

	<p>[Background and current situation]</p> <p>● In the National Development Plan (2018-2022), the Government of Iraq positions the Agricultural Sector as a priority in terms of industrial diversification with an importance on development in this sector. However, grain production, the food self-sufficiency rate and the competitiveness of agricultural products remain low due to high dependency on the importation of food, deteriorated irrigation facilities and salt damage. The challenges to be addressed in this sector are seen as follows; the construction of related infrastructure (including the construction of irrigation systems and fertilizer plants), technical cooperation (e.g. improvement of agricultural technology), improvement of the productivity of agricultural products (with focus on the production of wheat and horticultural products which is anticipated to have the highest potential in the development of the Agricultural Sector) .</p>			<p>[Strategy]</p> <p>● To avoid overdependence of the Iraq Economy on its Energy Sector and promote industrial diversification in Iraq. Japan will consider providing assistance with technology utilized by Japanese Companies and also to streamline the implementation of the on-going ODA loan projects in the Agricultural, Irrigation and Industrial Sectors.</p> <p>● Japan will consider providing technical assistance (such as training in Japan and third party countries) in the related on-going ODA loan projects where possible.</p> <p>● Implementation of Technical Cooperation Projects and the provision of experts in the Kurdistan Region as well as the same consideration for Northern Iraq due to its high agricultural potential and a more stable security situation.</p>								
<p>Development Issue 1-2 (Sub Objective) Agricultural, Mining and Industrial Sectors Development</p> <p>Agricultural Productivity Enhancement Program</p>	<p>Japan's Assistance Program</p>	<p>Program Summary</p>	<p>Project</p>	<p>Scheme</p>	<p>Schedule</p> <p>Before JFY 2017 JFY 2018 JFY 2019 JFY 2020 JFY 2021 JFY 2022</p>						<p>Assistance Amount (100 Million Yen)</p>	<p>Note</p>
		<p>This program is to promote, the implementation of Japan's ODA Loan Projects and Human Resources Development in Central and Southern Regions of Iraq through training in Japan and third party countries. The program will also formulate technical cooperation projects aimed at stable food supply and income generation of small-scale farmers in the Southern region where security situation is comparatively stable as well as the implementation of the strengthening of Agricultural Administration and transfer of Irrigation Technology</p>	<p>Project for Sustainable Irrigation Water Management through Water Users Associations</p>	<p>TCP</p>							<p>5.46</p>	
			<p>Extention of Modern Agricultural Technology Phase 3</p>	<p>TTR</p>							<p>1.09</p>	
			<p>Issue-Based Training for Agriculture Sector</p>	<p>TR</p>								
			<p>Khor Al-Zubair Fertilizer Plant Rehabilitation Project</p>	<p>LA</p>							<p>181.20</p>	
			<p>Irrigation Sector Loan</p>	<p>LA</p>							<p>95.14</p>	
		<p>Irrigation Sector Loan (Phase 2)</p>	<p>LA</p>							<p>154.65</p>		

Priority Area 2	Strengthening economic basic infrastructure										
Development Issue 2-1 (Sub Objective) Electricity Sector	<p>[Background and current situation]</p> <p>● In the National Development Plan (2018-2022), the Government of Iraq has targeted achieving an adequate supply of electricity through the strengthening of the electricity supply system in the country. Currently, the national generation capacity is hovering around 13,300 MW (as of 2016) and the peak national demand is estimated to be more than 21,500 MW and hence the construction and rehabilitation of Power Plants and ancillaries for power generation, transmission and distribution have been treated as an urgent issue. Having said this, on a national scale, the electricity supply is unstable. In addition, the unstable electricity supply situation has sparked frequent demonstrations criticizing this and particularly during the summer months. The unstable electricity supply situation also contributes to a noticeable disincentive for development in Social Sectors such as Medical Care and Water Supply as well as the Industrial Sector which has at times lead to social unrest.</p> <p>● In order to eliminate the electricity shortage, identified needs are the improvement of the infrastructure (which includes the construction of large-scale thermal power plants and the rehabilitation of aging facilities for the generation, transmission and distribution of electricity) and the development of Human Resources (including the formulation of the systematic plans and implementation of these into associated projects).</p>				<p>[Strategy]</p> <p>● While increasing the effectiveness of ongoing projects, Japan will consider formulating new ODA loan projects for the sector in which Japanese Technology can be utilized, taking into account, the strong interest of Japanese companies in the Electricity Sector.</p> <p>● Technical Assistance - The development of Human Resources and Operational Capacity of the Administrative Organizations is paramount and in addition, assistance in improving areas such as energy efficiency, the promotion of renewable energy and environmental conservation is to be considered.</p>						
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)
Power supply system improvement program	This program is to provide assistance related to power generation, transmission and transformation etc.	Country-focused Training for Electricity Sector	CTR	Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021	JFY 2022	0.68	
		Issue-based Training for Electricity Sector	TR								
		Institutional Capacity Building and Technical Skills Improvement on Electricity for Iraq	TTR							1.96	
		Electricity Sector Reconstruction Project	LA							325.90	
		Al-Mussaib Thermal Power Plant Rehabilitation Project	LA							367.64	
		Electricity Sector Reconstruction Project in Kurdistan Region	LA							147.47	
		Deralok Hydropower Plant Construction Project	LA							169.96	
		Hartha Thermal Power Station Rehabilitation Project	LA							202.24	
		Electricity Sector Reconstruction Project (Phase2)	LA							537.71	
		Electricity Sector Reconstruction Project (Phase3)	LA							272.20	
		Hartha Thermal Power Station Rehabilitation Project (Phase2)	LA							215.56	

Development Issue 2-2 (Sub Objective) Transportation and Telecommunication infrastructure improvement	[Background and current situation] ● Due to the aging Transportation Infrastructure in Iraq, it is seen to be a hinderance to Logistical Supply Chains in the country. Hence, the upgrading and rehabilitation of deteriorated port facilities with the main focus on the two major ports in Southern Iraq, Umm Qasr Port and Khor Al-Zubair, are considered as an urgent issue which should also be accompanied with formulation of a comprehensive development plan considering other ports. ● The Communications Infrastructure (telephone, postal service and internet) is underdeveloped and is also identified as an obstacle to ensuring positive economic activity and a stable people's daily life within Iraq. It is therefore necessary to improve the domestic and international communication network of the country.			[Strategy] ● While increasing the effectiveness of ongoing projects, Japan will consider formulating new ODA loan projects for the sector in which Japanese Technology can be utilized, taking into account, the strong interest of Japanese companies in the Transport and Communications Sector. ● Technical cooperation - Japan will consider Projects that are expected to generate synergistic effects in conjunction with the on-going ODA loan Projects.								
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)	Note
					Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021	JFY 2022		
	Transportation and telecommunication infrastructure	● This program is to provide assistance for developing ports, roads, bridges, telecommunication etc.	Port Sector Rehabilitation Project (Phase2)	LA							391.18	
			Samawah Bridges and Roads Construction Project	LA							33.48	
		Communications Network Development Project for Major Cities	LA							116.74		
		Issue-based Training for Port and Road Sector	TR									

Priority Area 3	Basic Living Infrastructure Rehabilitation									
Development Issue 3-1 (Sub Objective) Medical Services Improvement	[Background and current situation] ●The Health Sector in Iraq has drastically deteriorated due to wars and sanctions since the1980's as well as aging medical facilities and a drain of medical personnel from the country. Iraq has recorded continuously low health indicators: under-five mortality rate is 31 % as of 2016 (the average rate in the Middle East and North Africa Region is 24%). Aging facilities and equipment are not upgraded well; and pharmaceutical products and medical equipment are insufficient and not up to standard. The Government of Iraq acknowledges this in its National Development Plan (2018-2022) and identifies issues such as improvement of the health system and ways of providing health services as well as rehabilitation of health institutes affected by the above mentioned situations and has attempted to solve such issues.			[Strategy] ●In the Healthcare and Medical Sectors, Japan will provide assistance based on the following policies with "Basic Design for Peace and Health" in mind: ・ While steadily implementing the on-going ODA loan projects in the Sector, Japan will consider formulating new ODA loan projects in the Sector in which the technology used by Japanese companies can be utilized. In addition, Japan will consider situations where Japanese NGOs and University Hospitals have been engaged in (or have considered being engaged in) medical activities in Iraq and continue or pursue cooperation with such institutions. ・ Japan will consider providing the technical cooperation that will enhance effectiveness of development in conjunction with the on-going projects. Japan will also assist in the proactive training of medical staff who may be operating/in charge of medical equipment granted by Japan to ensure the operational longevity.						
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule Before JFY 2017 JFY 2018 JFY 2019 JFY 2020 JFY 2021 JFY 2022 Assistance Amount (100 Million Yen) Note					
	Hospital rehabilitation program	This program is to provide assistance for establishing a nation-wide referral system ranging from primary care to higher medical services.	Health Sector Reconstruction Project	LA						
	Medical staffs' capability development program	This program is to develop administrative and financial capability of health and and medical staff.	Country-focused Training for Health Sector	CTR						
Development Issue 3-2 (Sub Objective) Development of Education and Cultural Environment	[Background and current situation] ●It was widely accepted that the educational system of Iraq was at its highest level in the Middle East until the1980's; however, it has deteriorated due to loss of efficiency of the system, outflow of human resources caused by longstanding disputes and dilapidated educational institutions and facilities. The improvement of education-related infrastructures and educational systems, the reinforcement of higher education institutions as well as the capacity building of teachers are required.			[Strategy] ●In the educational sector, Japan will provide assistance with the "Learning Strategy for Peace and Growth" in mind. ●Japan will provide assistance for the development of education-related infrastructure, educational planning and management.						
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule Before JFY 2017 JFY 2018 JFY 2019 JFY 2020 JFY 2021 JFY 2022 Assistance Amount (100 Million Yen) Note					
Education System Improvement Program	This program is to provide assistance for rehabilitation of infrastructure on the education and improvement of education system, etc.	Country-focused Training for Education Sector	CTR							

[Background and current situation]

●Water Supply: In Iraq, safe water used to be broadly distributed before the Gulf War. However, many facilities have not been properly maintained and new investment for these facilities has rarely been made. In addition, Iraq has been faced with the issue regarding the water flow amount from upstream neighboring countries. Especially in Basrah, the second largest city in Iraq, it became difficult to maintain a stable supply of drinking water while water salination plants have also deteriorated.

●Sewerage: The existing facilities are significantly deteriorated even in Baghdad, where the system is partially maintained and in other rural areas, there are few sewage systems which has a serious affect on public hygiene and can be the source of outbreaks of diseases such as cholera. In addition, appropriate solid waste management facilities such as sanitary landfills are not constructed enough, which causes concern on environmental contamination including groundwater pollution by the penetration of untreated leachate.

●Natural Environment: Iraq is susceptible to climate change caused by the decrease in percipitation since the country is located in a desert climate. Although Iraq ratified the United Nations Framework Convention on Climate Change, its policies or projects to reduce greenhouse gases remain to be seen. Support is required under such situation.

[Strategy]

●Japan will steadily implement the on-going ODA loan projects and consider further assitance in which Japanese technology can be utilized, taking into account the strong interest of Japanese companies in these sectors.

●Technical Cooperation - Japan will consider projects that will especially enhance the effectiveness of development in conjunction with the ODA loan projects.

Development Issue
3-3
(Sub Objective)

Improvement of
Water, Sewage
and
Environment

Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)	Note
				Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021	JFY 2022		
Water supply and urban sanitation program	This program is to provide assistance for water supply, sewerage and waste management, etc.	Issue-based Training for Environment Sector	TR	■							
		Country-focused Training for Environment Sector	CTR	■	■	■				0.64	
		Basrah Water Supply Improvement Project	LA	■	■					429.69	
		Water Supply Improvement Project in Kurdistan Region	LA	■	■	■				342.66	
		Baghdad Sewerage Facilities Improvement Project (Engineering Services)	LA	■	■	■				21.41	
		Water Supply Sector Loan Project in Mid-Western Iraq	LA	■	■	■	■	■		412.74	
		Sewerage Construction Project in Kurdistan Region (I)	LA	■	■	■	■	■	■	344.17	
		Basrah Water Supply Improvement Project (II)	LA	■	■	■	■	■	■	194.15	

Priority Area 4	Strengthening governance																							
Development Issue 4-1 (Sub Objective)	<p>【Background and current situation】</p> <p>●Capacity development of administrative agencies:Measurable progress have been seen in Iraq as a stable democratic state through events such as smooth implementation of provincial and national elections. However, Iraq has experienced significant outflow and loss of personnel in turmoil after the war, and the government is still enroute to determine the relation of authority between the federal government and the local governorates. In this regard, capacity development of the administrative agencies is crucially important for Iraq to provide fair public services including social services and elections. It is also important to strengthen management capacity of public finance and public projects and to improve the legal system in order to facilitate development projects and encourage private investment.</p> <p>●Capacity Development of Police and other Security Authorities: The security situation in Iraq including its capital Baghdad, is still in a volatile condition due to suicide bombings and other hostile attacks by ISIL. The capacity development of police and other security authorities is critically needed.</p>				<p>【strategy】</p> <p>●While increasing the effectiveness of the on-going projects, Japan will continue its assistance to encourage administrative and fiscal reform efforts in light of the financial crisis in Iraq.</p> <p>●While increasing the effectiveness of the on-going projects, Japan will continue its technical cooperation related to achieving the stability of Iraq and counterterrorism measures as much as possible.</p>																			
	National Reconciliation, Democratization and Capacity Development of the Administrative Agencies	Japan's Assistance Program	Program Summary	Project	Scheme	<table border="1"> <thead> <tr> <th colspan="6">Schedule</th> <th rowspan="2">Assistance Amount (100 Million Yen)</th> <th rowspan="2">Note</th> </tr> <tr> <th>Before JFY 2017</th> <th>JFY 2018</th> <th>JFY 2019</th> <th>JFY 2020</th> <th>JFY 2021</th> <th>JFY 2022</th> </tr> </thead> </table>						Schedule						Assistance Amount (100 Million Yen)	Note	Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021
Schedule						Assistance Amount (100 Million Yen)	Note																	
Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021	JFY 2022																			
"Development Issue 4-2 (Sub Objective) Capacity Development of Police and other Security Authorities"	Capacity development of police and other security authorities	This program is to provide assistance in capacity development of police and border-control, DDR and the creation of job opportunities for militias, etc.	Japan-Iraq Seminar on Knowledge Sharing	CTR	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>0.24</td><td></td></tr> </table>												0.24							
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Project on Strengthening the Capacity for Occupational Safety and Health	TCP	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1.53</td><td></td></tr> </table>												1.53										
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Issue-based Training for Monetary and Fiscal Sector	TR	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																						
Capapcity Building and Technical Skill Improvement for Public Security Phase2	TTR	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1.87</td><td></td></tr> </table>												1.87										
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Mine Action for Federal Republic of Iraq and Kurdistan Region	TTR	<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1.50</td><td></td></tr> </table>												1.50										
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Priority Area	Other Development Issues												
	Japan's Assistance Program	Program Summary	Project	Scheme	Schedule						Assistance Amount (100 Million Yen)	Note	
					Before JFY 2017	JFY 2018	JFY 2019	JFY 2020	JFY 2021	JFY 2022			
Others	In-country Demining Support Program	This program is to provide assistance in demining and UXO clearance.	Grant Aid for Grassroots Human Security Projects in the field of mine action	GGP	—							1.94	
	Refugees and IDPs Support Program	This program is to provide humanitarian assistance to refugees and IDPs victimized by ISIL and stabilization support for early and safe return of displaced people to their homes	Grant Aid for Japanese NGOs Projects for Medical and Health Sector (FY2017)	GANP	—							1.68	
			Grant Aid for Japanese NGOs Projects for Education Sector (FY2017)	GANP	—							0.38	
			Emergency Grant Aid for improvement of humanitarian situation and stabilization in Iraq, Syria and neighbour countries	EGA	—							4.5 million USD	UNHCR
			Humanitarian, Counter-terrorism and Social Stabilization Support in the Middle East, North Africa and Europe Region(Supplementary Budget FY2017)	ML	—							87 million USD	UNHCR, UNDP, WFP, UNICEF, IOM, FAO, UNOCHA, UNODC, UNOPS, UN-HABITAT, UNMAS, ICRC, UNIDO, WHO, UNFPA, SRSG-SVC, UNITAR, UNWOMEN
			Humanitarian Response in Iraq and Syria (Iraq)	GA	—	—						22.35	Japan Platform(JPF)

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, [SV] = Senior 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 Aid, [GACGP]=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), [ML] = Multilateral Cooperation, [SSM] = Support for Small and Medium sized Enterprise, Solid Line [—] = Schedule, Dash Line [- - -] = Tentative Schedule