dr. R.Soeharso Surakarta;
 12. RSUP Dr. Sitanala;
 13. RS Paru Dr. M.Goenawan Partowidigdo;
 14. RS Jiwa Dr. Radjiman Wediodiningrat;
 15. Rumah Sakit Universitas Airlangga (RS UNAIR);
 16. Rumah Sakit Universitas Diponegoro (RS UNDIP);
 17. RSUD Prof. Dr. Margono Soekarjo;
 18. RSUD Abdoel Wahab Sjahranie;
 19. RSUD Dr. Soedarso;
 20. RSUD Dr. Soetomo.
- 5. Duration** : 60 months
- 6. Location** : Denpasar, Jakarta, Bandung, Padang, Yogyakarta, Palembang, Semarang, Kota Bogor, Kab. Bogor, Surakarta (Solo), Tangerang, Malang, Surabaya, Banyumas, Samarinda, Pontianak
-

7. Objectives

- a. Enhancing the Capacity and Quality of Teaching Hospitals;
- b. Strengthening the Competence of Healthcare Human Resources;
- c. Transforming Teaching Hospitals into Smart Hospitals;
- d. Reducing the Number of Patients Seeking Medical Treatment Abroad.

8. Scope of Works

- a. Development of Physical Infrastructure;
- b. Provision of Medical Equipment and Digital Technology;
- c. Enhancement of Human Resources Capacity in the Health Sector;
- d. Implementation of Development based on each master plan established by the Decree of the Minister of Health of the Republic of Indonesia, supplemented by additional development master plans.

9. Outputs

- a. Availability of Teaching Hospitals and National Referral Hospitals with modern and digital-based facilities;
- b. Availability of Simulation Centers for training of doctors and medical specialists;
- c. Increased number of specialist and subspecialist graduates from Teaching Hospitals;
- d. Implementation of at least 12 specialist medical services in Teaching Hospitals and National Referral Hospital;
- e. Availability of at least 200 inpatient beds in Teaching Hospitals and National Referral Hospitals.

10. Outcomes

- a. Improved public access to high-quality healthcare services through Teaching Hospitals and National Referral Hospitals equipped with modern and digital-based facilities;
- b. Enhanced competence of medical personnel through Simulation Centers used for the training of doctors and medical specialists;
- c. Availability of more competent medical specialists with the increased number of specialist and subspecialist graduates from Teaching Hospitals;
- d. Improved coverage and quality of hospital healthcare services through the provision of at least 12 specialist medical services;
- e. Increased healthcare service capacity through the provision of at least 200 inpatient beds for patients in hospitals.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

● Foreign Funding		● Counterpart Funding	
- Loan : US\$	1,148,369,662	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others (BLU) : US\$	1,431,679,037
Subtotal :US\$	1,148,369,662	Subtotal : US\$	1,431,679,037
TOTAL :US\$	2,580,048,699		

1. Project Title	: Indonesia Supporting Tuberculosis Elimination Project
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Health
4. Implementing Agency	: Directorate General of Disease Control
5. Duration	: 60 months
6. Location	: National

7. Objectives

- a. Innovative TB diagnostics incorporated into all Puskesmas;
- b. Mass TB screening implemented in 20-25% of adult population each year.

8. Scope of Works

- a. Diagnose and notify 90% of the estimated annual TB cases and successfully treat 90% of these cases.

Component 1: Innovative TB Diagnostics at Primary Health-Care Centers Implementation and expansion of near point-of-care (POC) diagnostics

- Diagnostic equipment for primary care (near-POC) – (purchased through SOPHI, not included in this project);
 - Implementation of Near-POC testing;
 - Rapid Molecular Test (TCM) for drug-resistant TB testing;
 - Integrated logistics transportation system;
 - Implementation of CAD/AI image reading;
 - Use of digital technology: integrated TB programme information system (development, storage and system maintenance);
 - Introduction of a new TB vaccine.
- b. Screen 20-25% of the adult population each year for TB (44-55 million) and successfully treated 90% of the cases identified and started on treatment.

Component 2: Initial implementation and scale-up of integrated mass screening and Free Health Check-ups

- Support systems to boost participation in mass screening
 - 1) Public communication;
 - 2) Health-workforce readiness (capacity-building: training and certification, etc.).
- Strengthening evidence-based policy development
 - 1) Enhanced monitoring and evaluation of innovative interventions;
 - 2) Research-activity package for implementing innovative programmes.

Component 3: Project Management

9. Outputs

Output for Objective 1

- a. Digital x-ray with AI-reading used to screen 44-55 million adults (20-25% of adult population) each year;
- b. Digital x-ray with AI-reading used to evaluate 5 million symptomatic TB suspects seeking care at PHC level each year;

- c. Near-POC TB diagnostics used to test 4-5 million x-ray (+) TB suspects identified through mass TB screening and to test 1 million x-ray (+) symptomatic TB suspects seeking care at PHC level each year.

Outputs for Objective 2

- a. Mass TB screening program screens 44-55 million adults (20-25% of adult population) each year;
- b. Mechanism to ensure high treatment enrollment and successful treatment are implemented effectively;
- c. Implementation research studies carried out and results used to improve TB screening program.

10. Outcomes

- a. 1.3-1.4 million TB cases diagnosed and notified each year (900,000-1,000,000 through passive case-finding and 300,000-400,000 through mass screening);
- b. In screening program:
 - >95% of TB patients identified are placed on TB treatment;
 - 90% of TB patients placed on TB treatment are successfully treated.
- c. In routine program using passive case-finding:
 - 100% of TB patients identified are placed on TB treatment;
 - 90% of TB patients placed on TB treatment are successfully treated.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 211,160,750 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 1,220,000,000 - Others : US\$ 0
<hr/> Subtotal :US\$ 211,160,750	<hr/> Subtotal : US\$ 1,220,000,000
TOTAL :US\$ 1,431,160,750	

1. Project Title	: Indonesia Cervical Cancer Elimination Project
2. Program Title	: Central Level Health Services
3. Executing Agency	: Ministry of Health
4. Implementing Agency	: Directorate General of Disease Control
5. Duration	: 60 months
6. Location	: Indonesia (national)

7. Objectives

The objective of the proposed activity is to support the implementation of the National Action Plan for the Elimination of Cervical Cancer for the years 2023–2030 in achieving a reduction in the incidence of cervical cancer to 4 per 100,000 population.

8. Scope of Works

a. Immunization

Development and implementation of a new cohort plan

- Identification of new target cohort groups (20-year-old women);
- Catch-up immunization for:
 - 1) 12-year-old girls and boys (2027-2030);
 - 2) 15-year-old girls (2027);
 - 3) 21 to 25-year-old women (2027–2030).
- Piloting HPV immunization for 11-year-old boys by phased (2026-2030);
- Integration with screening and free annual health check (CKG) process flow;
- Integration of HPV immunization with school/university-based platforms and other integrated services, specific events, outreach, or entities capable of reaching target populations;
- Implementation of school-based immunization delivery models, immunization service posts, health care facilities, workplaces, and mobile or outdoor services.

Procurement of HPV vaccines

- Vaccine availability with buffer stock for each target group;
- Expansion of vaccination access points.

b. Early Detection

Screening

- Integration with the free annual health check (CKG) process flow;
- Utilization of diagnostic technology innovations with development and implementation of self-sampling methods.

Specimen Transport and Management

- Third-party courier services for specimen and logistics delivery to referral labs;
- Support for specimen collection and packaging costs;
- Support for specimen testing costs at referral labs.

c. Project Management

9. Outputs

- a. Implementation of immunization for 20-year-old women (cohort), catch-up immunization for 12-year-old girls and boys, 15-year-old girls, 21 to 25 year-old-women, and piloting HPV immunization for 11-year-old boys (by phased);
- b. Implementation of cervical cancer screening using the self-sampling method as an alternative solution to the barrier of low community participation.

10. Outcomes

- a. 90% of girls receive the HPV immunization at the age of 15 and 60% of 11-year-old boys in piloting area and 20-year-old women receive the HPV immunization;
- b. 75% of women aged 30–69 undergo screening using the HPV DNA method;
- c. 90% of women with precancerous lesions and invasive cancer receive treatment according to established procedures.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	558,795,897	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	818,948,225
		- Others : US\$	0
Subtotal :US\$	558,795,897	Subtotal : US\$	818,948,225
TOTAL :US\$	1,377,744,122		

Enhancement of Food and Pharmaceutical Safety Controlling

-
1. **Project Title** : **Transformation of the Drug and Food Surveillance System through the Strengthening and Digitalization of Laboratories, Vocational Education, Data and Information System Integration for Consumer Protection**
2. **Program Title** : Central Level Health Services
3. **Executing Agency** : Indonesian Food and Drug Authority
4. **Implementing Agency** : a. Indonesian Food and Drug Authority
b. Sekretariat Utama
5. **Duration** : 60 months
6. **Location** : a. Indicative location for development and revitalization of laboratory infrastructure:
1. BALAI POM di Kota Surakarta
 2. BALAI POM di Kota Tasikmalaya
 3. BALAI POM di Kabupaten Kediri
 4. BALAI POM di Kabupaten Banyumas
 5. BALAI POM di Kota Palopo
 6. BALAI POM di Kabupaten Bogor
 7. BALAI POM di Tarakan
 8. BALAI POM di Kota Dumai
 9. BALAI POM di Kota Baubau
 10. LOKA POM di Kota Lubuklinggau
 11. LOKA POM di Kabupaten Mimika
 12. BALAI POM di Kabupaten Ende
 13. LOKA POM di Kabupaten Kepulauan Tanimbar
 14. LOKA POM di Kabupaten Pulau Morotai
 15. LOKA POM di Aceh Tengah
 16. LOKA POM di Kota Tanjungbalai
 17. BALAI POM di Kota Payakumbuh
 18. BALAI POM di Kabupaten Tulangbawang
 19. LOKA POM di Kabupaten Sanggau
 20. LOKA POM di Kabupaten Kotawaringin Barat
 21. BALAI POM di Kabupaten Tabalong
 22. LOKA POM di Kota Balikpapan
 23. LOKA POM di Kabupaten Kepulauan Sangihe
 24. LOKA POM di Kabupaten Banggai
 25. LOKA POM di Kabupaten Buleleng
 26. LOKA POM di Kabupaten Bima
 27. LOKA POM di Kabupaten Rejang Lebong
 28. LOKA POM di Kota Tanjungpinang
 29. LOKA POM di Kabupaten Belitung
 30. LOKA POM di Kabupaten Sorong
 31. LOKA POM di Aceh Selatan
 32. LOKA POM di Kabupaten Toba Samosir
 33. LOKA POM di Kabupaten Dharmasraya (Sijunjung)
 34. BALAI POM di Kabupaten Indragiri Hulu
-

-
35. LOKA POM di Kabupaten Tanah Bumbu
 36. LOKA POM di Kabupaten Manggarai Barat
 37. LOKA POM di Kabupaten Bungo
 38. LOKA POM di Kabupaten Belu
 39. LOKA POM di Sumba Timur
 40. LOKA POM di Kabupaten Sambas
- b. National Center for Drug and Food Testing Development: Revitalization of the National Drug and Food Testing Development Laboratory (PPPOMN).
-

7. Objectives

- a. To enhance the capacity, resilience, and equitable distribution of drug and food control laboratories across Indonesia through infrastructure revitalization and modernization of testing equipment at both national and subnational levels;
- b. To establish a nationally integrated digital surveillance system by implementing a Laboratory Information Management System (LIMS) and robotic-based automation to support rapid, accurate, and real-time testing;
- c. To implement the Green Laboratory (Green Lab) concept that is energy-efficient, environmentally sustainable, and climate-responsive, in line with the national agenda for carbon emission reduction in the health sector;
- d. To support the attainment of WHO Global Benchmarking Tool (GBT) maturity level 3 through regulatory reform, institutional governance strengthening, and harmonization of national surveillance systems with international standards;
- e. To contribute to the achievement of national priority and presidential programs in health and food security, including the quality assurance of anti-tuberculosis (anti-TB) medicines and food safety for the implementation of the Free Nutritious Meals (Makan Bergizi Gratis/MBG) program.

8. Scope of Works

- a. Conduct revitalization and construction of national and subnational drug and food control laboratories, including the expansion of testing capacity in microbiology, chemistry, molecular biology, and pharmaceutical analysis, in alignment with WHO Global Benchmarking Tool (GBT) maturity level 3 standards. The newly developed laboratories will also be directed to support the achievement of national priority programs, particularly in ensuring the quality of anti-tuberculosis (anti-TB) medicines and food safety for the implementation of the Free Nutritious Meals (Makan Bergizi Gratis/MBG) program;
- b. Procure and modernize high-end laboratory equipment, including Liquid Chromatography–Mass Spectrometry (LC-MS/MS), Polymerase Chain Reaction (PCR), Next Generation Sequencing (NGS), and other automated testing platforms to enhance testing accuracy and efficiency. These technologies will be used to strengthen surveillance of nationally strategic products, including essential medicines for TB elimination and food products under MBG nutritional interventions;
- c. Develop and implement a nationally integrated digital surveillance system, utilizing a Laboratory Information Management System (LIMS) and robotic testing technologies to enable rapid, accurate, and real-time testing, interoperable with national platforms such as SATUSEHAT and other cross-sectoral systems;

- d. Apply the Green Laboratory (Green Lab) concept in 7 priority laboratories through energy-efficient infrastructure, laboratory waste management, low-emission HVAC systems, and digital monitoring of resource consumption, contributing to the national agenda for carbon emission reduction in the health sector;
- e. Formulate and harmonize internal regulatory frameworks for Indonesia FDA surveillance, in support of WHO GBT maturity level 3 compliance, including standardization of testing methodologies, strengthening of laboratory quality management systems, institutional governance reforms, and utilization of surveillance data for risk-based decision-making.

9. Outputs

- a. Construction and/or revitalization of 40 national and regional drug and food control laboratories with high-end equipment;
- b. Installation of a national Laboratory Information Management System (LIMS) integrated with robotic technologies for automated pre-market and post-market testing and reporting;
- c. Implementation of the Green Laboratory concept in 7 priority laboratories, achieving a minimum of 30% energy efficiency and 40% water consumption reduction;
- d. Sustainable the strengthening of the human resources capacity of Food and Drug Authority;
- e. Formulation and enforcement of new internal regulations that strengthen Indonesia FDA's data-and risk-based surveillance framework.

10. Outcomes

- a. Increasing the effectiveness of drug and food control through strengthening product quality and safety assurance in the market;
- b. Strengthening the capacity of the BPOM laboratory to support drug and food surveillance and control;
- c. The qualified and competent human resources capacity of BPOM;
- d. New internal regulations based on data and sustainability principles are formulated and enforced.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 218,950,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 218,950,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 218,950,000	

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1. **Project Title** : **Integrated National Quarantine: Biosecurity and Traceability System**
 2. **Program Title** : Central Level Health Services
 3. **Executing Agency** : Indonesian Quarantine Authority (IQA)
 4. **Implementing Agency** :
 - a. Deputy of Animal Quarantine
 - b. Deputy of Fish Quarantine
 - c. Deputy of Plant Quarantine
 - d. Center of Human Resource Development for Animal, Fish and Plant Quarantine
 - e. Bureau of Human Resource Organization
 - f. Center of Data and Information Systems
 - g. Center of Animal, Fish and Plant Quarantine Standards Testing
 - h. Animal, Fish, and Plant Quarantine Application, Techniques, and Methods Testing Center
 - i. Main Center of Implementation for Animal, Fish, Plant Quarantine
 - j. Center of Implementation for Animal, Fish, Plant Quarantine
 5. **Duration** : 60 Months
 6. **Location** : National (All of Head Office and Technical Implementation Units for Animal, Fish, and Plant Quarantine under Indonesia Quarantine Authority (IQA))
-

7. Objectives

- a. Develop an integrated health, safety, and quality assurance traceability system based on a one health approach to support the implementation of national biosecurity, biosafety, and biodefense, biodiversity, and the one health approach as well as the competitiveness of national products in accordance with national regulations and policies;
- b. Increasing the potential for state revenue through Non-Tax State Revenue (PNBP) at the Indonesian Quarantine Authority through the integration of food safety systems and national integrated traceability systems;
- c. Support digital transformation in the food safety monitoring and assurance system, as well as an integrated traceability system;
- d. Increasing transparency, effectiveness, and efficiency in resource management, coordinated response, procurement and service processes that comply with regulations;
- e. Strengthen the institutions and infrastructure of the Indonesian Quarantine Authority by providing strategic infrastructure and STRONG quarantine services (Competent, Superior, Trustworthy, and Resilient);
- f. Improve the quality of human resources to realize world-class quarantine that provides excellent services.

8. Scope of Works

- a. The development of a quarantine traceability system for commodities as the object of quarantine actions to ensure the documentation of supply chains and the origin of media that carry HPHK (Quarantine Animal Pests and Diseases), HPIK (Quarantine Fish Pests and

- Diseases), OPTK (Quarantine Plant Pest Organisms) of food and feed digitally based on information technology;
- b. Construction of an integrated quarantine installation between technical implementing units equipped with digital information technology that can be connected to information with stakeholders and users of quarantine services for the implementation of the one health approach;
 - c. Improvement and development of both national and international standardized laboratory testing services and facilities in accordance with government policies which related to quality assurance and safety of food, feed, health assurance of animal commodities, fish and plants and their derivative products and traceable;
 - d. Fulfillment of facilities and procurement of infrastructure in the form of hardware and software in creating a data center that is able to support the traceability system and integration of quarantine installations and zoonosis education based on the One Health Approach;
 - e. Capacity building of qualified human resources and personnel with national and international standards in supporting the implementation of food safety and digital-based integrated traceability systems;
 - f. The construction of infrastructure facilities to support quarantine action services in the form of office buildings, quarantine action facilities and supporting equipment.

9. Outputs

- a. Availability of quarantine traceability system for commodities as the object of quarantine action to ensure documentation of supply chain and origin of carrier media of HPHK (Quarantine Animal Pests and Diseases), HPIK (Quarantine Fish Pests and Diseases), OPTK (Quarantine Plant Pest Organisms) of food and feed digitally based on information technology. The entire supply chain of commodities is recorded in a database in real time and can be accessed by relevant stakeholders within 2025-2029;
- b. Availability of integrated quarantine installations between technical implementing units, equipped with digital information technology that can be connected in information with stakeholders and users of quarantine services. With a risk indicator of 0% deviation that is consistent for 5 years;
- c. Availability of national and international standard laboratory testing facilities in accordance with government policies related to quality assurance and food safety, feed, health assurance of animal, fish and plant commodities and their derivative products and traceable;
- d. Availability of infrastructure, hardware and software in developing a data center that is able to support the traceability system and integration of quarantine installations.
- e. Establishment of vocational education, assessment centers, regional training and one health hub, and another training center that support the food safety system and animal, fish, and plant quarantine traceability system as well as business actor compliance;
- f. Availability of infrastructure in supporting quarantine action services which can be realized with office buildings, quarantine action facilities and supporting equipment.

10. Outcomes

- a. The realization of a modern, transparent, and accountable quarantine supervision system that can increase the confidence of international trading partners in Indonesian commodities;

- b. Increasing the effectiveness of preventing the entry and spread of quarantine pests/diseases between countries and regions in Indonesia in accordance with national and international standards;
- c. The achievement of a guarantee of healthy and quality food safety for the community in supporting the government's program in fulfilling the quality of Makan Bergizi Gratis (MBG);
- d. The increasing competitiveness of Indonesian agricultural, livestock and plantation products in the global market and the acceptance of Indonesian export commodities can increase the country's foreign exchange;
- e. The formation of a good way of thinking in the management pattern of business actors in each supply chain process that has more value to support the increase in income.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 250,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 250,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 250,000,000	

Environmental Protection and Disaster Mitigation/Adaptation

Coastal Zone Protection

1. Project Title	: Indonesia Blue Economy for Coastal Livelihood (Blue Coast)
2. Program Title	: Environmental Protection and Disaster Mitigation/Adaptation
3. Executing Agency	: Ministry of Marine Affairs and Fisheries
4. Implementing Agency	: Directorate General of Marine Spatial Planning
5. Duration	: 48 months
6. Location	: 1. Aceh Province (Sabang) 2. Riau Island Province (Batam) 3. East Java Province (Batang & Demak) 4. Gorontalo Province (Pahuwato) 5. West Nusa Tenggara Province (Lombok) 6. East Nusa Tenggara Province (Sumba) 7. Papua Province (Biak)

7. Objectives

The objective of the project is to enhance the quality of coastal areas through integrated and comprehensive coastal village planning; to increase economic benefits by promoting the sustainable use of marine and fisheries resources; to support the conservation of coastal and small island ecosystem biodiversity; to encourage sustainable management of capture fisheries, aquaculture, and tourism; to improve community welfare through the empowerment of coastal and small-island communities; and to strengthen climate-change adaptation capacity in order to realize a sustainable blue economy.

8. Scope of Works

- a. Marine spatial planning integrated with relevant policies in selected locations;
- b. Procurement of goods, equipment, services, and infrastructure to support a sustainable marine and fisheries-based economy (including aquaculture, capture fisheries, post-harvest, logistics, and marine tourism);
- c. Procurement of goods, equipment, services, and infrastructure to support coastal resilience and biodiversity conservation;
- d. Capacity building to improve the livelihoods of coastal and small-island communities;
- e. Development of innovative financing mechanisms such as blue carbon, bonds, or other schemes, in collaboration with partners to support a sustainable blue economy;
- f. Project management and control (monitoring and evaluation).

9. Outputs

- a. Outreach: 96,800 persons receiving services (40% women/ 30% youth), 80,000 households reached, and 330,000 household members supported;
- b. 50,000 households trained in sustainable techniques;
- c. 600 communities trained in sustainable techniques;
- d. 300 communities introduced carbon-neutral/reduction technologies;
- e. 600 fishery extension staff receiving technical supported;
- f. 30 villages engaged in eco-tourism;
- g. 30 businesses trained in carbon off-set activities.

10. Outcomes

- a. Well-planned Coastal and marine areas, integrated, and protected biodiversity, to strengthen the sustainable management of coastal and small islands;
- b. Protected coastal ecosystems and environmentally sustained through targeted rehabilitation and revitalization efforts in support of blue-carbon management;
- c. Enhanced local economies and livelihoods reflected in increased income, expanded employment opportunities, and improved nutrition and food security;
- d. Increased and sustained capital flows to advance a resilient and sustainable blue economy;
- e. Strengthened governance and institutional capacity to ensure the long-term sustainability of blue-economy initiatives;
- f. Improved productivity and added value driven by climate-resilient, environmentally sustainable, and carbon-neutral technologies and practices;
Enhanced market performance, including better price premiums resulting from stronger integration of value chains.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 60,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 60,000,000	<hr/> Subtotal : US\$ 00
TOTAL : US\$ 60,000,000	

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1. **Project Title** : **Integrated Coast Protection in Selected Area**
 2. **Program Title** : Environmental Protection and Disaster Mitigation/Adaptation
 3. **Executing Agency** : Ministry of Public Works
 4. **Implementing Agency** : Directorate General of Water Resources, River Basin Organization of Sumatera I, River Basin Organization of Sumatera II, River Basin Organization of Sumatera IV, River Basin Organization of Citarum, River Basin Organization of Cimanuk Cisanggarung, River Basin Organization of Pemali Juana, River Basin Organization of Bengawan Solo, River Basin Organization of Nusa Tenggara I, River Basin Organization of Kalimantan V, River Basin Organization of Sulawesi I, River Basin Organization of Papua Barat, Satker National Capital Integrated Coastal Development (NCICD), MOPW, Technical Implementation Unit for Coastal Engineering
 5. **Duration** : 60 months
 6. **Location** : North Coast Protection:
 - a. East-West Indramayu, West Java;
 - b. Cirebon, West Java;
 - c. Demak, Central Java;
 - d. Pemasang, Central Java;
 - e. Pekalongan, Central Java;
 - f. Tuban, East Java;
 - g. North Coast Jakarta, DKI Jakarta.
 Outer Coasts and National Borders Protection:
 - a. We Island, Aceh;
 - b. Rupert Island, Rangsang Island, and Bengkalis Island, Riau;
 - c. Bunguran Island, Natuna, Kepulauan Riau;
 - d. Sebatik Island, Nunukan, North Kalimantan;
 - e. Miangas Island, North Sulawesi.
 Tourism Area:
 - a. Gili Air, West Nusa Tenggara;
 - b. Raja Ampat, Southwest Papua.
-

7. Objectives

Building coastal safety infrastructure on various critical beaches in Indonesia with the aim of protecting surrounding communities from the impacts of coastal abrasion and erosion, coastal degradation, tidal floods, sedimentation, and land subsidence.

8. Scope of Works

- a. Supervision for the Construction Protection Infrastructure and the Implementation of Nature-Based Solutions (Sand Nourishment and Mangrove Conservation);
- b. The construction of coastal protection measures projects;
- c. Implementation of Nature Based Solution (Sand Nourishment and mangrove conservation);
- d. Equipment Installation and Laboratory Revitalization for Technical Implementation Unit for Coastal Engineering.

9. Outputs

- a. Supervision for the Construction Protection Infrastructure and the Implementation of Nature-Based Solutions (Sand Nourishment and Mangrove Conservation);
- b. North Coast Guard
 - Coast Guard Infrastructure Development: 70,6 Km;
 - Application of non-structural/nature-based solutions: 1,3 million m3.
- c. Equipment Installation and Laboratory Revitalization of Coastal Engineering Center Topographic and Bathymetry Data Survey Equipment, Revitalization of Facilities and Infrastructure of Coastal Building Physical Model Test Laboratory and Revitalization of Facilities and Infrastructure of Soil Mechanics Laboratory.

10. Outcomes

- a. Supervision for the Construction Protection Infrastructure and the Implementation of Nature-Based Solutions (Sand Nourishment and Mangrove Conservation);
- b. The construction of coastal protection measures projects
 - Coast Guard Infrastructure: 1.659 ha;
 - Nature Based Solutions: 7 Area.
- c. Improved Facilities and Infrastructure for Technical Implementation Unit for Coastal Engineering Topographic and Bathymetry Data Survey Equipment, Revitalization of Facilities and Infrastructure of Coastal Building Physical Model Test Laboratory and Revitalization of Facilities and Infrastructure of Soil Mechanics Laboratory.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	350,000,000	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	350,000,000	Subtotal : US\$	0
TOTAL : US\$	350,000,000		

Flood Risk Management

1. Project Title	: Integrated Urban Flood Management Project in JABODETABEK Phase I
2. Program Title	: Environmental Protection and Disaster Mitigation/Adaptation
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: Directorate General of Water Resources
5. Duration	: 72 months
6. Location	: Lebong, Rejang Lebong and Kepahiang Regency, Bengkulu Province

7. Objectives

To mitigate the risk of flooding and reduce the impact of flooding in the JABODETABEK region and increase resilience to flood disasters at the government level to the community, so that it can contribute to economic stability and national development.

8. Scope of Works

a. Physical Structure & Flood Control:

- i. Infrastructure for flood control & runoff (retention pool, groundwater storage & ground water channel);
- ii. Rehabilitation/ Upgrade main flood control facility for DKI Jakarta are;
- iii. Rearranging and upgrading of main drainage area (outlet to Kali Bekasi) and drainage along the toll road junction (with jacking pipe channel or building the collector drain);
- iv. Kali Blencong Normalization± 3.5 Km from BKT to Kali Pisang Batu;
- v. Integrated Operation Center - IOC;
- vi. Early Flood Warning Systems.

b. Consultation:

- i. Detail Design;
- ii. Supervisions;
- iii. SOP Review for infrastructures;
- iv. Flood Hazard Map, Effective Communication System, Time series Action;
- v. Workshop/Knowledge Sharing.

9. Outputs

a. Structural Mitigation

- i. Runoff Controlling Facilitation with a total capacity of 3 million m³ (utilization of Situ, Lake, Embung, Reservoir- SDEW as a control pool. Underground storage around 500,000 m³ in the center of DKI Jakarta, Bekasi or Tangerang);
- ii. Rehabilitation / Improvement of the main flood control facilities for the DKI Jakarta area;
- iii. Structuring and Improvement of the Area's Main Drainage (drainage outlet leading to Bekasi River) and drainage along the toll road crossing (channel with Jacking Pipe or making a collector drain);
- iv. Normalization of Blencong River± 3.5 Km from KBT until the meeting of Kali Pisang Batu;
- v. Integrated Control Center (Integrated Operation Center - IOC). for pumps and sluice gates by PUPR / DKI Jakarta Provincial Government / City Government (preparation

of control rules for all facilities and construction of Control Centers for Regional Governments (DKI Provincial Government, West Java Provincial Government, Banten Provincial Government) and Central Government (Directorate General of Water Resources , Ministry of Public Works and Housing; BBWS Ciliwung Cisadane)

- vi. Development of a flood early warning system;
- vii. Data center and integrated flood disaster data & information center.
- b. Non-Structural Mitigation:
 - i. Detail Design;
 - ii. Supervisions;
 - iii. SOP Review for infrastructure;
 - iv. Flood Hazard Map, Effective Communication System, Time series Action;
 - v. Workshop/Knowledge Sharing.

10. Outcomes

- a. Reducing JABODETABEK flood risk;
- b. Increased resilience and preparedness for floods.

11. National Priorities in RPJMN 2020-2024

- a. Strengthening economic resilience for quality and equitable growth;
- b. Strengthening infrastructure to support economic development and basic services;
- c. Developing the environment, enhancing disaster resilience and climate change.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 95,318,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 95,318,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 95,318,000	

1. Project Title	: Integrated Urban Flood Management in JABODETABEK Phase II
2. Program Title	: Environmental Protection and Disaster Mitigation/Adaptation
3. Executing Agency	: Ministry of Public Works
4. Implementing Agency	: a. Directorate General of Water Resources; b. River Basin Organization of Ciliwung Cisadane.
5. Duration	: 60 months
6. Location	: DKI Jakarta, West Java, Banten

7. Objectives

To reduce the damage following the extreme flood in JABODETABEK in 2020 and 2025 by implementing comprehensive flood control measures and contributing to sustainable economic and industrial development in the region.

8. Scope of Works

The construction of flood control measures projects, including the supervision, such as: Sluice Gate, Retention Pond, Water Pump, Normalization, Riverbed dredging, Underground Channel, Water Pipe Bridge, Separation Levee, Diversion weir, FEWS, Spillway Recommendations on the coastal protection, Review of the SOPs (Standard operation procedures) of major existing flood control facilities, and Technical Transfer.

9. Outputs

Bekasi - Cikeas - Cileungsi

- a. Retention Pond: 8 unit total capacity of 6,083 million m³;
- b. Water Pump, Sluice gates, and spillway in each retention pond.

Sabi River

- c. River Normalization: 300 m;
- d. Sluice Gate: 1 unit;
- e. Regulation Pond: 2 unit, capacity of 305.000 m³;
- f. Water Pump: 40 m³/s;
- g. Water Pipe Bridge: 30 m.

Cakung Drain

- h. Water Pump: 3 unit, in capacity 50 m³/s, 30m³/s,20 m³/s;
- i. Riverbed dredging with estimated excavation: 820.000 m³.

Non-Structural Measures

- j. AWLR: 30 gauges;
- k. FEWS.

10. Outcomes

Bekasi - Cikeas - Cileungsi

- a. Reduction of flooding area: 940 Ha;
- b. Loss impact reduction: 3,140 T/year.

Sabi River

- c. Reduction of flooding area: 790 Ha;
- d. Loss impact reduction: 496 M /house.

Cakung Drain

- e. Reduction of flooding area: 600 Ha;
- f. Loss impact reduction: 5,339 T /year.

Non-Structural Measures

- g. AWLR: 30 gauges;
- h. FEWS.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	450,000,000	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	450,000,000	Subtotal : US\$	0
TOTAL : US\$	450,000,000		

-
- 1. Project Title** : **Flood Management in Selected Area to Support Food Security**
- 2. Program Title** : Environmental Protection and Disaster Mitigation/Adaptation
- 3. Executing Agency** : Ministry of Public Works
- 4. Implementing Agency** :
- a. Directorate General of Water Resources;
 - o. River Basin Organization for Sumatera I Banda Aceh;
 - c. River Basin Organization for Sumatera II Medan;
 - d. River Basin Organization for Sumatera V Padang;
 - e. River Basin Organization for Sumatera VI Jambi;
 - f. River Basin Organization for Mesuji Sekampung;
 - g. River Basin Organization for Cidanau Ciujung Cidurian;
 - h. River Basin Organization for Citarum;
 - i. River Basin Organization for Serayu Opak;
 - l. River Basin Organization for Pemali Juana;
 - k. River Basin Organization for Bengawan Solo;
 - l. River Basin Organization for Brantas;
 - m. River Basin Organization for Bali Penida;
 - n. River Basin Organization for Nusa Tenggara I Mataram;
 - o. River Basin Organization for Kalimantan III Banjarmasin;
 - p. River Basin Organization for Pompengan Jeneberang;
 - q. River Basin Organization for Sulawesi IV Kendari;
 - r. River Basin Organization for Maluku Utara;
 - s. Technical Implementation Unit for Rivers;
 - t. Technical Implementation Unit for Hydrology and Water Environment;
- 5. Duration** : 60 months
- 6. Location** :
- a. Aceh: Pidie Jaya, Aceh Barat Daya
 - b. North Sumatera: Serdang Bedagai, Asahan, Tanjung Balai
 - c. West Sumatera: Solok Selatan, Padang, Padang Pariaman, Bukittinggi, Payakumbuh, Lima Puluh Kota, Solok
 - d. Jambi: Kerinci, Sungai Penuh
 - e. Lampung: Metro, Lampung Timur, Lampung Selatan
 - f. Banten: Lebak, Serang, Tangerang West Java :Subang, Indramayu, Bandung
 - g. Central Java: Kebumen, Cilacap, Banyumas, Purworejo, Semarang, Demak, Grobogan, Pekalongan
 - h. East Java: Pacitan, Lamongan, Tuban, Bojonegoro, Ngawi, Madiun, Sidoarjo, Pasuruan
 - i. Bali: Jembrana, Buleleng
 - j. West Nusa Tenggara: Bima
 - k. South Kalimantan: Hulu Sungai Selatan
 - l. South Sulawesi: Luwu, Luwu Utara
 - m. Southeast Sulawesi: Konawe
 - n. North Maluku: Halmahera Utara, Halmahera Timur
 - o. Balai Teknik Sungai: Sukoharjo, Central Java
 - p. Balai Hidrologi Lingkungan dan Keairan: Bandung, West Java
-

7. Objectives

To enhance flood resilience in priority areas to support food security, through the implementation of integrated flood management that combines both structural and non-structural measures.

8. Scope of Works

The construction of flood management infrastructure, such as the river normalization, retention pond, etc; Flood forecasting early warning system; Detailed Engineering Design; Environmental Impact Assessment and LARP; Construction of Pump Houses; Installation of Water Gates; Revitalization of Technical Implementation Unit for Rivers Laboratory Facilities; Revitalization of Technical Implementation Unit for Hydrology and Water Management.

9. Outputs

Flood control for 86,58 km; 8 units of Retention Pond; 17 Flood Forecasting Early Warning Systems; 10 Environmental Impact Assessment and LARP; 1 units of Pumps; 1 unit of Water Gates; Hydrometric survey and mapping equipment; Revitalization of facilities and infrastructure of the hydraulic model testing laboratory; Revitalization of facilities and infrastructure of the soil mechanics laboratory; Capacity building for laboratory assistant; Availability of a suitable Hydrology and Water Environment laboratory building; Availability of appropriate testing and calibration equipment for Hydrology and Water Quality Laboratory.

10. Outcomes

- a. The reduction in the size of the affected area from normalization and revetment is approximately 5,847 ha;
- b. The reduction in the size of the affected area from retention pond is approximately 178,56 ha;
- c. Installation 17 unit of FEWS;
- d. 10 Environmental Impact Assessment and LARP;
- e. Pump capacity as much as 20 Ha;
- f. 1 unit of Water Gates;
- g. Soil mechanics testing services, physical hydraulic model testing for rivers and applicable emergency response measures for flood disaster management;
- h. Increased laboratory capacity and increased testing and calibration laboratory services for the Center for Hydrology and Water Environment.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 300,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 300,000,000	Subtotal : US\$ 0
TOTAL : US\$ 300,000,000	

Disaster Mitigation/Adaptation

-
1. **Project Title** : **Volcanic Disaster Risk Reduction Sector Loan Phase 2**
 2. **Program Title** : Environmental Protection and Disaster Mitigation/Adaptation
 3. **Executing Agency** : Ministry of Public Works
 4. **Implementing Agency** :
 - a. Directorate General of Water Resources
 - b. River Basin Organization of Sumatera II
 - c. River Basin Organization of Sumatera V
 - d. River Basin Organization of Serayu Opak
 - e. River Basin Organization of Brantas
 - f. River Basin Organization of Bali Penida
 - g. River Basin Organization of Sulawesi I
 - h. Technical Implementation Unit for Sabo Dams
 5. **Duration** : 60 months
 6. **Location** :
 - a. Mt. Sinabung : Karo Regency, North Sumatera
 - b. Mt. Marapi : Tanah Datar Regency and Agam Regency, West Sumatera
 - c. Mt. Merapi : Sleman Regency, DI Yogyakarta
 - d. Mt. Semeru : Lumajang Regency, East Java
 - e. Mt. Kelud : Kediri Regency, East Java
 - f. Mt. Agung : Karang Asem Regency, Bali
 - g. Mt. Lokon : Tomohon Regency, North Sulawesi
 - h. Technical Implementation Unit for Sabo Dams, D.I. Yogyakarta
-

7. Objectives

Improve river systems to reduce the destructive force of water and the effects of debris floods and sediments.

8. Scope of Works

- a. Formulation of Detailed Design;
- b. Construction and rehabilitation of Sediment Control;
- c. Installation and Revitalization of Sabo Technical Implementing Unit (Syllabus, teaching materials/modules, construction of an outdoor hydraulics laboratory, dormitory rehabilitation, and laboratory equipment).

9. Outputs

- a. Formulation a Detailed Design: 7 documents;
- b. Construction and rehabilitation of Sediment Control of 88 unit;
- c. Installation and Revitalization of Sabo Technical Implementing Unit;
 - Laboratory Equipment for the Sabo Technical Center;
 - Revitalization of the Dormitory and Outdoor Hydraulics Laboratory of the Sabo Technical Center;
 - Preparation of syllabi and implementation plans, training materials/modules in the sabo, as well as training assessment and participant certification.

10. Outcomes

- a. Total of documents that is formulated are 7 documents;
- b. Control of sedimentary lava of approximately 4 million m3;
- c. Installation and Revitalization of Technical Implementation Unit for Sabo Dams.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

● Foreign Funding		● Counterpart Funding	
- Loan : US\$	200,000,000	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	200,000,000	Subtotal : US\$	0
TOTAL : US\$	200,000,000		

1. Project Title	: Development of Early Action for Disaster Risk Management Ecosystem in Indonesia
2. Program Title	: Environmental Protection and Disaster Mitigation/Adaptation
3. Executing Agency	: National Agency for Disaster Management (BNPb)
4. Implementing Agency	: a. Main Secretariat b. Center for Disaster Data Information and Communication
5. Duration	: 24 months
6. Location	: The project location is in DKI Jakarta Province (for BNPb HQ) and all provincial and cities in Indonesia (for BPbD)

7. Objectives

To increase the overall capacity of national focal points and local government to take early action decisions based on actual and real-time data, analyzed through advanced computational facilities and disseminated at the local level before a disaster happens.

8. Scope of Works

- a. Preparation includes the preparation of foreign loan documents and administrative practices for implementing activities;
- b. Implementation of activities, including developing infrastructure for early action decision support systems and capacity building of human resources at the national and regional levels and with the possibility of involving other ministries/institutions such as BRIN/LAPAN as PIUs if necessary;
- c. Reporting, including developing an infrastructure for an early action decision support system and developing Human Resources Capacity at the national and regional levels;
- d. Procurement of tools, equipment and systems, including procuring goods and services for ecosystem development activities for early action on disaster risk management in Indonesia, physical construction/development, supervision, operations and technology transfer with a turn-key concept to accelerate the entire process.

9. Outputs

- a. 1 (one) complete Infrastructure of computing centers and early action centers consisting of tier IV large-scale computing centers & early action Centers in Jabodetabek (for BNPb HQ);
- b. 38 (thirty-eight) Medium-scale computing centers & early action centers in each provincial capital consisting of medium-scale computing centers & early action centers;
- c. 250 (two hundred and fifty) Small-scale computing centers & early action centers in each regency/city capital consisting of small-scale computing centers & early action centers;
- d. Unmanned aerial vehicles (UAV) as remote sensing sensors with output indicators the availability of 4 (four) remote sensing unmanned aerial vehicles for potential disaster risk analysis, each of which will be placed in 4 (four) locations;
- e. Terrestrial-based disaster monitoring sensors with output indicators the availability of terrestrial-based disaster monitoring sensors spread across 514 (five hundred and fourteen) regencies/cities, which can provide initial information on potential disasters;
- f. Certified human resources with output indicators of the availability of BNPb and provincial BPbD and regency/city BPbD certified personnel.

10. Outcomes

- a. Availability of distributed early action ecosystem at national and local (provincial and cities level);
- b. Increased efficiency in implementing early action to reduce the potential risk of disasters;
- c. Availability of early monitoring based on real-time data (satellite-based and terrestrial-based equipment) for emergency response decision support system;
- d. Increased capacity together with other stakeholders in disaster management.

11. National Priorities in RPJMN 2020-2024

- a. Strengthening infrastructure to support economic development and basic services
- b. Strengthening political, legal, as well as national defense and security stability and public services transformation

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	250,000,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others (RM Pendukung)	: US\$	0
Subtotal	: US\$	250,000,000	Subtotal	: US\$	0
TOTAL	: US\$	250,000,000			

-
1. **Project Title** : **Improving Public Resilience of Fire Risk through the Development of Regional Firefighting Infrastructure and Human Resources**
 2. **Program Title** : Environmental Protection and Disaster Mitigation/Adaptation
 3. **Executing Agency** : Ministry of Home Affairs
 4. **Implementing Agency** : Directorate General of Regional Administration, Ministry of Home Affairs
 5. **Duration** : 36 months
 6. **Location** : North Sumatera, West Java, Yogyakarta Special Region, South Sulawesi, Bali, and East Kalimantan Province
-

7. Objectives

Minimizing response time to fire incidents in densely populated areas with limited access in six selected districts / cities to an average of less than 15 minutes of Minimum Service Standard or Standard Pelayanan Minimal (SPM). Improving response time will provide opportunity benefits in terms of reducing the risk of material damage, loss of life, injuries and trauma, as well as environmental pollution of air, water, and soil during the fire suppression process.

8. Scope of Works

- a. Rapid response fire management system development to reduce the average response time;
- b. Deployment of Satellite Fire and First Aid Station (SFFAS) facilities to expand the use of effective, rapid response, and environmentally friendly fire suppression technology;
- c. Community development to involve community volunteers as part of the fire suppression ecosystem;
- d. Project Management.

9. Outputs

- a. Enhancing the average response time to less than 8-12 minutes;
- b. Expanding the use of effective, responsive, and environmentally friendly SFFAS fire suppression technology;
- c. Involve community volunteers as part of the firefighting ecosystem;
- d. Increased competence of volunteers and firefighters in utilizing SFFAS.

10. Outcomes

- a. Reducing the number of fatalities due to fires in the project operation area;
- b. Reducing the number of victims of physical injuries / trauma / social impacts due to fires in the project operation area;
- c. Reducing property losses due to fire in the project operation area;
- d. Setting-up pilots of best practice benchmarks for firefighting response time as part of the Minimum Service Standard (SPM) in the project operation area.

11. National Priorities in RPJMN 2025-2029

Strengthening Political, Legal, and Bureaucratic Reforms, as well as Enhancing the Prevention and Eradication of Corruption, Drugs, Gambling, and Smuggling.

12. Project Cost

● Foreign Funding			● Counterpart Funding		
- Loan	: US\$	34,180,243	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others	: US\$	0
Subtotal	: US\$	34,180,243	Subtotal	: US\$	0
TOTAL	: US\$	34,180,243			

Sustainable Urban Development

Solid Waste Management

1. Project Title	: Local Service Delivery Project (LSDP)
2. Program Title	: Sustainable Urban Development (Solid Waste Management)
3. Executing Agency	: Ministry of Home Affairs
4. Implementing Agency	: a. Directorate General of Regional Administration, Ministry of Home Affairs b. Directorate General of Regional Financial Development, Ministry of Home Affairs c. Directorate General of Cipta Karya, Ministry of Public Works d. Directorate General of Garbage, Waste and B3 Management, Ministry of Environment and Forestry e. Directorate General of Disease Prevention and Control, Ministry of Health f. Directorate General of Fiscal Balance, Ministry of Finance g. Local Development Planning Agency h. Public Works City Office i. Health City Office j. Environment City Office
5. Duration	: 60 months
6. Location	: Targeting 40 cities across the areas of Sumatera, Java, West Nusa Tenggara, Borneo, Sulawesi, Maluku, and Papua

7. Objectives

- a. The main objective of this project is to increase local government capacity to support public service delivery through better preparation, implementation and governance, independently by local government;
- b. The short-term objective of this project is to strengthen the city's service delivery system with a focus on household solid waste management.

8. Scope of Works

- a. Component 1: Development of policy and institutional reform at the national and local levels this component will provide national and local-level policy support for local governments to operationalize a new model of integrated urban investment and service delivery with an initial focus on waste management. Furthermore, this component will focus on increasing the capacity of participating cities in governing waste management, including policy and planning, institution, demand creation, financing, developing, operating, and monitoring urban service delivery;
- b. Component 2: Increasing the capacity of local governments in providing public services in the waste sector. This component provides funding for both physical (infrastructure, etc.) and non-physical (planning, capacity building, community outreach, etc.) interventions. The physical intervention will be implemented directly by selected cities with "beauty contest" mechanism. The types of investment that can be funded by this component include activities to strengthen solid waste management and sanitation in the upstream sector;
- c. Component 3: Project management support. This component will finance overall project management during implementation (including project management support), monitoring

of service executors on the ground in project location cities, construction supervisory consultants, supervision and evaluation, special technical support for local governments that receive investments component 1 and 2, as well as event organizers seminars/events/knowledge exchanges.

9. Outputs

- a. National policies and guidelines on institutional arrangements for municipal waste management and waste collection and management of waste fees were developed;
- b. National SPM for municipal solid waste management developed;
- c. A national policy to build local government capacity in the development and implementing of a waste management master plan is developed;
- d. Number of cities receiving capacity building activities to improve city service delivery;
- e. Number of cities receiving technical assistance provided to LGs in governing waste management, including policy and planning, institution, demand creation, developing, implementing, and managing city service delivery;
- f. Number of cities that received technical assistance provided to LGs in developing proposals to access grant support under component 2 of this project;
- g. Number of local government regulation on solid waste management established and enforced (including separation of regulator, operator, oversight, and law enforcement);
- h. Master plans established for LGs participating in the project;
- i. Number of request-driven proposals from LGs submitted;
- j. Budget allocation for O&M provided for existing waste management facilities;
- k. Number and proportion of waste collection and transportation and waste facilities and equipment (e.g. TPS/TPS3R/TPST), trash bins, transport vehicles, etc.) that are fully performed;
- l. Number of cities with better cost recovery rates for waste management applied to LGs;
- m. Number of cities with support provided for household composting;
- n. Beneficiaries are trained in behavior change in waste management (awareness/waste separation and recycling campaigns) and receive facilities for waste segregation (bins, etc.);
- o. Number of new BLUDs formed for better waste management;
- p. NSPM determination for waste management;
- q. Number of cities with waste management fees set by local regulations;
- r. Number of new local bans on plastic supported by law enforcement mechanisms in LGs participating in the project;
- s. Number of partnership between participating cities and off taker established.

10. Outcomes

- a. Strengthen local government institutions and service quality through policy, governance, investment and capacity building;
- b. Improving the governance and waste management ecosystem in participating cities to circular economy;
- c. Environmental improvements primarily for public health and better urban living conditions;
- d. Enhancing environmental sustainability in locations where Local Government participates;
- e. All household received solid waste collection services;
- f. Minimizing waste residue to 10% from total solid waste volume;
- g. All solid waste infrastructure all well and fully performed;

- h. Proportion of household that already practicing waste separation (minimal to 2 types of waste-organic and non-organic).

11. National Priorities in RPJMN 2020-2024

- a. Developing regions to reduce inequality and to ensure equity;
- b. Mental revolution and cultural development;
- c. Strengthening infrastructure to support economic development and basic services;
- d. Build the environment, increase disaster resilience and climate change.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 350,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 350,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 350,000,000	

-
- 1. **Project Title** : **Solid Waste Management for Sustainable Urban Development**
 - 2. **Program Title** : Sustainable Urban Development (Solid Waste Management)
 - 3. **Executing Agency** : Ministry of Public Works
 - 4. **Implementing Agency** : a. Directorate General of Human Settlements, Ministry of Public Works
b. Directorate General of Regional Development, Ministry of Home Affairs
 - 5. **Duration** : 48 months
 - 6. **Location** : Banda Aceh City, Aceh Province; Bogor District, Cirebon City, and Bekasi City, West Java Province; Banyuwangi Districts, East Java Province
-

7. Objectives

The Solid Waste Management for Sustainable Urban Development activity aims to support the achievement of the 2020-2024 RPJMN target and the 2030 SDGs target by increasing access to solid waste services, using appropriate technology that prioritizes sustainable principles.

8. Scope of Works

- a. Construction of waste processing facilities using appropriate technology and supporting buildings;
- b. Capacity building for managing institutions and operational assistance.

9. Outputs

- a. Implementation of construction and operation of waste processing facilities using appropriate technology;
- b. The achievement of capacity building for waste management institutions.

10. Outcomes

Continuous improvement of solid waste services by using appropriate technology.

11. National Priorities in RPJMN 2020-2024

- a. Strengthen infrastructure to support economic development and basic services.
- b. Build the environment, increase disaster resilience and climate change.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 150,000,000 - Grant : US\$ 0 <hr style="width: 50%; margin-left: 0;"/> <p>Subtotal : US\$ 150,000,000</p>	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0 <hr style="width: 50%; margin-left: 0;"/> <p>Subtotal : US\$ 0</p>
TOTAL : US\$ 150,000,000	

1. Project Title	: Transforming Governance of Waste Management and Strengthening Sustainable Financing
2. Program Title	: Sustainable Urban Development (Solid Waste Management)
3. Executing Agency	: The Ministry of Environment/Environmental Protection Agency of The Republic of Indonesia
4. Implementing Agency	: Deputy of Solid Waste, Hazardous Waste and Hazardous Substances Management
5. Duration	: 36 months
6. Location	: a. Jakarta Special Region b. Cities and Regencies in 38 Province c. Pilot Project Areas: Cimahi City, Banyumas Regency, Gili Islands atau Tiga Gili (Gili Meno, Gili Air, dan Gili Trawangan) of Lombok Utara Regency. d. Selected 3T Areas (Disadvantaged, Frontier, and Outermost Areas → target areas for acceleration of equitable development and poverty alleviation program)

7. Objectives

Main Objective

To achieve a transformative and sustainable national and local waste management system through strengthened governance, innovative financing, and public service models based on the circular economy and financial viability, in support of achieving the 2025–2029 National Medium-Term Development Plan (RPJMN) targets and the Vision of Golden Indonesia 2045.

Specific Objectives

- To establish enabling conditions for waste management governance at the national and local levels;
- To expand access to waste management financing;
- To enhance the leadership and institutional capacities of key waste management stakeholders, particularly local governments;
- To integrate a national digital waste management system;
- To drive the transformation towards a circular economy and the reduction of greenhouse gas emissions in the waste sector;
- To serve as a catalyst for subsequent investments of up to IDR 230 trillion.

8. Scope of Works

- Strengthening of National and Subnational Waste Management Governance;
- End-to-End Piloting to Strengthen the Five Key Aspects of Waste Management in four selected regions:
 - Cimahi City;
 - Banyumas Regency;
 - Gili Islands, Lombok Utara Regency;
 - Selected 3T areas (Disadvantaged, Frontier, and Outermost Region).

- c. Recognition for Cities/Regencies Demonstrating Excellence in Regional Waste Management, by providing technical support and infrastructure or facility.

9. Outputs

- a. Development of a National Bankable Masterplan Guideline, Indicator:
 - 1 national guideline document developed and disseminated.
- b. Formulation and Harmonization of Regulations and Strengthening of Law Enforcement Systems, Indicators:
 - ≥ 1 new or revised national regulation enacted;
 - Law enforcement oversight mechanism established in each region.
- c. Establishment of a Financing Matchmaking Platform for the Waste Sector between Local Governments and Financial Institutions/Investors, Indicators:
 - 1 active financing matchmaking platform in place, with at least 10 MOUs signed with financial institutions.
- d. Integration of Smart Waste Management in All Regions through Optimization of the National Waste Information System (SIPSN), to Support a Circular and Low-Carbon Economy Ecosystem, Indicator:
 - SIPSN integrated with smart waste management dashboard in at least four pilot regions.
- e. Implementation of Leadership Capacity Building and Institutional Strengthening Activities, Indicator:
 - At least 500 personnel participate in training sessions.
- f. Establishment of a National Waste Governance Taskforce Actively Engaged in Cross-Sector Coordination, Indicators:
 - Government Decree on Taskforce establishment issued;
 - At least 3 cross-sector coordination meetings are held annually.
- g. Implementation of Waste Management Pilot Projects in Four Priority Regions Meeting the Minimum Standard of Public Services (SPM), Indicators:
 - 100% waste service coverage achieved;
 - Reduction of waste disposed to landfill by at least 30%.
- h. 50 High-Performing Cities/Regencies Receive Technical Support and Physical Assistance to Strengthen Capacity, Governance, and Access to Financing, Indicators:
 - 50 high-performing cities/regencies receive technical support (e.g., training, RIPS assistance);
 - 50 cities/regencies receive targeted physical assistance (infrastructure or facility).

10. Outcomes

- a. Improving quality of national and local level waste management governance;
- b. Increasing access to waste management financing and investment;
- c. Enhancing data availability and decision-making effectiveness;
- d. Improving professionalism of waste management at the local level;
- e. Achieving the percentage target of managed waste based on RPJPN, RPJMN, and Jakstranas;
- f. Reducing greenhouse gas (GHG) emissions from the waste sector.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in Food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none">Foreign Funding	<ul style="list-style-type: none">Counterpart Funding
- Loan : US\$ 100,000,000	- Central Government : US\$ 0
- Grant : US\$ 0	- Regional Government : US\$ 0
	- State-Owned Enterprise : US\$ 0
	- Others (RMP) : US\$ 10,000,000
<hr/>	<hr/>
Subtotal : US\$ 100,000,000	Subtotal : US\$ 10,000,000
TOTAL : US\$ 110,000,000	

Integrated Regional and Urban Facilities and Infrastructure

-
1. **Project Title** : **Construction of Jakarta Mass Rapid Transit Project North South Phase 2A (3rd Slice Loan)**
 2. **Program Title** : Sustainable Urban Development (Integrated Regional and Urban Facilities and Infrastructure)
 3. **Executing Agency** : a. Ministry of Transportation
b. Provincial Government of DKI Jakarta
 4. **Implementing Agency** : a. Directorate General of Railways, Ministry of Transportation
b. Provincial Government of DKI Jakarta
c. PT. MRT Jakarta (Perseroda)
 5. **Duration** : 80 months
 6. **Location** : DKI Jakarta Province
-

7. Objectives

To increase the transport services and capacity in Jakarta Metropolitan Area in order to complete the backbone of urban transportation system for North - South corridor. In addition, the construction of Jakarta Mass Rapid Transit will also be a stimulant for increasing economic activities as well as investment in the area.

8. Scope of Works

- a. Construction of civil, track work & railway system, and rolling stock procurement of MRT Jakarta Phase 2A (Bundaran HI-Kota);
- b. Construction Management Consulting Services MRT Jakarta Phase 2A (Bundaran HI-Kota).

9. Outputs

- a. Construction of 5.8 km of tunnels and tracks;
- b. Construction of 7 underground stations.

10. Outcomes

- a. Shifting private vehicle users to public transportation increases public transport usage and helps reduce traffic congestion;
- b. Contributing to efforts in reducing congestion;
- c. Reducing CO2 emissions.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	686,076,873	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	2,105,263
Subtotal : US\$	686,076,873	Subtotal : US\$	2,105,263
TOTAL : US\$	688,182,136		

-
1. **Project Title** : **Construction of Jakarta Mass Rapid Transit Project North South Phase 2B (3rd Slice Loan)**
 2. **Program Title** : Sustainable Urban Development (Integrated Regional and Urban Facilities and Infrastructure)
 3. **Executing Agency** : Ministry of Transportation
 4. **Implementing Agency** : a. Provincial Government of DKI Jakarta
b. PT. MRT Jakarta (Perseroda)
 5. **Duration** : a. Basic Engineering Design (BED) - Tender Assistance Services (TAS) of MRT Jakarta Phase 2B (30 Months)
b. Construction of MRT Jakarta Phase 2B (78 Months)
 6. **Location** : DKI Jakarta Province
-

7. Objectives

To increase the MRT Jakarta services and capacity in DKI Jakarta, which covers the northern region of DKI Jakarta, and complete the backbone of public transportation in DKI Jakarta. MRT Jakarta Phase 2B will provide a Depot and Rolling Stock for the long-term operation of the North-South corridor.

8. Scope of Works

- a. Basic Engineering Design and Tender Assistance Services for MRT Jakarta Phase 2B;
- b. Construction Management Consultancy Services for MRT Jakarta Phase 2B;
- c. Construction of MRT Jakarta Phase 2B.

9. Outputs

- a. Basic Engineering Design;
- b. Operation of MRT Jakarta Phase 2B, including a new depot, and integrated with the existing North-South line.

10. Outcomes

- a. Increased use of public transportation by shifting the use of private vehicles to public vehicles;
- b. Reduction in congestion around the MRT North-South Line Phase 2B;
- c. Reduction in air pollution;
- d. Increased economic opportunities in the vicinity of MRT North-South Line Phase 2B

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	1,288,811,974	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	1,288,811,974	Subtotal : US\$	0
TOTAL : US\$ 1,288,811,974			

-
1. **Project Title** : **Construction of Jakarta Metropolitan Mass Rapid Transit East-West Corridor Project Phase I Stage I**
 2. **Program Title** : Sustainable Urban Development (Integrated Regional and Urban Facilities and Infrastructure)
 3. **Executing Agency** : Ministry of Transportation
 4. **Implementing Agency** : a. Directorate General of Railways, Ministry of Transportation
b. Provincial Government of DKI Jakarta
c. PT. MRT Jakarta (Perseroda)
 5. **Duration** : 83 months
 6. **Location** : DKI Jakarta Province and West Java Province
-

7. Objectives

To improve mass public transport system, accessibility and reduce traffic congestion and externalities in Jakarta metropolitan area through Construction of Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang-Medan Satria).

8. Scope of Works

- a. Construction of civil, railway system, and rolling stock procurement of Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang — Medan Satria);
- b. Consulting Services of Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang -Medan Satria).

9. Outputs

- a. Construction of 24,5km tunnel and track;
- b. Construction of 5,9km depot accessline;
- c. Construction of 13 elevated stations and 8 underground stations;
- d. Construction of Depot;
- e. Consulting Services.

10. Outcomes

- a. Increase of public transportation participation in Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang - Medan Satria);
- b. Increase of economic activity and the value of the area in vicinity of Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang — Medan Satria);
- c. Quality improvement for the environment and fostered in the vicinity of Jakarta Metropolitan Mass Rapid Transit East-West Line Project Phase I Stage I (Tomang — Medan Satria).

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	2,757,103,940	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	540,413,784
Subtotal : US\$	2,757,103,940	Subtotal : US\$	540,413,784
TOTAL : US\$ 3,297,517,724			

1. Project Title	: Sustainable and Quality Tourism Development Program
2. Program Title	: Sustainable Urban Development (Integrated Regional and Urban Facilities and Infrastructure)
3. Executing Agency	: Ministry of Tourism
4. Implementing Agency	: a. Ministry of Development Planning National/Bappenas b. Ministry of Public Works c. Ministry of Tourism
5. Duration	: 60 Months, Period 2027 - 2031
6. Location	: North Sumatra (Lake Toba), Central Java and Special Region of Yogyakarta (Borobudur–Yogyakarta–Prambanan), West Nusa Tenggara (Mandalika), East Nusa Tenggara (Labuan Bajo), North Sulawesi (Manado–Likupang), East Java (Bromo–Tengger–Semeru), Southwest Papua (Raja Ampat), Bangka Belitung Islands (Bangka Belitung), Southeast Sulawesi (Wakatobi), North Maluku (Morotai), Bali, Special Capital Region of Jakarta (Greater Jakarta), and Riau Islands (Greater Batam).

7. Objectives

The Development Objective of the Sustainable and Quality Tourism Development Program (SQTDP) is to enhance the quality of institutions for sustainable and high-quality tourism, improve the quality of tourism infrastructure and supporting services, tourism inclusivity for human resources capacity development and competencies, and increase private investment in tourism across selected destinations in Indonesia. The project consists of five components which, collectively, will enable the achievement of the Project Development Objective (PDO). The Sustainable and Quality Tourism Development Program (SQTDP) is designed to support the development of quality and sustainable tourism destinations in 10 Priority Tourism Destinations (DPP) and 3 Regenerative Tourism Destinations (DPR) as stipulated in Presidential Decree Number 12 of 2025 concerning the National Medium-Term Development Plan 2025-2029.

8. Scope of Works

- a. Component 1: Strengthening tourism governance through integrated planning of priority destinations, effective monitoring and evaluation systems, and stronger institutional capacity at both central and local levels;
- b. Component 2: Improving tourism infrastructure and services through area revitalization, development and upgrading of infrastructure in Priority Tourism Destinations (DPP/DPR), infrastructure development in tourism authority zones, and enhancement of tourism vocational education facilities;
- c. Component 3: Promoting inclusive tourism by upgrading workforce skills, supporting digital and green technology adoption among MSMEs, and increasing the competitiveness of tourism villages;
- d. Component 4: Enhancing private sector participation through investment facilitation, acceleration of business licensing, public-private partnerships, and strengthening tourism businesses through gastronomic ranking initiatives;
- e. Component 5: Reinforcing internal project management to ensure effective, efficient, and accountable implementation.

9. Outputs

- a. Improved performance of the Quality Tourism Index in priority destinations;
- b. Increased number of beneficiaries with access to basic services;
- c. Increased number of beneficiaries benefiting from newly constructed roads;
- d. Number of tourism human resources receiving enhanced training and competency certification;
- e. Availability of basic services in tourism authority areas ready for lease;
- f. Increased value of private investment in priority destinations;
- g. Improved success rate of the implementation of the SQTDP.

10. Outcomes

- a. Improvement in the Quality Tourism Index;
- b. Number of targeted beneficiaries receiving improved tourism infrastructure and services in Priority Tourism Destinations (DPP/DPR);
- c. Enhanced skills and capacity of tourism human resources;
- d. Amount of tourism investment in Priority Tourism Destinations (DPP/DPR) and designated tourism authority zones.

11. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

12. Project Cost

• Foreign Funding	• Counterpart Funding
- Loan : US\$ 400,000,000	- Central Government : US\$ 0
- Grant : US\$ 5,117,360/	- Regional Government : US\$ 0
(SECO) CFH 4,000,000	- State-Owned Enterprise : US\$ 0
Subtotal : US\$ 405,117,360	- Others : US\$ (STD)
TOTAL : US\$ 405,117,360	Subtotal : US\$ (STD)

Public Security

Counterterrorism

1. Project Title	: Strengthening Integrated Terrorism Prevention
2. Program Title	: Public Security (Counterterrorism)
3. Executing Agency	: National Counter Terrorism Agency
4. Implementing Agency	: National Counter Terrorism Agency
5. Duration	: 18 months
6. Location	: Jakarta & West Jawa

7. Objectives

The enhancement of Integrated Terrorism Prevention to significantly strengthen the government's readiness in mitigating potential threats posed by the radical terrorism groups to supporting national security stabilities in achieving long term vision of Indonesia "Indonesia Emas 2045".

8. Scope of Works

The scope of activities encompasses the execution of the National Counter-Terrorism Agency's (BNPT) strategic functions within the Strengthening Integrated Terrorism Prevention Program, comprising the following components:

- a. Establishment of the Counter-Terrorism Smarhub Collaborator System, entailing the development and optimization of coordination mechanisms and synergy among defense and security instruments to ensure an effective and integrated response to potential threats of radicalism and terrorism;
- b. Strengthening of the Counter-Propaganda Program via a counter-radicalization system capable of designing, producing, and disseminating alternative narratives and digital literacy materials. This initiative aims to foster public awareness regarding the dangers of radical terrorism and fortify peace narratives across various social media channels, local media, and public spaces;
- c. Development and Operationalization of the Deradicalization and Counseling Center to serve as a hub for rehabilitative and reintegrative services for individuals exposed to radical terrorism ideologies;
- d. Optimization of Capacity Building for the Crisis Analysis and Control Center, achieved by strengthening technical systems, equipment, and human resources to facilitate early detection, strategic analysis, and timely decision-making regarding radical terrorism threats. This component also encompasses the development and implementation of an integrated information system to support the collection, analysis, and dissemination of accurate and rapid intelligence data for more effective decision-making processes.

9. Outputs

- a. BNPT has a coordination system that ensures synergy among security and defense instruments to support counter-terrorism efforts in Indonesia;
- b. BNPT has a counter-radicalization system capable of analyzing digital content, mapping narrative dissemination, and producing accurate counter-narratives;
- c. BNPT has a robust information system that supports the implementation of deradicalization programs;

- d. BNPT has systems and equipment that enable secure, real-time field surveillance and reporting.

10. Outcomes

- a. Enhanced effectiveness of response and synergy among security and defense instruments in addressing potential radicalism and terrorism threats in an integrated and timely manner;
- b. Increased public awareness of the dangers of terrorism and strengthened ideological resilience through positive and educational counter-narratives;
- c. Improved accuracy in measuring the level of radicalization among deradicalization targets;
- d. Strengthened capability of the crisis analysis and control center in conducting early detection, strategic analysis, and timely, accurate decision-making in response to potential threats.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 100,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 100,000,000	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 100,000,000	

Counter-Narcotics

1. Project Title	: Strengthening Integrated Rehabilitation and Public Education Information System Services to Support Drug Prevention and Control Efforts
2. Program Title	: Public Security (Counter-Narcotics)
3. Executing Agency	: National Narcotics Board
4. Implementing Agency	: National Narcotics Board
5. Duration	: 48 months
6. Location	: DKI Jakarta

7. Objectives

As recorded by UU 35 of 2009, the National Narcotics Board (BNN) is mandated to enforce the P4GN (Preventing and Eradicating the Abuse and Illicit Traffic of Narcotics and Narcotics Precursors) program through demand reduction strategy and supply reduction strategy. To support these efforts, in addition to requiring professional and competent human resources, adequate infrastructure and technology support, is an essential part of a smart power approach strategy.

This initiative aims to enhance the effectiveness of narcotics prevention and countermeasures by developing and integrating information system services. The system will serve as a unified platform to support rehabilitation processes and provide comprehensive public education. Thus, this project aims to strengthen the efforts of the government and the community in combating narcotics abuse through an accessible and accurate information- and data-based approach.

Adjusting strategies through the utilization of current technology requires alternative resources due to the limited budget managed by BNN. Therefore, alternative funding sources outside of the standard national budget are needed to meet the capital expenditure requirements necessary to support these technological initiatives.

8. Scope of Works

- a. Strengthening and Integration of SIRENA (Narcotics Rehabilitation Information System) on Artificial Intelligence with Medical Information System in BNN National Rehabilitation Center’s SIREHAB Information System;
- b. Tele-Rehabilitation Facilities for Narcotics Treatment at the BNN National Rehabilitation Center and BNN Regional Rehabilitation Centers;
- c. Integrated Prevention Education Information Dissemination System;
- d. Digital-Based BNN Public Information Dissemination Through Social Media.

9. Outputs

- a. Availability of an Integrated Artificial Intelligence-Based Narcotics Rehabilitation Information System (SIRENA) with Medical Information System in BNN National Rehabilitation Center’s SIREHAB Information System;
- b. Availability of adequate and appropriate rehabilitation facilities;
- c. Availability of a centralized educational dissemination system;

- d. Availability of a blaster avatar that can be utilized to disseminate narcotics prevention educational information.

10. Outcomes

- e. Enhancement of the effectiveness of the integrated Narcotics Rehabilitation Information System (SIRENA) with Medical Information System in BNN National Rehabilitation Center’s SIREHAB Information System;
- f. Development of an effective tele-rehabilitation facility system at the National Rehabilitation Center and BNN Regional Rehabilitation Centers;
- g. Increasing the outreach of narcotics prevention educational information directly to the community;
- h. Increased public engagement with BNN educational content.

11. National Priorities in RPJMN 2025-2029

Strengthening Political, Legal, and Bureaucratic Reforms, as well as Enhancing the Prevention and Eradication of Corruption, Drugs, Gambling, and Smuggling.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 130,166,250 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 130,166,250	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 130,166,250	

1. Project Title	: Modernization of Rehabilitation Facilities, Laboratory Services, and Operational Support in Drug Control Efforts
2. Program Title	: Public Security (Counter-Narcotics)
3. Executing Agency	: National Narcotics Board
4. Implementing Agency	: National Narcotics Board
5. Duration	: 36 months
6. Location	: DKI Jakarta

7. Objectives

As recorded by UU 35 of 2009, the National Narcotics Board (BNN) is mandated to enforce the P4GN (Preventing and Eradicating the Abuse and Illicit Traffic of Narcotics and Narcotics Precursors) program through demand reduction strategy and supply reduction strategy. As in demand reduction, BNN implements both medical and non-medical rehabilitation to ensure sustainable recovery for drugs addicts as well as develops effective public education programs as preventive measures. This process requires modern infrastructure, professional experts, and adequate media production support facilities. As in supporting supply reduction, BNN strengthens its law enforcement functions through the enhancement of narcotics laboratory testing facilities capable of supporting rapid and accurate forensic, biometric, and genetic analysis. Operational capabilities in the field are also reinforced through the availability of K-9 Unit for narcotics detection, along with the revitalization and renovation of technology-based detainee and evidence management systems to ensure security, efficiency, and accountability. Considering the limitation and budgetary constraints, alternative funding support, beyond pure Rupiah allocation, is necessary to fulfill the capital expenditure needs for technology.

8. Scope of Works

- a. Medical and Non-Medical Facilities for Supporting Narcotics Rehabilitation;
- b. Public Education Production Facilities for Narcotics Prevention;
- c. Laboratory Testing Facilities for Forensic, Biometric, and Genetic Analysis in Narcotics Laboratories;
- d. Procurement of Operational Facilities for the BNN K-9 Unit;
- e. Revitalization and Renovation of Technology-Based Detainee and Evidence Management Systems.

9. Outputs

- a. Availability of essential medical equipment (e.g., detoxification equipment, basic diagnostic tools, and emergency equipment) in proper condition, as well as the availability of tools and supplies to support occupational/vocational therapy activities in rehabilitation;
- b. Availability of an integrated educational communication production studio equipped with the necessary equipment;
- c. Availability of a modern, internationally standardized narcotics laboratory equipped with advanced biometric and genetic analysis instruments to support accurate, rapid, and reliable forensic testing, enabling individual identification, case tracing, and scientific mapping of criminal networks;

- d. Availability of supporting facilities for the BNN K-9 Unit to enhance field tracking and detection capabilities;
- e. Availability of technology-based smart prison facilities to support inmate rehabilitation programs and security management.

10. Outcomes

- a. Improved quality and safety of medical services during detoxification and rehabilitation process, along with increased patient retention rates in rehabilitation programs through the creation of a more positive treatment environment;
- b. Increased efficiency in the production of educational materials;
- c. Enhanced accuracy and swiftness of narcotics testing, promoting the establishment of professional and accredited laboratory service standards while strengthening public trust in BNN’s performance;
- d. Improved success rate of narcotics detection and tracking by K-9 units;
- e. Inmate development programs are implemented in a safe, orderly, and well-monitored environment.

11. National Priorities in RPJMN 2025-2029

Strengthening Political, Legal, and Bureaucratic Reforms, as well as Enhancing the Prevention and Eradication of Corruption, Drugs, Gambling, and Smuggling.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 108,417,900 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
<hr/> Subtotal : US\$ 108,417,900	<hr/> Subtotal : US\$ 0
TOTAL : US\$ 108,417,900	

1. Project Title	: Enhancing National Security Capacity Through the Modernization of BNN's Operational and Intelligence Capacity
2. Program Title	: Public Security (Counter-Narcotics)
3. Executing Agency	: National Narcotics Board
4. Implementing Agency	: National Narcotics Board
5. Duration	: 24 months
6. Location	: DKI Jakarta

7. Objectives

As recorded by UU 35 of 2009, the National Narcotics Board (BNN) is mandated to enforce the P4GN (Preventing and Eradicating the Abuse and Illicit Traffic of Narcotics and Narcotics Precursors) program through demand reduction strategy and supply reduction strategy. Supporting demand reduction, BNN executes prevention function ranging from socializing the dangers narcotics abuse to family and individual reinforcement in order to build resilience against drug abuse. These efforts require reliable human resources and adequate infrastructure, particularly in technology and information.

Through this project, BNN is developing an integrated operational and intelligence infrastructure, which includes:

- a. Establishing a Joint Intelligence and Operation Command Base (JIOCB) for real-time coordination;
- b. Procuring an active direction finder system for accurate target tracking;
- c. Acquiring online patrol equipment for marketplaces monitoring;
- d. Developing a modern control room for observing detainees and securing evidence.

Given the budgetary constraints, alternative funding support, beyond pure Rupiah allocation, is necessary to fulfill the capital expenditure needs for technology.

8. Scope of Works

- a. Provision of an Integrated Intelligence Command and Operations Center (JIOCB);
- b. Provision of an Active Direction-Finding System to Support Security Operations;
- c. Procurement of Online Patrol Equipment for Marketplace Surveillance;
- d. Development of a Control Room for Observation and Monitoring of Detainees and Confiscated Evidence at the National Narcotics Agency (BNN).

9. Outputs

- a. The Integrated Intelligence Command and Operations Center (JIOCB) is fully operational as a real-time and integrated coordination and control center for intelligence operations;
- b. The Active Direction-Finding System is installed and functioning optimally to support accurate tracking of targets or signal sources in security operations;
- c. Online Patrol Equipment is available and effectively utilized to monitor activities and detect illegal narcotics-related transactions within online marketplaces;
- d. The Control Room for Observation and Monitoring of Detainees and Confiscated Evidence at the National Narcotics Agency (BNN) is operational with a modern surveillance system that ensures security and continuous monitoring.

10. Outcomes

- a. Enhanced coordination and effectiveness of BNN intelligence operations through faster and more accurate information management and decision-making;
- b. Improved capability to detect and track targets, enabling security operations to be conducted in a more precise and responsive manner;
- c. Strengthened oversight of narcotics distribution on online platforms, thereby minimizing the potential for illegal transactions;
- d. Increased security and monitoring of detainees and confiscated evidence through an integrated and sustainable modern control system.

11. National Priorities in RPJMN 2025-2029

Strengthening Political, Legal, and Bureaucratic Reforms, as well as Enhancing the Prevention and Eradication of Corruption, Drugs, Gambling, and Smuggling.

12. Project Cost

• Foreign Funding		• Counterpart Funding	
- Loan : US\$	161,415,850	- Central Government : US\$	0
- Grant : US\$	0	- Regional Government : US\$	0
		- State-Owned Enterprise : US\$	0
		- Others : US\$	0
Subtotal : US\$	161,415,850	Subtotal : US\$	0
TOTAL : US\$	161,415,850		

Cybersecurity

1. Project Title	: Strengthening Cyber Security Ecosystem in Indonesia
2. Program Title	: Public Security (Cybersecurity)
3. Executing Agency	: National Cyber and Crypto Agency
4. Implementing Agency	: a. Deputy of Operations of Cybersecurity and Cryptography b. Center for Data and Information and Communication Technology
5. Duration	: 36 months
6. Location	: DKI Jakarta and West Java Province

7. Objectives

- a. Realization of national cyber security through strengthening National Security Operation Center (NSOC);
- b. Improving strategic data backup center of national vital information infrastructure sectors;
- c. Computer Security Incident Response Team (CSIRT) capacity building development.

8. Scope of Works

- a. Cyber Security Technology infrastructure development;
- b. Strengthening the capacity and capability of CSIRT.

9. Outputs

- a. Internet traffic anomaly monitoring system;
- b. National strategic data backup center;
- c. Cyber security simulation laboratories for national vital information infrastructure sectors;
- d. International certification for CSIRT's human resources in the field of cyber incident handling.

10. Outcomes

- a. The availability of comprehensive information related to internet traffic anomalies in Indonesia (cyber threats);
- b. Availability of national strategic backup data services;
- c. Increasing the shared capabilities of cyber security multistakeholders in handling cyber incidents.

11. National Priorities in RPJMN 2020-2024

Strengthening political, legal, defense and security stability and transforming public services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan :US\$ 249,802,664 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others (RM) : US\$ 0
Subtotal : US\$ 249,802,664	Subtotal : US\$ 0
TOTAL : US\$ 249,802,664	

1. Project Title	: Procurement of Communication Data Analysis Monitoring Center System Equipment
2. Program Title	: Public Security (Cybersecurity)
3. Executing Agency	: Corruption Eradication Commission
4. Implementing Agency	: Corruption Eradication Commission
5. Duration	: 60 Months
6. Location	: Administrative City of South Jakarta, DKI Jakarta Province

7. Objectives

The project aims to strengthen data and information integration, analytical capacity, and decision making within anti-corruptions law enforcement to support effective investigation, prosecution, and recovery of state losses. It seeks to enhance the accuracy, timeliness, and quality of intelligence informed data to enable lawful monitoring, early warning, and operational actions in compliance with applicable laws and governance standards. Through these improvements, the project contributes to more effective, efficient, and accountable corruption eradication.

8. Scope of Works

a. Remote Control System Development

This project supports anti-corruption law enforcement by strengthening institutional capabilities to address evolving digital communication patterns through the procurement and deployment of a secure and governed Remote Control System.

b. Tactical Equipment Upgrades

This project strengthens institutional capacity for anti-corruption enforcement by modernizing intelligence support functions in line with international best practices.

c. Open Source Intelligence System Development

This project establishes an integrated OSINT capability to support early detection, analytical effectiveness, and data-driven decision-making in anti-corruption efforts.

d. Forensic Laboratory Upgrades with Artificial Intelligence Technology

The project modernizes the digital forensic laboratory through the integration of Artificial Intelligence to respond to the increasing complexity, scale, and diversity of digital evidence in corruption investigations.

e. Anti-Corruption Analytics Center

The project establishes an integrated anti-corruption analytics center to strengthen data-driven prevention and enforcement through enhanced monitoring, visualization, and analytical coordination.

9. Outputs

a. Remote Control System Development

The project delivers an integrated interception system compatible with evolving OTT messaging platforms, supported by governance mechanisms that enhance operational efficiency and mitigate legal, technical, and security risks.

b. Tactical Equipment Upgrades

The project enhances institutional capability through the deployment of modern, secure, and interoperable tactical equipment supporting lawful anti-corruption enforcement, thereby strengthening operational readiness and effectiveness in intelligence support and evidence development.

c. Open Source Intelligence System Development

The project delivers an integrated and scalable OSINT system to support early detection, analysis, and prevention of corruption-related activities, enhancing analytical capacity through advanced open-source data collection, correlation, visualization, and reporting.

d. Forensic Laboratory Upgrades with Artificial Intelligence Technology

The project delivers a modernized AI-enabled digital forensic laboratory with integrated infrastructure and end-to-end forensic software platforms supporting complex investigations.

e. Anti-Corruption Analytics Center

The project delivers an operational anti-corruption analytics center supported by dedicated infrastructure, including a War Room, and an integrated data platform enabling cross-unit data management and information exchange.

10. Outcomes

- a. Improving Operational Success, to strengthen institutional capacity to lawfully access and utilize relevant communication data in response to the growing use of encrypted and OTT messaging platforms, resulting in more effective, timely, and accountable anti-corruption investigations conducted in full compliance with applicable legal and governance frameworks;
- b. Improving Intelligence Competitiveness;
- c. Increasing Public and Government Trust;
- d. Improving Indonesia's Corruption Perception Index;
- e. Forensic Laboratory Upgrades with Artificial Intelligence Technology to enhance speed, accuracy, and scalability of digital forensic analysis through AI-enabled capabilities, strengthening the effectiveness of corruption investigations and prosecutions, improving institutional readiness to manage complex and large-scale digital evidence, and reinforcing public trust in credible, transparent, and technology-driven corruption eradication efforts;
- f. Strengthen corruption eradication efforts in Indonesia through integrated, secure, and data-driven analytics to support effective, efficient, and accountable corruption prevention and enforcement.

11. National Priorities in RPJMN 2025-2029

Strengthening Political, Legal, and Bureaucratic Reforms, as well as Enhancing the Prevention and Eradication of Corruptions, Drugs, Gambling, and Smuggling.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	150,000,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	0
			- Others (PMO)	: US\$	0
Subtotal	: US\$	150,000,000	Subtotal	: US\$	0
TOTAL	: US\$	150,000,000			

1. Project Title	: Digitalization of Broadcasting System (DBS) Project
2. Program Title	: Public Security (Cybersecurity)
3. Executing Agency	: Indonesia's Public Television Broadcasting Institution (LPP TVRI)
4. Implementing Agency	: Indonesia's Public Television Broadcasting Institution (LPP TVRI)
5. Duration	: 48 months
6. Location	: 34 provinces/all over Indonesia

7. Objectives

The objective of DBS Program is to update the TV transmission system and modernize production facilities through 3 (three) areas, including:

- a. Provision of the Digital Transmission System DVB-T2 at 199 locations;
- b. Provision of the Digital Studio System at 31 locations, 26 OB-Van and IT Supporting facilities;
- c. Capacity building of the Human Resources of LPP TVRI.

With funding sourced from a foreign loan from the French Government through the French Treasury.

8. Scope of Works

The DBS's Scope of Work are:

- a. Provision of the DVB-T2 digital transmission system in 199 locations;
- b. Provision of the digital studio equipment in 31 locations, 26 OB-Van and IT Supporting facilities;
- c. Capacity building for LPP TVRI Human Resources.

9. Outputs

- a. Expansion of Digital Broadcasting Coverage from 74% to 90% of the population, reaching approximately 43 million additional people;
- b. Modernization of Studio and Production Facilities through the development of 31 digital studio systems and the procurement of 26 OB Vans to establish an integrated digital production network;
- c. Human Resources Capacity Building to strengthen the competence of TVRI personnel in supporting the digital broadcasting transformation.

10. Outcomes

- a. Expansion of National Broadcasting Coverage through the construction of 199 transmission stations in 139 underserved WLS, increasing TVRI coverage from 74% to 90% of the population (around 43 million people);
- b. Improving Broadcast and Service Quality by upgrading digital broadcasting standard from HD to 4K and strengthening Quality of Service (QoS);
- c. Strengthening Public Role and Institutional Professionalism by enhancing TVRI's institutional capacity, improving broadcast content quality, and expanding access to information and educational services, including in 3T areas.

13. National Priorities in RPJMN 2025-2029

Continuing Infrastructure Development and Increasing Quality Employment, Encouraging Entrepreneurship, Developing the Creative Industry, and Advancing Agro-Maritime Industries in Production Centers through the Active Role of Cooperatives.

14. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	373,153,000	- Central Government	: US\$	0
			- Regional Government	: US\$	0
- Grant	: US\$	0	- State-Owned Enterprise	: US\$	0
			- Others (Rupiah Budget)	: US\$	37,315,300
<hr/>			<hr/>		
Subtotal	: US\$	373,153,000	Subtotal	: US\$	37,315,300
TOTAL : US\$ 410,468,300					

On-Lending

Energy Self-Sufficiency

1. Project Title	: Hululais Geothermal Power Plant Project
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT PLN (Persero)
4. Implementing Agency	: PT PLN (Persero)
5. Duration	: 36 months
6. Location	: Lebong, Rejang Lebong and Kepahiang Regency, Bengkulu Province

7. Objectives

The expected result is an additional supply of power to system in Sumatra and contribution to the the supply of renewable energy in the reliability of grid system in Sumatra.

8. Scope of Works

Construction of the Hululais Geothermal Power Plant with a capacity of 110 MW, 150 kV transmission line 150, and related substations.

9. Outputs

- a. Geothermal power plant Flash Cycle type with a capacity of 110 MW;
- b. Transmission Line 150 kV PLTP Hululais - Pekalongan Substation ± 47 km;
- c. Extension of Pekalongan 150 kV substation.

10. Outcomes

- a. Additional power supply to the system in Sumatera;
- b. Contributions to the fulfillment of an average demand growth of 7.9%;
- c. Increased supply of renewable energy sources in the Sumatera generation system in 2024 by 34.3%.

11. National Priorities in RPJMN 2020-2024

Strengthening infrastructure to support economic development and basic services.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 204,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 103,000,000 - Others (RM) : US\$ 0
<hr/> Subtotal : US\$ 204,000,000	<hr/> Subtotal : US\$ 103,000,000
TOTAL : US\$ 307,000,000	

-
- 1. **Project Title** : Sumatera PS Hydroelectric Power Plant
 - 2. **Program Title** : On-Lending (Energy Self-Sufficiency)
 - 3. **Executing Agency** : PT PLN (Persero)
 - 4. **Implementing Agency** : PT PLN (Persero)
 - 5. **Duration** : 72 months
 - 6. **Location** : North Sumatera Province (Simalungun Regency)
-

7. Objectives

The expected result is increasing system reliability in anticipation of the entry of many intermittent renewable energy (EBT) and VRE (Variable Renewable Energy) power plants.

8. Scope of Works

Construction of the Sumatera Pumped Storage Hydroelectric Power Plant with a capacity of 2x250 MW, Transmission Line 500 kV, and related substations, including construction/physical construction, construction supervision/management, and commissioning.

9. Outputs

- a. Hydroelectric power plant pumped storage type with a capacity of 2 x 250 MW;
- b. Transmission Line 500 kV 70 kmr.

10. Outcomes

- a. Additional 500 MW power supply to the system in Sumatera;
- b. Minimum Reserve Margin in Sumatera 38% (RUPTL 2025-2034);
- c. Renewable energy mix 40% in Sumatera at 2034 (RUPTL 2025-2034 RE Base scenario).

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding <li style="padding-left: 20px;">- Loan : US\$ 427,500,000 <li style="padding-left: 20px;">- Grant : US\$ 0 <li style="border-top: 1px solid black; padding-top: 5px;">Subtotal : US\$ 427,500,000 	<ul style="list-style-type: none"> ● Counterpart Funding <li style="padding-left: 20px;">- Central Government : US\$ 0 <li style="padding-left: 20px;">- Regional Government : US\$ 0 <li style="padding-left: 20px;">- State-Owned Enterprise : US\$ 152,800,000 <li style="padding-left: 20px;">- Others (RM) : US\$ 0 <li style="border-top: 1px solid black; padding-top: 5px;">Subtotal : US\$ 152,800,000
TOTAL : US\$ 580,300,000	

1. Project Title	: Matenggeng Pumped Storage (PS) Hydroelectric Power Plant
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT PLN (Persero)
4. Implementing Agency	: PT PLN (Persero)
5. Duration	: 72 months
6. Location	: Central Java Province (Cilacap Regency) West Java Province (Kuningan Regency)

7. Objectives

The expected result is improving the stability of the stability of the Java-Bali System, increasing electricity supply at peak load and increasing the mix of new renewable energy.

8. Scope of Works

Construction of the Matenggeng Pumped Storage Power Plant with a capacity of 943 MW, Transmission Line 500 kV, and extension related substations, including consultancy services, construction/physical development activity, construction supervision/management, and commissioning.

9. Outputs

Pumped Storage Hydropower Plant with a capacity of 943 MW.

10. Outcomes

- a. Additional 943 MW power supply to the system in Jawa Bali;
- b. Minimum Reserve Margin in Jawa Bali 33,8% at 2034 (RUPTL 2025-2034 ARED scenario);
- c. Renewable energy mix 27,49% in Jawa Bali at 2034 (RUPTL 2025-2034 ARED scenario).

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 1,000,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 161,400,000 - Others (RM) : US\$ 0
<hr/> Subtotal : US\$ 1,000,000,000	<hr/> Subtotal : US\$ 161,400,000
TOTAL : US\$ 1.161,400,000	

1. Project Title	: Pokko Hydroelectric Power Plant
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT PLN (Persero)
4. Implementing Agency	: PT PLN (Persero)
5. Duration	: 56 months
6. Location	: South Sulawesi Province (Pinrang Regency)

7. Objectives

The expected result is an additional supply of power to the sub-system in South Sulawesi and contribution to the supply of renewable energy in the generation system in Sulawesi.

8. Scope of Works

Continuation of the construction of the Pokko Hydroelectric Power Plant with a capacity of 124,5 MW, Transmission Line 275 kV, and related substations, including/physical construction, construction supervision/management, and commissioning.

9. Outputs

- a. Hydroelectric power plant reservoir type with a capacity of 124,5 MW;
- b. Transmission Line 275 kV PLTA Pokko - GITET Bakaru 2 is 20 kilometer route.

10. Outcomes

- a. Additional 124,5 MW power supply to the system in South Sulawesi;
- b. Minimum Reserve Margin in South Sulawesi above 30% (RUPTL 2025-2034);
- c. Renewable energy mix 64,3% in South Sulawesi at 2034 (RUPTL 2025-2034 ARED scenario).

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 343,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 43,183,000 - Others (RM) : US\$ 0
<hr/> Subtotal : US\$ 343,000,000	<hr/> Subtotal : US\$ 43,183,000
TOTAL : US\$ 386,183,000	

-
- 1. **Project Title** : Cilacap Bio Refinery/Cilacap Green Refinery
 - 2. **Program Title** : On-Lending (Energy Self-Sufficiency)
 - 3. **Executing Agency** : PT Pertamina (Persero)
 - 4. **Implementing Agency** : PT Kilang Pertamina Internasional
 - 5. **Duration** : 36 months
 - 6. **Location** : Cilacap, Central Java
-

7. Objectives

- a. Supporting Government program to increase the usage of renewable energy in national energy consumption to achieve national energy security;
- b. Utilization of domestic natural resources based on waste (Used Cooking Oil) become renewable energy Green Diesel (HVO/Hydrotreated vegetable Oil) and Green Avtur (SAF/Sustainable Aviation Fuel).

8. Scope of Works

Development of Bio Refinery with capacity 6,000 barrels/day with its supporting facilities (HMU, utilities, tankage, etc.).

9. Outputs

Bio Refinery with capacity 6,000 barrels/day with target operation in 2029.

10. Outcomes

Producing Green Diesel/HVO 5,500 barrels/day or Green Avtur /SAF 5,400 barrels/day.

11. National Priorities in RPJMN 2025-2029

- a. Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy;
- b. Continuing Downstream Industrialization and Developing Natural Resources-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding <li style="padding-left: 20px;">- Loan : US\$ 446,100,000 <li style="padding-left: 20px;">- Grant : US\$ 0 <li style="border-top: 1px solid black; padding-top: 5px;">Subtotal : US\$ 446,100,000 	<ul style="list-style-type: none"> ● Counterpart Funding <li style="padding-left: 20px;">- Central Government : US\$ 0 <li style="padding-left: 20px;">- Regional Government : US\$ 0 <li style="padding-left: 20px;">- State-Owned Enterprise : US\$ 684,900,000 <li style="padding-left: 20px;">- Others (RM) : US\$ 0 <li style="border-top: 1px solid black; padding-top: 5px;">Subtotal : US\$ 684,900,000
TOTAL : US\$ 1,131,000,000	

1. Project Title	: Ulubelu Extension 1 Geothermal Powerplant Project
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT Pertamina (Persero)
4. Implementing Agency	: PT Pertamina Geothermal Energy Tbk
5. Duration	: 36 months
6. Location	: Lampung

7. Objectives

- a. Increasing the use of renewable energy, specifically geothermal energy utilization;
- b. Reducing fuel subsidies for the power sector through the use of geothermal technology;
- c. Enhancing the stability of electricity supply within the Southern Sumatra power system, particularly in Lampung Province;
- d. Energy transition through geothermal utilization toward Net Zero Emissions by 2060;
- e. Strengthening national energy security.

8. Scope of Works

- a. Construction of exploration drilling infrastructure in the existing geothermal working area (Brown Field);
- b. Exploration drilling of geothermal wells;
- c. Construction of exploitation infrastructure and development of the Geothermal Power Plant (PLTP);
- d. Exploitation drilling of geothermal wells;
- e. Construction of production and reinjection pipeline network (EPCC FCRS);
- f. Construction of 55 MW Geothermal Power Plant (EPCC PLTP 55 MW).

9. Outputs

55 MW Electricity Generation

10. Outcomes

55 MW Geothermal Powerplant

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan : US\$ 135,160,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 91,500,000 - Others (RM) : US\$ 0
Subtotal : US\$ 135,160,000	Subtotal : US\$ 91,500,000
TOTAL : US\$ 226,660,000	

1. Project Title	: Lumut Balai Unit 3 Geothermal Powerplant Project
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT Pertamina (Persero)
4. Implementing Agency	: PT Pertamina Geothermal Energy Tbk
5. Duration	: 36 months
6. Location	: Palembang

7. Objectives

- a. Increasing the use of renewable energy, specifically geothermal energy utilization;
- b. Reducing fuel subsidies for the power sector through the use of geothermal technology;
- c. Enhancing the stability of electricity supply within the Southern Sumatra power system, particularly in South Sumatra Province;
- d. Energy transition through geothermal utilization toward Net Zero Emissions by 2060;
- e. Strengthening national energy security.

8. Scope of Works

- a. Construction of exploration drilling infrastructure in the existing geothermal working area (Brown Field);
- b. Exploration drilling of geothermal wells;
- c. Construction of exploitation infrastructure and development of the Geothermal Power Plant (PLTP);
- d. Exploitation drilling of geothermal wells;
- e. Construction of production and reinjection pipeline network (EPCC FCRS);
- f. Construction of 55 MW Geothermal Power Plant (EPCC PLTP 55 MW).

9. Outputs

55 MW Electricity Generation

10. Outcomes

55 MW Geothermal Powerplant

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	158,860,000	- Central Government	: US\$	0
			- Regional Government	: US\$	0
- Grant	: US\$	0	- State-Owned Enterprise	: US\$	114,400,000
			- Others (RM)	: US\$	0
<hr/>			<hr/>		
Subtotal	: US\$	158,860,000	Subtotal	: US\$	114,400,000
TOTAL : US\$ 273,260,000					

1. Project Title	: Lumut Balai Unit 4 Geothermal Powerplant Project
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT Pertamina (Persero)
4. Implementing Agency	: PT Pertamina Geothermal Energy Tbk
5. Duration	: 36 months
6. Location	: Palembang

7. Objectives

- a. Increasing the use of renewable energy, specifically geothermal energy utilization;
- b. Reducing fuel subsidies for the power sector through the use of geothermal technology;
- c. Enhancing the stability of electricity supply within the Southern Sumatra power system, particularly in South Sumatra Province;
- d. Energy transition through geothermal utilization toward Net Zero Emissions by 2060;
- e. Strengthening national energy security.

8. Scope of Works

- a. Construction of exploration drilling infrastructure in the existing geothermal working area (Brown Field);
- b. Exploration drilling of geothermal wells;
- c. Construction of exploitation infrastructure and development of the Geothermal Power Plant (PLTP);
- d. Exploitation drilling of geothermal wells;
- e. Construction of production and reinjection pipeline network (EPCC FCRS);
- f. Construction of 55 MW Geothermal Power Plant (EPCC PLTP 55 MW).

9. Outputs

55 MW Electricity Generation

10. Outcomes

55 MW Geothermal Powerplant

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

• Foreign Funding			• Counterpart Funding		
- Loan	: US\$	148,970,000	- Central Government	: US\$	0
- Grant	: US\$	0	- Regional Government	: US\$	0
			- State-Owned Enterprise	: US\$	118,970,000
			- Others (RM)	: US\$	0
Subtotal	: US\$	148,970,000	Subtotal	: US\$	118,970,000
TOTAL	: US\$	267,940,000			

1. Project Title	: Lahendong Unit 7&8 Geothermal Powerplant Project
2. Program Title	: On-Lending (Energy Self-Sufficiency)
3. Executing Agency	: PT Pertamina (Persero)
4. Implementing Agency	: PT Pertamina Geothermal Energy Tbk
5. Duration	: 42 months
6. Location	: North Sulawesi

7. Objectives

- a. Increasing the use of renewable energy, specifically geothermal energy utilization;
- b. Reducing fuel subsidies for the power sector through the use of geothermal technology;
- c. Enhancing the stability of electricity supply within the Sulawesi power system, particularly in North Sulawesi Province;
- d. Energy transition through geothermal utilization toward Net Zero Emissions by 2060;
- e. Strengthening national energy security.

8. Scope of Works

- a. Construction of exploration infrastructure and development of the Geothermal Power Plant (PLTP);
- b. Exploration drilling (Production and Injection) of geothermal wells;
- c. Construction of production and reinjection pipeline network (EPCC FCRS);
- d. EPCC of 2x20 MW Condensing Units;
- e. EPCC of 10 MW Binary Unit.

9. Outputs

50 MW in Total for Electricity Generation

10. Outcomes

Geothermal Powerplant consist of 2x20 MW condensing units + 10 MW binary plant.

11. National Priorities in RPJMN 2025-2029

Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 170,040,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 111,990,000 - Others (RM) : US\$ 0
<hr/> Subtotal : US\$ 170,040,000	<hr/> Subtotal : US\$ 111,990,000
TOTAL : US\$ 282,030,000	

-
- 1. **Project Title** : **Bio Refinery Sumatera**
 - 2. **Program Title** : On-Lending (Energy Self-Sufficiency)
 - 3. **Executing Agency** : PT Pertamina (Persero)
 - 4. **Implementing Agency** : PT Kilang Pertamina Internasional
 - 5. **Duration** : 36 months
 - 6. **Location** : Palembang, South Sumatera
-

7. Objectives

- a. Supporting Government program to increase the usage of renewable energy in national energy consumption to achieve national energy security;
- b. Utilization of domestic natural resources based (Crude Palm Oil) become renewable energy Green Diesel (HVO/Hydrotreated Vegetable Oil) and Green Avtur (SAF/Sustainable Aviation Fuel).

8. Scope of Works

Development of Bio Refinery with capacity 20,000 barrels/day with its supporting facilities (HMU, utilities, tankage, etc.)

9. Outputs

Bio Refinery with capacity 20,000 barrels/day with target operation in 2031.

10. Outcomes

Producing Green Diesel/HVO 19,000 barrels/day or Green Avtur/SAF 14,000 barrels/day.

11. National Priorities in RPJMN 2025-2029

- a. Enhancing the National Defense and Security System and Promoting National Independence through Self-Sufficiency in food, Energy, Water, Sharia Economy, Digital Economy, Green Economy, and Blue Economy;
- b. Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to Increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan : US\$ 515,500,000 - Grant : US\$ 0 <hr style="width: 100%;"/> <p>Subtotal : US\$ 515,500,000</p>	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 800,200,000 - Others (RM) : US\$ 0 <hr style="width: 100%;"/> <p>Subtotal : US\$ 800,200,000</p>
TOTAL : US\$ 1,315,700,000	

Regional Health Services

1. Project Title	: RSUD dr Mohammad Zyn Sampang Regency Building Construction Project
2. Program Title	: On-Lending (Regional Health Services)
3. Executing Agency	: Local Government at Sampang Regency
4. Implementing Agency	: RSUD dr Mohammad Zyn Sampang
5. Duration	: 36 months
6. Location	: East Java province, Local Government at Sampang Regency

7. Objectives

- a. Become a class B education hospital and referral center in the Madura region;
- b. Excellent products of cancer, heart, nerve and urology;
- c. The creation of a health service in accordance with Ministry of Health /International Standard.

8. Scope of Works

- a. Hospital Building;
- b. Medical Equipment;
- c. Hospital Information System;
- d. Education (Non Degree) and Training
- e. Consulting Services.

9. Outputs

- a. The availability of The dr Mohammad Zyn Hospital building in Sampang Regency with 336 beds with service facilities in accordance with the standards of Ministry of Health;
- b. dr Mohammad Zyn Regional Hospital in Sampang Regency has 3 floors for outpatient, inpatient, intensive care and diagnostic support services, including administration rooms, offices, places of worship, parks and other public facilities;
- c. Availability of cancer services (radiodiagnostics, radiotherapy, chemotherapy and nuclear radiology).

10. Outcomes

- a. Increasing SKM which is currently only 83.9 by creating a sense of comfort and increasing the satisfaction value of patients who come to RSUD dr Mohammad Zyn Sampang Regency;
- b. Increasing income with increased visits;
- c. dr Mohammad Zyn Regional Hospital in Sampang Regency has international standards;
- d. Employment.

11. National Priorities in RPJMN 2025-2029

Strengthening Human Resource Development, Science, Technology, Education, Health, Sports Achievements, Gender Equality, and Empowering Women, Youth, and Persons with Disabilities.

12. Project Cost

<ul style="list-style-type: none"> ● Foreign Funding - Loan :US\$ 58,455,764 - Grant : US\$ 0 	<ul style="list-style-type: none"> ● Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 0
Subtotal : US\$ 58,455,764	Subtotal : US\$ 0
TOTAL : US\$ 58,455,764	

Support for a Green/Sustainable Economy

1. Project Title	: Indonesia Industrial Decarbonization and Competitiveness Facility
2. Program Title	: On-Lending (Support for a Green/Sustainable Economy)
3. Executing Agency	: The Ministry of Industry
4. Implementing Agency	: a. The Ministry of Industry b. The Ministry of Finance
5. Duration	: 84 Months
6. Location	: Indonesia

7. Objectives

Indonesia Industrial Decarbonization and Competitiveness aims to achieve the following objectives:

- d. Increase the efficiency and competitiveness of Indonesia industrial sector, in the global market, by reducing energy and other production costs;
- e. Increase private sector investments, including commercial bank financing, in the adoption of low carbon technologies in Indonesia's industrial sector and support international technology transfer;
- f. Reduce carbon emissions in Indonesia's industrial sector to align with its Nationally Determined Contributions (NDC) and international sustainability commitments.

8. Scope of Works

- f. Establish a financing platform dedicated to industrial decarbonization and competitiveness enhancement investments (Indonesia Industrial Decarbonization and Competitiveness Facility (IDCF)), to be housed under an existing government institution or state-owned enterprise, to facilitate financing through blended finance, risk mitigation and co-financing features for industrial decarbonization and competitiveness enhancement in high energy consumption and emissions sectors, including but not limited to cement, metal (iron and steel, nickel, aluminium), pulp and paper, textiles, chemicals, food and beverage and industrial parks;
- g. Provide capacity building to industrial decarbonization eco-system actors, including industry associations and companies, green industry service companies, technology providers, commercial banks to help develop new business models, raise awareness and information of low-carbon technologies, help develop project pipeline and support in appraising risks and rewards if these projects;
- h. Provide technical assistance to government institutions to strengthen policy and regulatory frameworks to facilitate low-carbon industrial transformation.

9. Outputs

- a. Sustainable Financing Mechanisms Established:
 - Establishment of IDCF to finance and facilitate industrial decarbonization investments (y/n);
 - Set up risk mitigation mechanism to support lending by commercial banks (y/n);
 - Development of green financing products among local banks (y/n).

- b. Policy and Regulatory Improvements:
 - Emissions trading allowances system in the industrial sector is established and operational (y/n);
 - Effective collection and tracking of emissions data in the industrial sector is in place and operational (y/n).
- c. Capacity Building and Knowledge Transfer:
 - Training programs have been developed and launched (y/n);
 - Awareness campaigns have been designed and initiated (y/n);
 - Capacity of service providers has been improved (y/n);
 - Number of case studies developed and disseminated (number);
 - Number of workshops with key stakeholders organized and delivered (number of events, number of participants).
- d. Market Development Implemented:
 - Number of energy audits and feasibility studies developed (number);
 - Number of GISCOs and ESCOs established and operational (number).

10. Outcomes

The outcomes of the activity will be:

- a. Enhanced industrial competitiveness in global markets through cost reductions from energy savings and other improvements and compliance with international carbon regulations and requirements;
- b. Reduced GHG emissions from the industrial sector due to increased investment in energy efficiency and decarbonization projects.

Outcomes indicators:

- e. Reduced CO₂ emissions: 6,000,000 tons of CO₂ emissions reduced per year from industrial decarbonization projects identified, prepared and financed by IDCF;
- f. Energy savings: 5,000 GWh per year savings;
- g. On-site renewable energy installed: 240 MW.

11. National Priorities in RPJMN 2025-2029

Continuing Downstream Industrialization and Developing Natural Resource-Based Industries to increase Domestic Added Value.

12. Project Cost

<ul style="list-style-type: none"> • Foreign Funding - Loan :US\$ 600,000,000 - Grant : US\$ 0 	<ul style="list-style-type: none"> • Counterpart Funding - Central Government : US\$ 0 - Regional Government : US\$ 0 - State-Owned Enterprise : US\$ 0 - Others : US\$ 800,000,000
<hr/> Subtotal : US\$ 600,000,000	<hr/> Subtotal : US\$ 800,000,000
TOTAL : US\$ 1,400,000,000	



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