

Priority Area 2	Improvement of Infrastructure and Social Services to Support Economic Activities												
Development Issue 2-1 Improvement and Strengthening of High-Quality Infrastructure that Supports Economic Activities	<p>【Background and Current Situation】 For Zambia, as a landlocked country, diversification of economic corridors, including exits to the sea and speeding up of cross-border logistics, is of vital importance. Since the current high distribution cost impedes enhancement of international competitiveness, it is essential to improve these infrastructures. In addition, in order for industrial development and economic diversification, stable electricity supply and development of infrastructure such as road and bridges are important. As for electricity supply, Zambia has been dependent on on-grid especially on hydropower. But it has made efforts to diversify energy source by expanding hydropower capacity, strengthening renewable energy with use of abundant solar energy, and installing natural gas pipeline from Angora. At the same time, we need to keep an eye on sustainability of ZESCO's business capacity since its debt is considered as part of public debt that needs to be managed under IMF and G20 schemes. Moreover, given the uncontrolled expansion of metropolitan areas, such as the capital city of Lusaka, due to the increases in the number of birth as well as the influx of people from rural areas following economic progress since the 2000s, it is necessary to consider a systematic urban development plan to ensure sustainable development of the metropolitan regions</p>				<p>【Strategy】 We support the development of economic corridors (e.g. Nacala Corridor, North-South Corridor) that will realize a Free and Open Indo-Pacific (FOIP) in order to strengthen connectivity and integration through quality infrastructure investments while keeping Zambia's socio-economic development at the core, to contribute to the mid and long-term development of the Southern African region. As for electricity power sector, we will continue support for human resource development. With regards to urban development and transportation, we will contribute to the reduction of logistics and production costs and to the boosting of the productivity of domestic industries through the sustainable and orderly infrastructure developments using DX and ICT for Lusaka, a city with a high concentration of industries and a traffic node for multiple economic corridors. In addition, to promote and deepen cooperation among industry, government and academia, we will support the development of human resources required for the resilient social infrastructure and efficient maintenance, and infrastructure development.</p>								
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)	SDGs	Note
	Program for Infrastructure Development	We will support the infrastructure development that forms the basis of economic activity. Firstly, we will improve the efficiency of urban and interregional transport, focusing on ICT, and sustainable electricity supply in line with economic efficiency, to reduce production costs and increase productivity in industries. Secondly, we will work to expand market access for the domestic sector by improving international and interregional transport efficiency.	Bridge Maintenance Capability Building Project in Zambia (Phase II)	TCP	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026	7.01	3,8,9	
			Preparatory Survey for the Project for Construction of Luangwa Bridge	PS	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026			
			Kazungula Bridge Construction Project	LA	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026	28.77	3,8,9	
			The Project for Capacity Development on Smooth Operation of OSBPs on the North-South Transport Corridor	TCP	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026			
			Data Collection Survey on Urban Transportation of Lusaka City in the Republic of Zambia	BIS	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026			
			Project for the Formulation of an Integrated Development Plan for the Greater City of Lusaka	TCP	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026	3.58		
			Increased Access to Electricity Service Project	LA	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026	55.11	7,13	
			Core Human Resource Development for Road Asset Management (JFY2021-2023)	CTR	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026			
Training Programme for energy, transport and city planning issues			TR	Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026				

【Background and Current situation】
 Almost half of the population in Zambia is under 18, hence nurturing these generations as quality workforce for the private sector is fundamental for its sustainable economic growth.
 In the education sector, the new administration which was launched in August 2021 made a pledge of free education at public schools (and providing subsidiary for private schools), which contributed to significant increase of enrollment of children. However, issues of shortage of classrooms and class time have also become obvious. In terms of hiring new teachers (approx.30,000), another government pledge, the needs of training teachers, maintenance and improvement of their service quality are recognized. Not only class room shortage, other issues are also addressed; lack of hygiene facility such as toilet, shortage of dormitory, extremely poor access to schools, lack of water supply and electricity, disparity in the education level among schools and regions, lack of consideration for gender-based issues. When we look at schools supported by organizations such as JICA, teachers and students of such schools show a certain enhancement in its quality and academic abilities. However, academic achievement of the country as a whole still needs to be addressed.
 In the health sector, index of mortality rate under five years old, infant and pregnant mother has seen improvement, but it has still not reached the SDGs index level and requires further efforts. Furthermore, in light of the recent global pandemic, there is an urgent need for early disease detection as well as development of a management mechanism. Waterborne diseases such as cholera are commonly seen due to poor sanitation especially in unplanned urban areas. And a large number of COVID-19 cases have been confirmed in such area. Thus, it is necessary to improve access to water supply, sewage systems and waste management.

【Strategy】
 We aim to build the foundation for the mid to long-term economic growth by enhancing Zambia's social services. In the education and human resource development sectors, under the "Learning Strategy for Peace and Growth", we will provide support to enhance the quality of science and mathematics education, with the STEM Education Centre as the core of its strategy for improving children's learning. We will also consider ways to enhance Japanese language education to foster the Japanese business culture and attract interest in Japan from young people, as such wishes expressed by the Zambian government.
 In the health sector, in order to achieve Universal Health Coverage, we will support the system development to ensure that people have access to quality primary health services (development of Level 1 hospitals and strengthening of hospital management capacity). From the viewpoint of One Health, we will also provide support for establishing health surveillance systems necessary to enhance responsiveness to public health crisis and pandemic including COVID-19, and strengthening networks with neighbouring countries, and capacity building for researchers and engineers. In particular, in order to detect COVID-19 variants, we provide support to enhance the ability to establish and manage testing systems while taking advantage of the existing cooperation and trust relation between Japanese and Zambian universities and research institutions.
 Furthermore, in view of the continuing high prevalence of waterborne diseases in the context of widespread groundwater contamination, we will provide support to improve access to safe water, particularly in urban areas, and

Development Issue 2-2
 Development of a Sustainable Society that Supports Economic Activities

Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)	SDGs	Note		
				Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026					
Program for Social Development	We will enrich basic education (especially in science and mathematics) as a basis for acquiring knowledge and skills, improve health and medical services to maintain health, including measures against COVID-19, improve water supply and sanitation, and strengthen waste management and administration capacity.	Project for the Improvement of Performance at Primary and Junior Secondary Level: Learner-Centred Constructivist Textbooks in Science and Mathematics	TCP		■	■	■	■	■	■	5.01	4		
		Mathematics Experts Comprehensive Approach for improving the Quality of Learning in Numeracy from Early Childhood Education level to Grade 4	EXP	■										
		The Project for Enhancement of Science and Mathematics Education at STEM Secondary Schools	PS		■									
		Improvement of Pedagogical Content Knowledge of Mathematics and Science Educators in SMASE Africa	TTR	■	■	■	■	■	■	■	■			
		Improvement in Children's learning	CTR		■	■	■	■	■	■	■			
		Grant Aid for Grassroots Human Security Projects for education sector	GGP	■	■	■	■	■	■	■	■	0.08	4	
		Advisor of Infectious Disease Control	EXP	■	■	■	■	■	■	■	■			
		The Project for Strengthening Surveillance Capacity included Covid-19 Measures in Zambia National Public Health Laboratory	TCP	■	■	■	■	■	■	■	■	2.00	3	
		Project for Strengthening Laboratory-based Surveillance for Infectious Diseases	TCP				■	■	■	■	■	6.00	3	
		Project for Epidemiology of zoonotic virus infections in Africa	STC	■	■	■	■	■	■	■	■			
		PREPARE for Emerging and Re-emerging Infectious Diseases in Southern Africa Region (Third country training)	TTR		■	■	■	■	■	■	■			
		Fostering Global Leaders on Infectious Disease Control to Build Resilience against Public Health Emergencies	CTR	■	■	■	■	■	■	■	■			
		Project for Strengthening Management Capacity of General Hospitals in Lusaka District	TCP	■	■	■	■	■	■	■	■	5.41	3	
		The Economic and Social Development Programme	GA	■	■	■	■	■	■	■	■	5	3	
Project for Upgrading Health Centres to District Hospitals in Copperbelt Province	GA	■	■	■	■	■	■	■	■	26.54	3			
The Economic and Social Development Programme	GA	■	■	■	■	■	■	■	■	2	3			
Grant Aid for Japanese NGOs Projects in Health Sector	GANP	■	■	■	■	■	■	■	■	0.88	3			

		The Economic and Social Development Programme	GA							3	12	
		The Lusaka Clean City Project	TCP							4.19	12	
		Creating Leaders for African Clean Cities (JFY2021-2023)	CTR									
		Training Programme in Education, Health, Water and Sanitation Sector	TR									
		Japan Overseas Cooperation Volunteers in Education(including Japanese education) and Health Sector	JOCV									

Others	Other Sectors											
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					Before JFY 2021	JFY 2022	JFY 2023	JFY 2024	JFY 2025	JFY 2026			
Others	Others		Data Collection Survey against Forest Fires on Amazon Basin and Southern African Areas in Zambia	BIS									
			The Project for Visualization of impact of chronic/latent chemical hazard and Geo-Ecological Remediation in Zambia (KAMPAL project)	STC							4.58	9	
			Protection and Support of refugees and others of concern in Zambia in a variety of areas (UNHCR)	GA							1.23	1,2,4,8	
			Prevention measure support against spread of infection for refugees and their host communities influenced by COVID-19 in Zambia (UNHCR)	GA							1.13	3,4,5,6	
			Project for the Improvement of Equipment for Research, Conservation, Exhibition and Education at the Livingstone Museum	PS									
			Advisor on Local Integration of Former Refugees	EXP									
			Project for Promoting Local Integration of Former Refugees in Mayukwayukwa and Meheba	TCDP							4.79	16,17	
			Grant Aid for Japanese NGOs Projects in Former Refugee Integration Sector	GAMP							0.34	16	
			SDGs Global Leader	CTR									
			Local Governance with Community Participation	CTR									
		Japan Overseas Cooperation Volunteers in Local Integration of Former Refugees	JOCV										

Legend: [PS] = Preparatory Survey, [DD] = Detailed Design, [TCP] = Technical Cooperation Project, [TCDP] = Technical Cooperation for Development Planning, [EXP] = Expert, [EQ] = Equipment, [CTR] = Country-focused Training, [TR] = Issue-based Training / Training Program for Young Leaders, [JOCV] = Japan Overseas Cooperation Volunteers, [TEXP] = Third-country Expert, [TTR] = Third-country Training, [ICT] = In-Country Training, [STC] = Science and Technology Cooperation on Global Issues, [JPP] = JICA Partnership Program, [xx-TA] = Technical Assistance implemented by organizations other than MOFA and JICA, [PCP-TC] = Private Companies Proposed-Technical Cooperation, [GA] = Grant Aid, [GAF]=Grant Aid for Fishery, [FA]=Food Aid, [CGA]=Cultural Grant Assistance, [CCGP]=Grant Assistance for Cultural Grassroots Projects, [EGA]=Emergency Grant Aid, [GANP]=Grant Aid for Japanese NGOs Projects, [GGP]=Grant Aid for Grassroots Human Security Projects, [LA] = Loan Aid (ODA Loan), [BIS] = Basic Information Survey, [ML] = Multilateral Cooperation, [SME PPS]=Small and Medium-Sized Enterprise (SME) Partnership Promotion Survey, [SDGs BMFS]=SDGs Business Model Formulation Survey with the Private Sector, [SDGs BVS]=SDGs Business Verification Survey with the Private Sector, Solid Line [—] = Schedule, Dash Line [- - -] = Tentative Schedule
[SDGs Goals Targets]: 1「No Poverty」, 2「Zero Hunger」, 3「Good Health and Well-Being」, 4「Quality Education」, 5「Gender Equality」, 6「Clean Water and Sanitation」, 7「Affordable and Clean Energy」, 8「Decent Work and Economic Growth」, 9「Industry, Innovation and Infrastructure」, 10「Reduced Inequalities」, 11「Sustainable Cities and Communities」, 12「Responsible Consumption and Production」, 13「Climate Action」, 14「Life Below Water」, 15「Life on Land」, 16「Peace, Justice and Strong Institutions」, 17「Partnerships for the Goals」
[Outline of SDGs]:https://www.mofa.go.jp/mofaj/gaiko/oda/sdgs/pdf/SDGs_pamphlet.pdf