

Sector	Total	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (₹ Thousand)
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism	Human Resources	Science & Culture					
Type of Cooperation	Acceptance of Trainees	New operations in 1991	697	9	100	21	44	35	26	73	12	10	9	10	20	18	28	198	7	43	16	
		Continued from FY 1990	83	2		2		1		22	1	4	5	5	7	1		22	1	10		
		Total	780	9	102	21	46	36	27	95	13	14	14	15	45	19	28	220	8	53	16	
	Dispatch of Experts	New in 1991	259	4	17	12	28	20	10	35	5	10	5	6	3	1	5	1	44	18	29	6
Continued from 1990		17			1		1		10		1				1					1		
Total		276	4	17	12	29	21	11	45	5	11	5	6	4	1	6	1	44	18	30	6	
Total	New in 1991	91	2	2	5	9	3	6	19	2	5	4	3	10		7	9	3	2			
	Continued from 1990	194	4	7	12	15	11	19	44	6	12	6	12	4	6	7	12	8	4	1	3	
	Total	285	6	9	17	24	14	25	63	8	17	10	16	14	6	14	21	11	6	1	3	
	New in 1991	350	6	19	17	37	23	16	54	7	15	9	9	13	1	12	1	53	21	31	6	
Total	Continued from 1990	211	4	7	12	16	12	20	54	6	13	6	13	5	6	8	12	8	5	1	3	
	Total	561	10	26	29	53	35	36	108	13	28	15	22	18	7	20	1	65	29	36	7	
	New operations in 1991	374	36	22	79	52	30	15	117	7	24	11	15	14	75	5	22	3	39	5		
	Continued from FY 1990	9			5				4													2,630,479
Total	New operations in 1991	33	1	1			3	2					1					6	4	16		
	Continued from FY 1990	35	3				2	4	1	2			6		1	2	9	6	4	4		
	Total	68	4				6	3	1	2			5		1	2	15	10	20			267,537

Indonesia

||||||| Planning & Administration |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Construction of the Environmental Management Center	888	Basic Design Study

||||||| Public Works & Utilities |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Radio Wave Control	29,922	Ministry of Tourism, Post and Telecommunications
Equipment for the Survey of Groundwater Development for Irrigation	4,804	Directorate of Irrigation II, Ministry of Public Works
Equipment for TV Broadcasting	8,477	Directorate of Television, Ministry of Information

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Radio and Television Training Center	61	45	522,461	83.10.21 - 92.10.20
Water Supply and Environmental Sanitation Training Center	22	0	41,247	91. 4. 1 - 96. 3.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Feasibility Study on Chidanau and Chibanten Water Resources Development	Directorate General of Water Resources Development, Ministry of Public Works
The Study on IKK System Water Supply Project in Provinces of Central Java, East Java and Bali	Directorate General of Human Settlements (Cipta Karya), Ministry of Public Works
The Study on Belawan Padang Integrated River Basin Development	Directorate General of Water Resources Development, Ministry of Public Works
The Study on Solid Waster Management Improvement for Surabaya City	Directorate General of Human Settlements (Cipta Karya), Ministry of Public Works
The Development Study on Wastewater Disposal for Denpasar	Directorate General of Human Settlements (Cipta Karya), Ministry of Public Works
The Study on Telecommunications Network Development Plan for REPELITA-VI	Directorate General of Posts and Telecommunications, Ministry of Tourism, Posts and Telecommunications
Master Plan on Water Resources Development and Feasibility Study for Urgent Flood Control and Urban Drainage for Semarang City and Suburbs	Directorate General of Water Resources Development, Ministry of Public Works
The Study on the Integrated Regional Development Plan for the Southern Part of Sumatra	Ministry of Public Works
The Study on Integrated Modernization Plan for Sea Transportation in Eastern Indonesia	Ministry of Communications (MOC)
The Study for Nationwide Ferry Service Routes	Ministry of Communications (MOC)
The Development Study on Coastal Roads in East Coast of Sumatra	Ministry of Public Works
The Feasibility Study for Surabaya-Mojokerto Toll Road Project	Directorate General of Highways, Ministry of Public Works

Grant Aid

CASE	EXPENSES (YMillion)	ACTIVITIES CONDUCTED BY JICA
The Project for the Improvement IKK's Rural Water Supply	963	

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Cooperation in Maintenance of Navigational Aids in Malacca Straits	For: Guidance for the Study on the Renewal and Construction of the Beacons, Technical Guidance for the Operation and Maintenance of Navigation Aids

||||||| Agriculture, Forestry & Fisheries |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Demonstration Farm for Rice Cultivation	18,089	Directorate General of Food Crops, Ministry of Agriculture
Equipment for Forest Fire Extinguishing	9,661	Ministry of Forestry

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Strengthening of Artificial Insemination Center Project	39	23	239,761	86. 4. 1 - 93. 3.31
Food Crops Protection Project (II)	25	16	208,176	87. 4. 1 - 92. 3.31
The Center for Development of Appropriate Agricultural Engineering Technology	39	14	200,481	87. 4. 1 - 92. 3.31
Academic Development of the Graduate Program at the Faculty of Agricultural Engineering and Technology, Institute Pertanian Bogor	42	21	151,004	88. 4. 1 - 93. 3.31
Remote Sensing Engineering Project Phase II for the Development of Agricultural Infrastructure	28	13	230,838	88. 6. 6 - 93. 6. 5
Forest Conservation Project in South Sulawesi	29	11	220,720	88. 7.21 - 93. 7.20
Strengthening the Research and Development of Coastal Aquaculture Project	25	11	221,053	88.10.26 - 93.10.25
Tropical Rain Forest Research Project (II)	28	6	26,507	90. 1. 1 - 94.12.31
Integrated Agricultural and Rural Development Project in Southeast Sulawesi Province	20	3	90,071	91. 3. 1 - 96. 2.29

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Nias Island Irrigated Agriculture Development Project	Directorate General of Water Resources Development, Ministry of Public Works
The Feasibility Study for the Land Development Project - Improvement of Land and Irrigation System at Farm Level	Directorate General of Food Crops Agriculture, Ministry of Agriculture
Rokan River Basin Overall Irrigation Development Plan Study	Directorate General of Water Resources Development, Ministry of Public Works
The Study for Formulation of Irrigation Development Program	Directorate General of Water Resources Development, Ministry of Public Works
Feasibility Study on Upland Plantation and Land Development at Chitarik Watershed	Directorate General of Reforestation and Land Rehabilitation, Ministry of Forestry
Study on Coastal Resources Inventory Management and Development	Directorate of Fisheries, Ministry of Agriculture

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
The Pumping Station Project for Bengawan Solo Lower Reaches	458	Basic Design Study
The Project for the Construction of the Forest Tree Improvement Development Centre	466	
The Remote Sensing Engineering Project on Site Selection System for the Development of Agricultural Infrastructure	425	
Increase of Food Production	1,800	Aptness Study of the Requested Equipment

Development Cooperation (Basic Development Study)

CASE	DURATION	PERSON ENGAGED
Project for Mangrove Forest Development	92. 1.23 - 92. 2. 7	6
Project for Mangrove Forest Development	92. 4. 9 - 92. 4.23	7

Development Cooperation (Training)

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
Management	91. 7.23 - 91. 9.26	3	Forestry Development Project in Katingan

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
Secondary Process of Plywood	91. 7.23 - 91.11.16	1	Forestry Development Project in Katingan

||||||| Mining & Industry |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for the Study and Tests of the Mineral	34,505	Mineral Technology Development Centre, Ministry of Mines and Energy

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Research & Development of Indonesian Low Grade Nickel Laterites	13	12	6,117	87.12.14 - 91.12.13

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Industrial Sub-Sector Development	Ministry of Industry
Feasibility Study on the Rehabilitation of Chipadung and Banjaran Spinning Mills, PT. Indonesia Sandang	Ministry of Industry
Mineral Exploration in Toraja Area	Directorate of Mineral Resources, Ministry of Mines and Energy

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Establishment of the Chemical Industry Training and Development Center		Follow-up Study

||||||| Energy |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (\$Thousand)	DURATION
Image Processing Laboratory for Oil and Gas Study	29	6	215,555	89.8. 21 - 94.9. 20

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Mine Mouth Steam Power Plant Development Project in South Sumatra	National Electric Power Corporation (PLN)
Study on Utilization of Photovoltaic Hybrid System in Rural Area	Directorate General of Electric Power and New Energy, Ministry of Mines and Energy
Feasibility Study on Wampu Hydroelectric Power Development Project	National Electric Power Corporation (PLN)
Master Plan Study on Cooperative Rural Electrification in Aceh and North Sumatra	Ministry of Cooperatives
Feasibility Study on the Upper Cisokan Pumped Storage Hydro-electric Power Development Project	National Electric Power Corporation (PLN)

||||||| Commerce & Tourism |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (\$Thousand)	DURATION
The Export Training Center (IETC)	38	22	44,439	88. 9. 2 - 93. 9. 1

||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Electronic Engineering Polytechnic Institute	56	28	223,457	87. 4. 1 - 94. 3.31
ASEAN Project on Characterization of Polymeric Materials	34	12	274,786	87.10. 1 - 91. 9.30
Higher Education Development Support Project	24	44	299,874	90. 4.12 - 95. 4.11

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Construction of the Electric Engineering Institute		Follow-up Study
The Project for the Improvement of the Equipment of Higher Education Development Support Project	864	

||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Fundamental Technology Transfer Project for Production of Live Attenuated Measles and Poliomyelitis Vaccines	30	16	401,295	89. 9. 1 - 94. 8.31
Family Planning and Maternal and Child Health	23	8	201,340	89.11.29 - 92. 11.28

ASIA

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Improvement of the Equipment for Live Attenuated Oral Poliomyelitis and Measles Vaccine Production	210	Expediting of Execution Aptness Study of the Requested Equipment
The Project for the Construction of the National Medical Center for Infections Diseases	953	Basic Design Study
The Project for the Malaria Control Programme	564	Basic Design Study Aptness Study of the Requested Equipment

||||||| Social Welfare |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for the Training Materials for the Aurally Handicapped Person	7,962	The Development of Social Rehabilitation, Ministry of Social Affairs

[illegible]

Republic of Korea

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on River Environment Improvement for the Tributaries of Han River System in Seoul Municipality and its Vicinity	Seoul Metropolitan Government

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Research Project on Promoting Efficiency in the Utilization of Agricultural Lands	13	14	107,658	89. 6. 1 - 94. 5.31

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Improvement in Underground Working Environment of Mine Safety	14	6	176,841	89.11.10 - 93.11. 9

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Industrial Waste Water Treatment and Recycling Project	Korea Institute of Science and Technology, Ministry of Science and Technology

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Industrial Technology Training Institute	87	26	1,548,711	86. 4.18 - 92. 4.17
The New Materials Evaluation Center Project	1	3	4,131	91.10.15 - 96.10.14

||||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Korean Gerontology Project	13	4	195,075	90.11. 1 - 95.10.31

Sector		Type of Cooperation	Planning & Administration				Public Works & Utilities			Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)		
			Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing		Commerce & Trade	Tourism	Human Resources	Science & Culture						
Acceptance of Trainees	New operations in 1991			4	1	6	1	5	6	1	1				2	6				2	2		92,261		
																				3					
		Total		4	1	6	1	5	6	1	1				2	6				5	2				
	Dispatch of Experts	Short-term	New in 1991		3											1					6			30,968	
Continued from 1990																									
Long-term		New in 1991		3												1				6					
		Continued from 1990																							
Dispatch of Survey Teams Members	New operations in 1991			3											1						6			475,851	
																				9					
		Total		3												1				6					
	Dispatch of Manpower Cooperation Volunteers	New operations in 1991			26	2		12	32							12				5		9			56,790
Continued from FY 1990																									
		Total			26	2		12	33						12				5		9				

Laos

Public Works & Utilities

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Solid Waste Management System Improvement Project in Vientiane	Vientiane Municipality

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
The Second Telecommunication Project	925	Basic Design Study
The Project for the Reconstruction of Lao National TV Station	341	Basic Design Study

Agriculture, Forestry & Fisheries

Equipment Supply

EQUIPMENT	EXPENSES (Thousand)	FACILITIES
Equipment in Relation to Agricultural Extension	8,828	The Ngon Rural and Agricultural Farm, Vientiane Municipality

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Master Plan Study on the Integrated Agricultural Rural Development Project in Savannakhet Province	Ministry of Agriculture and Forestry
Master Plan Study on the Agricultural Development Project to Control Slash and Burn Cultivation in the Oudomxay Province	Economic Planning, Finance and International Cooperation Department, Ministry of Agriculture and Forestry

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Agricultural, Rural Development Project in the Suburbs of Vientiane (Stage II)	688	Basic Design Study
Increase of Food Production	400	Aptness Study of the Requested Equipment Expediting of Execution

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Xe Katum Small-Scale Hydroelectric Power Development Project	Ministry of Industry and Handicraft (MIH)

||||||| Others |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for the Narcotic Control	5,106	Lao National Commission Drug Control

Sector		Type of Cooperation	Public Works & Utilities											Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Social Welfare	Others	Expenses (¥ Thousand)
			Planning & Administration	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism	Human Resources	Science & Culture								
Acceptance of Trainees		Total	New operations in 1991	522	3	46	4	38	28	16	30	12	8	4	2	72	4	24	24	160	12	22	13	1,183,653		
			Continued from FY 1990	35	1	2	1	1	3	13	3	2	1	5	1	1	2	1	1	1	1	1	2			
Total			557	4	48	5	39	28	19	43	15	8	6	3	77	4	24	24	160	13	24	13				
Dispatch of Experts		Total	New in 1991	77	1	3	3	4	12	6	11	1	1	1	4	4	5	23	7	5	23	7				
			Continued from 1990	6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	4	4	2				
Total			83	2	4	4	5	5	13	7	12	2	2	2	5	5	9	25	7	9	9					
Dispatch of Experts		Total	New in 1991	30	1	3	2	2	1	2	9	1	1	1	2	4	1	3	1	3	1	1	781,584			
			Continued from 1990	42	1	3	5	3	3	5	2	6	3	3	6	6	1	1	1	1	1	6				
Total			72	2	6	7	5	5	6	4	15	4	4	4	6	5	2	4	4	4	7					
Total		Total	New in 1991	107	1	3	5	6	13	8	20	2	2	8	2	8	8	24	7	8	24	7				
			Continued from 1990	48	1	3	5	3	3	5	2	6	3	3	6	6	1	1	5	8	5	8				
Total			155	2	6	10	9	9	18	10	26	5	5	14	4	14	1	13	22	13	15					
Dispatch of Experts		Total	New operations in 1991	219	23	66	66	9	6	6	14	7	8	51	28	1	1	13	10	11	3	1,675,129				
			Continued from FY 1990	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1			
Total			220	24	67	67	10	7	7	7	15	8	9	52	29	2	2	14	11	12	4					
Dispatch of Experts		Total	New operations in 1991	27	1	1	1	1	1	1	1	1	1	1	2	2	2	6	1	6	1	12	413,799			
			Continued from FY 1990	85	6	6	7	7	7	21	3	4	1	6	6	14	1	1	17	5	14	5				
Total			112	7	7	8	8	8	22	4	5	2	2	7	7	2	2	23	6	15	15					

Malaysia

||||| Planning & Administration |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Air Quality Management Study for Kelang Valley Region	Department of Environment, Ministry of Science, Technology and Environment

||||| Public Works & Utilities |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Simulation of Irrigation along River and Coast	13,880	Department of Irrigation and Drainage, Ministry of Agriculture

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
National River Mouth Study in Malaysia	Drainage and Irrigation Department, Ministry of Agriculture
The Study on the Development of Rajang	The Rajang Port Authority
Study on the Maintenance and Rehabilitation of Bridges in Malaysia	Public Works Department (PWD)
The Study on the Highway Network Development in Malaysia	Economic Planning Unit, Prime Minister's Department

Development Cooperation (Investment and Financing Examination and Surveys)

CASE	DURATION	PERSON ENGAGED
JICA Feasibility Study for Financing Infrastructure of Old Prai Wharf Port, Facility Improvement Project in Penang State, Malaysia	91.12.15 - 91.12.24	4

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Cooperation in Maintenance of Navigational Aids in Malacca Straits	For: Guidance for the Study on the Renewal and Construction of the Beacons, Technical Guidance for the Operation and Maintenance of Navigation Aids

||||||| Agriculture, Forestry & Fisheries |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Chemical Analysis of Forest Products	11,017	Forest Research Institute Malaysia

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER-PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Malaysia ASEAN Poultry Disease Research and Training Project	35	22	202,553	86. 4.17 - 93. 4.16
Malaysia, Sabah Re-afforestation Technical Development and Training Project	34	15	200,826	87. 3.14 - 92. 3.13
Development of Biotechnology at the Faculty of Food Science and Biotechnology, University Pertanian Malaysia	16	8	123,154	90. 6. 1 - 95. 5.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on Industrial Plantation in Northern Sabah	Sabah Forestry Development Authorities
Feasibility Study on the Improvement of Fish Marketing and Distribution System	Agriculture Section, Economic Planning Unit

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Modernization of Fisheries Training Institute	487	

Development Cooperation (Basic Development Study))

CASE	DURATION	PERSON ENGAGED
Trial Project for Multi-storied Forest Management	91. 7. 7 - 91. 7.18	5
Trial Project for Multi-storied Forest Management	91.10. 3 - 91.10.12	5

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Trial Project for Multi-storied Forest Management	For: Forestation, Seedling Culture, Forestry Machines, Forestry Management

Development Cooperation (Training)

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
General Study in Forestry	92. 3.21 - 92. 3.31	1	Trial Project for Multi-storied Forest Management

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (\$Thousand)	DURATION
The Foundry Technology Unit	47	15	359,556	88.10.12 - 93.10.11

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on the Establishment of a High-Tech and Electric Industrial Estate	Economic Planning Unit, Prime Minister's Department, Kedah State Development Corporation
Study on the Industrial Standardization and Quality Assurance Improvement Programme	Economic Planning Unit, Standards and Industrial Research Institute (SIRIM)
Mineral Exploration in Sabah Area	Geological Survey of Malaysia, Ministry of Primary Industry

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Small Hydroelectric Power Development Project at Upper Liwagu River Basin	Sabah Electric Bureau

||||||| Human Resources Development |||||

Project-type Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (\$Thousand)	DURATION
ASEAN Project on Characterization of Fine Ceramics	54	14	221,485	87.11.18 - 92.11.17

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Radiation Applications Project	28	9	393,159	89. 7. 5 - 94. 7. 4

Public Health & Medicine

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Medical Study	9,703	University Kebangsaan Malaysia

Others

Development Cooperation (Investment and Financing Examination and Surveys)

CASE	DURATION	PERSON ENGAGED
Financial Cooperation Survey of the Experimental Projects (Mining & Industry)	91.11.11 - 91.11.19	3

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Experimental Project for Utilization of Natural Rubber Serum in Malaysia	For: Development and Merchandise of Organic Fertilizer

Maldives

Type of Cooperation	Sector	Public Works & Utilities										Commerce & Tourism	Human Resources Development		Social Welfare	Others	Expenses (Thousand)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining & Industry	Energy	Commerce & Tourism	Human Resources Development			
Acceptance of Trainees	Total																
	New operations in 1991	26															
	Continued from FY 1990	1															34,599
Dispatch of Experts	Total	27															
	New in 1991	1															
	Continued from 1990	1															1,849
Dispatch of Survey Teams Members	Total	17															
	New operations in 1991	17															152,165
	Continued from FY 1990																
Dispatch of Cooperation Volunteers	Total	17															
	New operations in 1991	9															
	Continued from FY 1990	17															85,711
Total		26															

Maldives

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Seawall Construction Project for Male Island	Ministry of Public Works and Labour

||||||| Agriculture, Forestry & Fisheries |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Modernization of Additional Fishing Boats		Expediting of Execution
The Project for Coastal Fisheries Promotion	577	Basic Design Study

||||||| Human Resources Development |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Constructing the Centre for Social Education	407	

Mongolia

Type of Cooperation		Sector	Total	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Social Welfare	Others	Expenses (¥Thousand)			
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining		Manufacturing	Commerce & Trade	Tourism	Human Resources				Science & Culture		
Acceptance of Trainees	New operations in 1991		34	11	7		1		6								2			5			112,603		
	Continued from FY 1990		2																	1					
	Total		36	11	7		1		6								2			6					
Dispatch of Experts	Short-term		8	2												4							22,977		
	Continued from 1990																								
	Total		8	2												4									
	Long-term																								
Dispatch of Japan Overseas Cooperation Volunteers	New in 1991		8	2												4							199,918		
	Continued from 1990																								
	Total		8	2												4									
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991		46	7					5			12		20						2			3,069		
	Continued from FY 1990																								
	Total		46	7					5			12		20						2					

Mongolia

Public Works & Utilities

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Improvement of the Satellite Communications	948	Basic Design Study Expediting of Execution

Mining & Industry

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Mineral Exploration in Undam-Tal Area	State Geology Center

Energy

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Power Plant Maintenance	40,298	Ministry of Trade and Industry

Public Health & Medicine

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Improvement of the Basic Medical Equipment		Expediting of Execution

Type of Cooperation	Sector	Public Works & Utilities										Human Resources Development		Social Welfare	Others	Expenses (Y Thousand)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining & Industry	Energy	Commerce & Tourism	Human Resources Development		
Acceptance of Trainees	New operations in 1991	3			1	1	5		5					1		47,580
	Continued from FY 1990					1	1		2					6		
	Total	3			1	2	6		7					7		
	New in 1991						9		5							
Dispatch of Experts	Short-term															188,367
	Continued from 1990						3									
	Total						3									
	New in 1991						3		6					1		
Dispatch of Survey Teams Members	Short-term						12		5							16,515
	Continued from 1990						3		6					1		
	Total						15		11					1		
	New operations in 1991						4		5							
Dispatch of Technical Cooperation Volunteers	Continued from FY 1990								2							
	Total						4		7							
	New operations in 1991															
	Continued from FY 1990															

Myanmar

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Irrigation Technology Center	17	5	45,990	88. 4. 1 - 95. 3.31
Central Forestry Development Training Center Project	12	2	40,224	90. 8. 1 - 95. 7.31

ASIA

Type of Cooperation	Sector	Public Works & Utilities										Mining & Industry		Commerce & Tourism		Human Resources Development		Social Welfare	Others	Expenses (N Thousand)
		Planning & Administration	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture		
Acceptance of Trainees	New operations in 1991	1	12	2	11	14	12	9	1	1	2			1	2	1	13	20	3	245,299
	Continued from FY 1990				1	3	1	1									1	7		
	Total	1	12	2	12	17	14	10	1	1	2			1	2	1	14	27	3	
Dispatch of Experts	New in 1991	1				7		3			1							21	1	476,156
	Continued from 1990							3										1		
	Total	1				7		3			1							22	1	
Dispatch of Experts	New in 1991				1	2		1		3	4							4		
	Continued from 1990				1	1		1									1	16		
	Total				2	3		2		3	4						2	20		
Dispatch of Experts	New in 1991	1			1	9		4		3	5							25		
	Continued from 1990				1	1		1									1	17		
	Total				2	10		5		3	5						1	42		
Dispatch of Survey Teams Members	New operations in 1991			5	19	69	4	16		3	8			13				15		1,012,172
	Continued from FY 1990																			
	Total			5	19	69	4	16		3	8			13				15		
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991		3		2	2		7			3		2		1		7	1	2	340,586
	Continued from FY 1990		3		5	5	5	9	2	2	4		6		1		16	1	9	
	Total		6		7	7	5	16	2	2	7		8		2		23	2	11	

Nepal

Public Works & Utilities

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Water Induced Disaster Prevention Technical Center	9	4	32,264	91.10. 7 - 96.10. 6

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Nationwide Hydro-Meteorological Data Management Project	Department of Hydrology and Meteorology, Ministry of Water Resources
The Master Plan Study for Water Resources Development of Upper Karnali and Mahakali River Basins	Ministry of Water Resources
Topographic Mapping of Lumbini Zone	Survey Department (SD)
The Study on the Kathmandu Valley Urban Road Development in Nepal	Department of Roads, Ministry of Public Works and Transport

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Construction of Bus Terminal in Kathmandu	786	Basic Design Study
The Rural Telecommunications Network Expansion Project	904	Basic Design Study
The Project for the Water Supplies to Urban and Semi-urban Centres	1,546	Basic Design Study
The Project for Reconstruction of Bridges (Phase- 2) in Kathmandu	45	Basic Design Study
The River Training Project	450	Expediting of Execution
The Kathmandu Water Supply Facility Improvement Project		Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Forestry Extension Project	3	0	21,814	91. 7.16 - 94. 7.15
The Project for Natural Water Fisheries Development	5	0	0	91.11. 1 - 96.10.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Master Plan Study on the Terai Groundwater Resources Evaluation and Development Project	Department of Irrigation, Groundwater Resources Development Board
Feasibility Study on the Rajkudwa Irrigation Project	Department of Irrigation, Ministry of Water Resources (MWR)

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Natural Water Fisheries Development	201	Basic Design Study
Increase of Food Production	500	Aptness Study of the Requested Equipment Expediting of Execution

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study and Feasibility Study on Extension and Reinforcement of Power Transmission and Distribution System in Kathmandu Valley	NEA (Nepal Electricity Authority)

Grant Aid

CASE	EXPENSES (\$Million)	ACTIVITIES CONDUCTED BY JICA
Project for Extension and Reinforcement of Power Transmission System in Kathmandu Valley		Basic Design Study

Human Resources Development

Grant Aid

CASE	EXPENSES (\$Million)	ACTIVITIES CONDUCTED BY JICA
Project for Rehabilitation of School Facilities	299	Expediting of Execution

Public Health & Medicine

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (\$Thousand)	DURATION
Family Planning and Maternal and Child Health	21	17	147,237	85.10. 7 - 91.10. 6
Project for the National Tuberculosis Program	25	16	98,808	87. 4.17 - 94. 4.16
Medical Education Project	30	10	121,977	89. 6.20 - 94. 6.19

Grant Aid

CASE	EXPENSES (\$Million)	ACTIVITIES CONDUCTED BY JICA
The Expansion of Institute of Medicine and the Teaching Hospital, Tribhuvan University	1,442	Basic Design Study

Type of Cooperation	Sector	Public Works & Utilities											Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Social Welfare	Others	Expenses (in Thousands)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism		Human Resources	Science & Culture	Public Health & Medicine				
Acceptance of Trainees	Total	New operations in 1991	143		11	5	11	12	1	2		5	15	5	1	1	23	2	20	7		353,505
		Continued from FY 1990	18		1		1	1		1		2	3						9			
		Total	161		12	5	11	13	1	2	1	6	18	5	1	1	23	2	29	7		
		New in 1991	36		2							15							17			
Dispatch of Experts	Total	Continued from 1990	36		2								15						17			
		New in 1991	9									7							2			
		Continued from 1990	12									1			2				9			
		Total	21									8			2				11			
Dispatch of Survey Teams Members	Total	New in 1991	45		2								22						19			
		Continued from 1990	12											1					9			
		Total	57		2									23					28			
		New operations in 1991	109		5	2	4	37						8	18				3			
Dispatch of Experts	Total	Continued from FY 1990	11		3		5												3			
		Total	120		8	2	4	42											6			
		New operations in 1991			5	2	4	42											3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991			13	2	4	42											3			
		Continued from FY 1990																	3			
		Total			13	2	4	42											6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
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		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
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Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
Dispatch of Experts	Total	Continued from FY 1990																	3			
		Total																	6			
		New operations in 1991																	3			
		Continued from FY 1990																	3			
Dispatch of Experts	Total	New operations in 1991																	3			
		Continued from FY 1990																				

Pakistan

||||||| Planning & Administration |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Improvement of Environmental Condition in Karachi	502	Aptness Study of the Requested Equipment
Project for Providing Fire-fighting Trucks and Equipment for Islamabad		Basic Design Study

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Comprehensive Study on Transportation System in Lahore	Lahore Development Authority, Government of the Punjab

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Rehabilitation of Water Treatment System in Islamabad	1,162	Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Rice Cultivation Study	19,619	Allah Bakhsh Khan, Director of Agricultural Research Institute

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on the Development of Irrigation Based upon Flood Flows of D.G. Khan Hill Torrents	Ministry of Water and Power

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	150	Aptness Study of the Requested Equipment Expediting of Execution
The Genetic Resources Preservation and Research Laboratory Establishment Project	1,567	Basic Design Study
Project for the Exploitation of Groundwater Resources in Balochistan Province	597	Aptness Study of the Requested Equipment

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER-PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Geoscience Laboratory in the Geological Survey of Pakistan	23	3	34,371	90.10. 1 - 95. 9.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Textile Industry Development Programme	Ministry of Industries

||||||| Human Resources Development |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Upgradation of Teaching Facilities at the National College of Textile Engineering, Faisalabad	650	Basic Design Study

||||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Children Hospital, Islamabad	71	24	261,221	86. 7. 1 - 93. 6.30
Nursing Education	16	10	77,237	87. 7. 1 - 92. 6.30

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Improvement of Medical Equipment for Punjab Medical College (Phase II)	1,250	Basic Design Study

Philippines

[illegible]

Philippines

Public Works & Utilities

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Waste Disposal	12,484	Deputy General Manager for Planning Metro Manila Authority
Equipment for the Prevention of Volcanic Disaster	85,663	Philippine Institute of Volcanology and Seismology

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The National Maritime Polytechnic Training Center	43	32	248,504	85. 6.13 - 93.12.21

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Master Plan on Marine Safety	Maritime Industry Authority, Department of Transportation and Communications
The Study on the Development Plan of Davao International Airport	Air Transportation Office, Department of Transportation and Communications
The Feasibility Study on the Restoration of Rural Roads	Department of Public Works and Highways (DPWH)
Master Plan Study on the Project Calabarzon	Department of Trade and Industry, Board of Investment
Feasibility Study on Metro Manila Urban Expressway System	Department of Public Works and Highways
Master Plan Study on the Luzon Island Strategic Road Network Development Project	Department of Public Works and Highways (DPWH)
National Roll-on Roll-off Transport System Development Study	Inter-Agency Technical Committee on Transport Planning
Study of Agno River Basin Flood Control	Department of Public Works and Highways (DPWH)

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on Ilong-Hilabangan River Basin Flood Control Project	Department of Public Works and Highways (DPWH)
Study on Groundwater Development in Metro Manila	Metropolitan Waterworks and Sewerage System (MWSS)
Feasibility Study on Balara Water Treatment Plant Rehabilitation Project	Metropolitan Waterworks and Sewerage System (MWSS)

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Rural Environmental Sanitation Project	649	Basic Design Study
Strengthening the Agricultural Training Institute, National and Regional Training Centers	920	Basic Design Study
The Project for Constructing Bridges along Rural Roads (Phase III, Group 2)	1,440	Basic Design Study
Baguio Sewer System Rehabilitation Project	485	Basic Design Study
The Project for Provision of Heavy Equipment and Spare Parts for Mt. Pinatubo Relief and Rehabilitation Operation	1,455	Basic Design Study
Urgent Garbage Disposal System Improvement in Metro Manila and Rural Cities (Phase II)	1,136	Aptness Study of the Requested Equipment
Project for Constructing Bridges along Rural Roads (Phase IV)		Basic Design Study
Project for Rehabilitation of Public Markets Devastated by Typhoon Ruping		Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER-PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Diversified Crops Irrigation Engineering Project	27	22	162,605	87. 5.28 - 92. 5.27
Forestry Development Project, Watershed Management in Pantabangan and Carranglan, Nueva Ecija	27	12	189,940	87. 7.24 - 92. 7.23

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Soils Research and Development Center Project	25	10	77,929	89. 7.13 - 94. 6.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study on the Small-Scale Irrigation Development Project	National Irrigation Administration
Mapping and Agricultural Potential Study for Integrated Rural Development Program in Panpanga	Department of Agrarian Reform
Master Plan Study for Strengthening of the Agricultural Cooperative System	Cooperative Development Authority
Study on the Marikina Watershed Development Project	Department of Environment and Natural Resources

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Irrigation of West Barrios Pond		Basic Design Study Expediting of Execution
Project for Highland Integrated Rural Development		Expediting of Execution
The Construction of Carayas Irrigation Facilities (2nd Phase)	234	
Agricultural Development and Promotion Project in Western Samar (Phase 2)	812	
Strengthening the Agricultural Training Institute, National and Training Centers	920	Basic Design Study
Increase of Food Production	240	Aptness Study of the Requested Equipment Expediting of Execution
Integrated Jala-Jala Rural Development Project		Basic Design Study
Marinduque Agricultural Development and Promotion Project		Basic Design Study

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Agricultural Development Experimental Projects in Coconut Palm	For: Cultivation of Coconut Palm

Development Cooperation (Training)

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
Cultivation of Herbs	91. 6.10 - 91. 8.10	1	Experimental Project for Herb Cultivation

||||||| Mining & Industry |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for the Study of Food Science	9,399	The University of the Philippines

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Crocodile Farming Institute Project	45	13	55,892	87. 8.20 - 92. 8.19

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on Industrial Sub-Sector Development	Department of Trade and Industry, Board of Investments
Mineral Exploration in Palawan and Panay Area	Mines and Geo-Sciences Bureau

Development Cooperation (Regional Development Impact Assessment Survey)

CASE	DURATION	PERSON ENGAGED
Study Team for Development Cooperation of the Infrastructures and Public Facilities in the Coconut Oil Firm	92. 1.20 - 92. 2. 4	5

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan on Rehabilitation/Renovation and Operation/Maintenance Improvement of Power Facilities in Luzon Grid	National Power Corporation

||||||| Commerce & Tourism |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Trade Training Center	43	30	78,078	92.3. 1 - 93.2. 28

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
ASEAN Project on Atmospheric Corrosion Metallic Coating	50	14	276,129	87.10.30 - 92.10.29
The Rural Livelihood Generation Project	11	2	10,828	91.10. 1 - 96. 9.30

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Constructing Primary and Secondary School Buildings (Phase III)	2,745	Basic Design Study
The Project for Assistance Secondary Education Instructional Equipment Program	598	Basic Design Study

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Constructing Primary and Secondary School Buildings (Phase IV)		Basic Design Study

Public Health & Medicine

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Food and Drugs Laboratories Project	85	24	312,871	86. 7.25 - 93. 7.24

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Upgrading Medical Equipment of Provincial Hospitals	946	Basic Design Study

Social Welfare

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Occupational Safety and Health Center Project	67	17	97,552	88. 4. 1 - 93. 3.31

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Singapore

||||||| Public Works & Utilities |||||

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Cooperation in Maintenance of Navigational Aids in Malacca Straits	For: Guidance for the Study on the Renewal and Construction of the Beacons, Technical Guidance for the Operation and Maintenance of Navigation Aids

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Japan-Singapore AI Center	31	9	418,388	90. 4. 1 - 95. 3.31

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
ASEAN Project on Prevention of Corrosion in Structures	55	13	183,229	87.10. 1 - 92. 9.30

Sector		Type of Cooperation	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)	
			Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Science & Culture					Human Resources
Acceptance of Trainees	New operations in 1991		3	18	1	10	2	22	29		2		5	6	7	1	26	1	26	10		429,989	
	Continued from FY 1990																						
	Total		3	18	1	11	2	25	38		4		6	6	7	1	30	2	35	10			
Dispatch of Experts	New in 1991		1		1		2	2	2			4							17			374,658	
	Contd. from 1990																						
	Total		1		1		2	2	4										17				
Dispatch of Short-term Members	New in 1991								1				1						4			438,990	
	Contd. from 1990								4										10				
	Total									5									14				
Dispatch of Japan Overseas Cooperation Volunteers	New in 1991		33	1	1	1	2	3				5							21			366,366	
	Contd. from 1990		22	1	1	1	6					1							11				
	Total		55	1	1	1	3	9				6							32				
Dispatch of Long-term Members	New operations in 1991		101		12	14		21		6		21					17		9	1		438,990	
	Continued from FY 1990		11	2		4													5				
	Total		112	2	12	18		21		6		21					17		14	1			
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991		18	2			2	2	1			1					7	2	1			366,366	
	Continued from FY 1990		55	5			3	5	3			5					19	9	5	1			
	Total		73	7			5	7	4			6					26	11	6	1			

Sri Lanka

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Development of the Port of Galle	The Sri Lanka Ports Authority (SLPA)

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Rehabilitation of Kandy Water Supply Scheme	753	Expediting of Execution
The Project for the Reconstruction of the Victoria Bridge	299	
The Project for the Improvement of Radio Studio Facilities in the Sri Lanka Broadcasting Corporation	937	
Project for Acquisition of Equipment to Strengthen the Divisional Secretaries' Division	622	Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER-PART (Person)	*EQUIPMENT SUPPLY (Thousand)	DURATION
Project of the Center for Plant Genetic Resources	17	12	132,096	88. 4. 1 - 93. 3.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Walawe Irrigation Upgrading and Extension Project (Left Bank)	Ministry of Mahaweli Development

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	190	Aptness Study of the Requested Equipment
The Project for Rehabilitation of the Kirinda Fisheries Harbour	28	Basic Design Study

Development Cooperation (Basic Development Study)

CASE	DURATION	PERSON ENGAGED
Development Cooperation of Orchid Cultivation	91.11. 9 - 91.11.29	7

Development Cooperation (Training)

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
Strawberry Cultivation	91. 6.20 - 91. 7.18	1	Agricultural Development Financing Project
Strawberry Cultivation	91. 6.20 - 91. 8.22	1	Agricultural Development Financing Project

||||||| Mining & Industry |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on Industrial Sector Development	Ministry of Industries, Science and Technology

||||| Human Resources Development |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Establishment of Audio Visual Education Centre in the Open University of Sri Lanka	575	Basic Design Study
The Project for Upgrading Equipment for Scientific Education of the Faculty of Science, University of Colombo	426	Basic Design Study

||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Sri Jayewardenepura General Hospital	30	20	182,468	86. 4.18 - 91. 4.17
Population Information Project	20	10	346,479	87.11.30 - 92.11.29
Medical Research Institute Project	59	14	121,579	89. 1. 1 - 93.12.31

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Rehabilitation of Biomedical Engineering Services	1,369	Basic Design Study

Thailand

Type of Cooperation	Sector	Public Works & Utilities										Agriculture, Forestry & Fisheries		Mining & Industry		Commerce & Tourism		Human Resources Development		Social Welfare	Others	Expenses (¥ thousands)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture					
Acceptance of Trainees	Total	664	4	86	12	46	16	35	57	8	10	9	6	48	21	19	3	187	10	57	30	1,611,532
	New operations in 1991	75	7	1	3	5	9	7	9	7	2	4	8	3	1	9	1	19	1	19		
	Continued from FY 1990	739	4	53	13	49	16	40	66	15	10	11	10	56	21	19	3	196	11	76	30	
	Total	814	11	60	25	65	25	64	76	22	20	21	18	64	42	38	6	383	21	93	60	
Dispatch of Experts	Total	204	5	15	6	13	12	3	38	4	3	9	6	2	2	1		47	6	33	5	
	New in 1991	19	1	1			3	6	6	3	2	2						1	1	1		
	Continued from 1990	223	5	16	6	13	12	3	44	4	6	11	6	2	2	1		48	7	34	5	
	Total	232	10	21	12	26	25	10	58	8	8	13	12	2	3	2		96	13	67	10	2,582,137
Dispatch of Survey Teams Members	Total	164	1	1	6	6	4	1	7	4	2	4	2	2	1			19	19	7		
	New in 1991	127	3	4	6	7	2	7	28	8	6	4	1	14	3	1		19	10	3	1	
	Continued from 1990	191	3	5	12	13	6	8	35	12	8	6	1	16	4	1		38	10	10	1	
	Total	318	6	9	18	19	10	15	63	20	14	10	2	30	8	2		57	20	13	2	
Dispatch of Japan Overseas Cooperation Volunteers	Total	406	21	18	5	49	19	32	101	10	11	6	6	13	27	19	36	3	17	10	2	1,646,022
	New operations in 1991	5				1	3		3													
	Continued from FY 1990	410	21	18	5	50	20	32	104	10	11	6	6	13	27	19	36	3	17	10	2	
	Total	415	42	36	10	51	23	34	107	10	11	6	6	13	27	19	36	3	17	10	2	243,468

Thailand

||||||| Planning & Administration |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Project on Environmental Research and Training Center	26	12	43,787	90. 4. 1 - 95. 3.31
National Computer Software Training Center	18	7	426,302	91. 5. 1 - 96. 4.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Regional Development Plan for Lower Northeast and the Upper East Regions	The National Economic and Social Development Board (NESDB)

||||||| Public Works & Utilities |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Communication Quality Measurement	24,617	The Telephone Organization of Thailand
Equipment for Bridge Cable Tension Testing Machine	7,045	The Expressway and Rapid Transit Authority of Thailand
Equipment for the Study and Education of Environmental Technology	21,043	Department of Environmental Engineering, Chiang Mai University

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The National Waterworks Technology Training Institute Project	48	32	196,783	85.12. 1 - 91.11.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Aftercare Study on Traffic Operation Plan for Roads	Department of Highways (DOH), Ministry of Transport and Communications
The Study on Application Scheme of Land Readjustment in National Urban Development Thrust	Department of Town and Country Planning (DTCP), Ministry of Interior
The Study on Greater Bangkok Truck Terminal	Department of Land Transport, Ministry of Transport and Communications
The Toll Expressway Development Study	Department of Highway, Ministry of Transport and Communications
The Study on Regional Development Plan for Telecommunications Network in the Bangkok Metropolitan Area	Telephone Organization of Thailand
The Study on Master Planning for the Sewerage Development Project for Lower Chao Phraya River Basin	Public Works Department, Ministry of Interior
The Study on Management of Groundwater and Land Subsidence in Metro Bangkok and its Vicinity	Department of Mineral Resources, Ministry of Industry Public Works Department, Ministry of Interior
Road Development Study in the Southern Region	Department of Highways (DOH)
The Study on Phuket International Airport Development Plan	The Airports Authority of Thailand

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Construction of the Huai Laeng Yai Reservoir		Follow-up Study
The Project for the Construction of the Rama IV Viaduct	2,506	Expediting of Execution
The Project for Providing Equipment for Road Construction and Rehabilitation in the South Thailand Rural Areas	777	Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for the Study of Development and Utilization of Agricultural Resources	9,631	Songkla University

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Agricultural Cooperative Promotion Project	33	60	249,728	84. 7. 6 - 91. 7. 5
Research and Training in Reafforestation Project, Phase II	40	24	259,353	86. 7.29 - 93. 7.28
National Animal Health and Production Institute Project	56	32	383,805	86.12. 9 - 93.12. 8
Maize Quality Improvement Research Center Project	41	17	191,021	86.12.15 - 92. 9.14
Strengthening Research Activities Phase II Project at Kasesart University	61	32	275,648	87. 4.16 - 94. 4.15
Research Project for Fishery Resource Development	26	13	153,221	88. 7. 1 - 93. 6.30
Agricultural Development Research Project Phase II in North-East Thailand	26	14	100,210	88.12.20 - 93.12.19
Irrigation Engineering Center Project	20	7	84,508	90. 4. 1 - 95. 3.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study on the Integrated Rural Development of Salt Affected Land in Northeast Thailand	Department of Land Development, Ministry of Agriculture and Cooperatives
Feasibility Study for the Integrated Rural Development Project at Lower North Thailand	The Office of Accelerated Rural Development, Ministry of Interior
Feasibility Study on the Lam Dome Yai Basin Irrigation Project	The Royal Irrigation Department, Ministry of Agriculture and Cooperatives

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on the Integrated Agriculture and Water Resources Development Project in Chumphon and Prachuap Khiri Khan	The Royal Irrigation Department, Ministry of Agriculture and Cooperatives
The Study on Agricultural Development for Peat/Acid Sulfate Soil Areas in Narathiwat Province	Department of Land Development (DLD), Ministry of Agriculture and Cooperatives
Detailed Design Study on the Bang Pakong Diversion Dam Project	The Royal Irrigation Department, Ministry of Agriculture and Cooperatives

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for Providing Equipment for Land and Water Conservation in the Eastern Thailand		Expediting of Execution
The Project for the Establishment of Large-scale Nursery Centers in the Northeast of Thailand	1,580	Basic Design Study

Development Cooperation (Regional Development Impact Assessment Survey)

CASE	DURATION	PERSON ENGAGED
Infrastructure Arrangement Project for Sugar Refinery	91. 9.22 - 91.10.11	5

Development Cooperation (Investment and Financing Examination and Surveys)

CASE	DURATION	PERSON ENGAGED
Experimental Project for Production of Vegetable Seed, Experimental Project for Herb Cultivation, Experimental Project for Asparagus and Cacao Cultivation	91.12. 8 - 91.12.20	3

||||||| Mining & Industry |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Geological Survey of Dam Base	8,754	The Royal Irrigation Department, Ministry of Agriculture and Cooperatives

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Metal Working and Machinery Industries Development Institute	48	25	165,985	86.10. 1 - 91. 9.30
The Industrial Standardization, Testing and Training Centre	21	9	43,702	89.12. 1 - 94.11.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Study on Prevention and Control of Offensive Odors from Small and Medium Factories	Ministry of Industry
Mineral Exploration in Kra Buri Area	Department of Mineral Resources, Ministry of Industry

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Lignite Briquette Development	National Energy Administration, Ministry of Science, Technology and Energy
Feasibility Study on Lam Ta Khong Pumped Storage Project	EGAT (Electricity Generating Authority of Thailand)
Feasibility Study on Sin Pun Fluidized-Bed Combustion Coal- Fired Thermal Plant Development	EGAT (Electricity Generating Authority of Thailand)
The Study on Bulk Power Supply for the Greater Bangkok Area Project	EGAT (Electricity Generating Authority of Thailand)

||||||| Commerce & Tourism |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Tourism Development Study on the Hua Hin and Cha-am Beach Resort Area	Tourism Authority of Thailand

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Industrial Rehabilitation Center	73	35	233,365	84. 2.23 - 92. 3.31
ASEAN Project on Atmospheric Corrosion - Organic Coatings	35	14	240,065	87.11.30 - 92.11.29
Expansion Project of King Mongkut's Institute of Technology, Ladkrabang	90	30	774,636	88. 4. 1 - 93. 3.31
The Ubon Institute for Skill Development Project	48	16	230,320	88.10. 1 - 93. 9.30

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
The Project for the Supplying Equipment to Bioscience Laboratories in Chulabhorn	407	
The Project for Providing Equipment for the Development of Courses in Pathumwan Technical College	618	Basic Design Study

Public Health & Medicine

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Research Promotion Project in the National Institute of Health	127	39	237,879	85. 8. 1 - 92. 7. 31
Family Planning and Maternal and Child Health Project	5	2	5,522	91. 6. 1 - 96. 5. 31
Community Health Project	5	2	0	91. 9. 1 - 96. 8. 31

Viet Nam

Sector		Type of Cooperation	Total	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries					Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (V Thousand)	
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing		Commerce & Trade	Tourism	Human Resources	Science & Culture					
Acceptance of Trainees	New operations in 1991		29		12				1												13	3		79,575	
	Continued from FY 1990		4																		4				
	Total		33		12				1													17	3		
Dispatch of Experts	Short-term		2																						3,914
	Continued from 1990																								
	Total		2																						
Dispatch of Specialists	New in 1991																								46,860
	Continued from 1990																								
	Total																								
Dispatch of Specialists	New operations in 1991		8																			8			46,860
	Continued from FY 1990		8																			8			
	Total		16																			16			
Dispatch of Specialists	New operations in 1991																								46,860
	Continued from FY 1990																								
	Total																								

ASIA

Hong Kong

Sector		Total	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resources Development			Social Welfare	Others	Expenses (¥ Thousand)	
			Public Administration	Development Planning	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries		Mining	Manufacturing	Commerce & Trade	Tourism	Human Resources				Science & Culture
Types of Cooperation	Acceptance of Trainees	New operations in 1991	38	14	1	3	3				1			1	5		1		4	5	96,592	
		Continued from FY 1990	1										1									
		Total	39	14	1	3	3									5		1		4		5
	Dispatch of Experts	Short-term	New in 1991	4									4									87,388
Continued from 1990														4								
Total			4																			
Long-term		New in 1991	2										2									
	Continued from 1990	5										5										
	Total	7											7									
Dispatch of Survey Teams	Total	New in 1991	6										6									
		Continued from 1990	5										5									
		Total	11											11								
	Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991	5										5									
Continued from FY 1990																						
Total		5																				
Dispatch of Japan Overseas Cooperation Volunteers	Total	New operations in 1991																				
		Continued from FY 1990																				

Hong Kong

Mining & Industry

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Development of Precision Sheet Metal Processing Technology	33	6	374,413	89. 3.23 - 93. 3.22

ASIA

[illegible]

[MIDDLE EAST]

Algeria

Public Works & Utilities

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Superior Maritime Institute of Bou-Ismaïl Project	20	10	399,125	90. 3.31 -- 94. 3.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Development of the Ports of Algiers, Oran and Annaba	Direction of Ports, Ministry of Transport

Human Resources Development

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The University of Science and Technology of Oran	32	9	201,875	89.11. 1 -- 94.10.31

MIDDLE EAST

Bahrain

Type of Cooperation	Sector	Public Works & Utilities												Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (in thousands)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources Development	Human Resources Development	Public Health & Medicine	Social Welfare	Others	Expenses (in thousands)
Type of Cooperation	Total	New operations in 1991	3	2	1	2	1	1	1	1	2	2									28,215
		Continued from FY 1990	3	2	1	2	1	1	1	1	2	2									
		Total	3	2	1	2	1	1	1	1	2	2									
		New in 1991																			
Dispatch of Experts	Total	Short-term																			15,113
		Continued from 1990																			
		Total																			
		New in 1991																			
Dispatch of Experts	Total	Long-term																			
		Continued from 1990																			
		Total																			
		New in 1991																			
Dispatch of Experts	Total	Continued from 1990																			
		Total																			
		New in 1991																			
		Continued from 1990																			
Dispatch of Experts	Total	Total																			
		New operations in 1991																			
		Continued from FY 1990																			
		Total																			
Dispatch of Experts	Total	New operations in 1991																			
		Continued from FY 1990																			
		Total																			
		New operations in 1991																			
Dispatch of Experts	Total	Continued from FY 1990																			
		Total																			
		New operations in 1991																			
		Continued from FY 1990																			
Dispatch of Experts	Total	Total																			
		New operations in 1991																			
		Continued from FY 1990																			
		Total																			

Egypt

Type of Cooperation		Sector	Public Works & Utilities										Mining & Industry		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)			
			Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture							
Acceptance of Trainees	Total	New operations in 1991	168	1	26	2	25	8	8		16				4	1	23	4	5	1	9	2	30	3	516,042
		Continued from FY 1990	23	3		2					5				1		4						8		
		Total	191	4	26	2	27	8	8		21				5	1	27	4	5	1	9	2	38	3	
	Dispatch of Experts	Total	New in 1991	52			10		5	6		6			6	1	2					6		16	
Continued from 1990			1																				1		
Total			53			10		5	6		6				6	1	2				6		17		
Dispatch of Experts		Total	New in 1991	12	1				1	1												3		6	
	Continued from 1990		30	1	1		1	3			3				4		3				5		11		
	Total		42	2	1		2	4			4				4		3				8		17		
	Dispatch of Experts	Total	New in 1991	64	1		10		6	7					6	1	2				9		22		
Continued from 1990			31	1	1		1	2			4		3		4		3			5		12			
Total			95	2	1	10		7	10			10	1	5		10	1	5		14		34	1		
Dispatch of Experts		Total	New operations in 1991	149	3	15	47	11		44								13			3		10	3	754,006
	Continued from FY 1990																								
	Total		149	3	15	47	11		44									13			3		10	3	
	Dispatch of Experts	Total	New operations in 1991																						259
Continued from FY 1990																									
Total																									

MIDDLE EAST

Egypt

||||||| Planning & Administration |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Transportation System and the National Road Transport Master Plan	Transport Planning Authority, Ministry of Transport

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Detailed Design on the Urgent Development Plan of the Suez Bay Coastal Area Development	Ministry of Development, New Communities, Housing and Public Utilities (MODANC)
North Sinai Groundwater Resource Study	Research Institute for Water Resources, Ministry of Public Works and Water Resources

Grant Aid

CASE	EXPENSES (Million)	ACTIVITIES CONDUCTED BY JICA
Project for Replacing the Training Vessel	1,208	
Project for Rehabilitation of Ahmed Hamdi Tunnel	243	Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Rice Mechanization Pilot Project	70	36	549,202	81. 8.18 - 92. 3.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study for Rehabilitation and Improvement of Delivery Water System on Bahr Yusef Canal	Department of Irrigation, Ministry of Public Works and Water Resources

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Rehabilitation and Development of Ataqa Fishing Port	898	
Increase of Food Production	500	Aptness Study of the Requested Equipment Expediting of Execution
Project for Wheat Production Increase through Mechanization in Nile Valley	151	Aptness Study of the Requested Equipment Expediting of Execution
Project for the Improvement of Rice Storage Center	1,328	Basic Design Study Expediting of Execution
Project for the Rehabilitation of Floating Pump Stations in Upper Egypt	680	Basic Design Study

||||||| Mining & Industry |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study Update of the Expansion Project of the El Dikheila Iron & Steel Works	Ministry of Industry

MIDDLE EAST

Human Resources Development

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Construction Equipment Training Center in Tenth of Ramadan	18	13	115,398	89. 2. 1 - 94. 1.31

Public Health & Medicine

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Cairo University Children Hospital (Phase II)	43	18	95,671	89. 7. 1 - 94. 6.30
Pilot Project of Family Planning and Maternal and Child Health	17	7	188,817	89. 9.19 - 92. 9.18

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Improvement of the High Institute of Nursing, Cairo University	574 3,263	Expediting of Execution

Iran

Sector		Type of Cooperation	Total	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (Million US Dollars)		
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism		Human Resources	Science & Culture								
Acceptance of Trainees	New operations in 1991		47		3		5	4	2	6				1	2	9	2	2	1	4	3	3				145,605		
	Continued from FY 1990		8						1	2				1		4												
	Total		55		3		5	4	3	8				2	2	13	2	2	1	4	3	3						
	Short-term		61	1	6						3										1	50						
Dispatch of Experts	Continued from 1990																										269,499	
	Total		61	1	6						3																	
	New in 1991		2							2																		
	Long-term		5							5											1	50						
Dispatch of Survey Teams Members	Continued from 1990		7							7																		295,621
	Total		63	1	6					5											1	50						
	New in 1991		5							5																		
	Long-term		88	1	6					10											1	50						
Dispatch of Specialists Cooperation Volunteers	Continued from FY 1990		57	6		7				28							16										295,621	
	Total		57	6		7				28							16											
	New operations in 1991																											
	Continued from FY 1990																											

MIDDLE EAST

Iran

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Haraz River Basin Agricultural Development Project	13	8	165,724	90. 4. 1 - 95. 3.31

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study of Irrigation and Drainage Development Project in the Haraz River Basin	Ministry of Agriculture

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study of the Comprehensive Energy Development Plan	Plan and Budget Organization (PBO)

Iraq

Type of Cooperation		Sector	Total	Planning & Administration		Public Works & Utilities		Agriculture, Forestry & Fisheries		Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (Y Thousand)	
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming		Forestry	Fisheries	Mining	Manufacturing					Commerce & Trade
Acceptance of Trainees	New operations in 1991 Continued from FY 1990 Total	Total	New in 1991 Contd. from 1990 Total	Short-term	Long-term	Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	
Dispatch of Experts	New operations in 1991 Continued from FY 1990 Total	Total	New in 1991 Contd. from 1990 Total	Short-term	Long-term	Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total
Dispatch of Survey Teams Members	New operations in 1991 Continued from FY 1990 Total	Total	New in 1991 Contd. from 1990 Total	Short-term	Long-term	Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991 Continued from FY 1990 Total	Total	New in 1991 Contd. from 1990 Total	Short-term	Long-term	Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total	New in 1991 Contd. from 1990 Total

MIDDLE EAST

Iraq

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Electrical and Electronic Industries Training Center Project (Phase II)	17	16	556,690	88. 3.30 - 93. 3.29

Jordan

Sector	Type of Co-operation	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resource Development		Social Welfare	Others	Expenses (Y Thousand)
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries		Mining	Manufacturing	Commerce & Trade	Tourism			
Acceptance of Trainees	New operations in 1991	40	2	16	6	2	8						2	1	2	1	2	103,437	
	Continued from FY 1990																		
	Total	40	2	16	6	2	8						2	1	2	1	2		
	Short-term	5	1	1			1						1		1				
Dispatch of Experts	Continued from 1990																	82,797	
	Total	5	1	1			1						1		1				
	New in 1991	4		3			1												
	Long-term	4					2								2				
Total	Continued from 1990						2								2			19,807	
	Total	8		3			3						1		2				
	New in 1991	9	1	4			2						1		1				
	Continued from 1990	4					2								2				
Dispatch of Survey Teams & Members	Total	13	1	4			4						1		3			147,462	
	New operations in 1991	13		6									6		1				
	Continued from FY 1990																		
	Total	13		6									6		1				
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991	11		1											5	3	2	117,662	
	Continued from FY 1990	28		9			1								6	5	6		
	Total	39		10			1								11	8	8		

MIDDLE EAST

Jordan

||||||| Public Works & Utilities |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Teaching Material of Garden Designing	6,483	Salt Municipality

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Computer Technology Development and Training Center	4	8	383,282	90. 6.27 - 94. 6.26

||||||| Social Welfare |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Improvement of Working Environment	5,921	Ministry of Labour and Social Development

Kuwait

Type of Cooperation	Sector	Expenditures (Thousand)													
		Total	Planning & Administration	Public Works & Utilities	Agriculture, Forestry & Fisheries	Mining & Industry	Energy	Commerce & Tourism	Human Resources Development	Public Health & Medicine	Social Welfare	Others	Expenses (Thousand)		
Acceptance of Trainees	New operations in 1991	1													
	Continued from FY 1990														
	Total	1													
Dispatch of Experts	New in 1991	5	5												
	Contd. from 1990														
	Total	5	5												
Dispatch of Experts	New in 1991														
	Contd. from 1990														
	Total														
Dispatch of Experts	New in 1991	5	5												
	Contd. from 1990														
	Total	5	5												
Dispatch of Experts	New operations in 1991														
	Continued from FY 1990														
	Total														
Dispatch of Experts	New operations in 1991														
	Continued from FY 1990														
	Total														
Dispatch of Experts	New operations in 1991														
	Continued from FY 1990														
	Total														

MIDDLE EAST

Sector		Type of Cooperation	Total	Planning & Administration		Public Works & Utilities				Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resources Development			Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Rearing	Forestry	Fisheries	Mining		Manufacturing	Commerce & Trade	Tourism	Human Resources	Science & Culture				
Acceptance of Trainees	New operations in 1991		1											1										
	Continued from FY 1990																							
	Total		1											1										
	Short-term	New in 1991																						
		Contd. from 1990																						
Dispatch of Experts	Total																							
	New in 1991																							
	Long-term																							
	Contd. from 1990																							
	Total																							
Dispatch of Japanese Overseas Volunteer	New in 1991																							
	Contd. from FY 1990																							
	Total																							
	New operations in 1991																							
	Continued from FY 1990																							

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Morocco

||||||| Agriculture, Forestry & Fisheries |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Moroccan Fisheries Training Project	24	16	333,820	87. 1.19 - 93. 9.30

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study on the Ouergha River Basin Irrigated Agricultural Development Project	Ministry of Interior and Information
The Study on Regional Reforestation Plan for Fuelwood Production	Department of Forests and Soil Conservation, Ministry of Agriculture and Agrarian Reform

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Construction of Shipyard for Repair of Fishing Vessels in Agadir	901	

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study on Rural Electrification with Small-Scale Hydro in Morocco Zone I	Ministry of Energy and Mines Morocco Electric Power Corporation

||||||| Human Resources Development |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Construction of the Training Center for Road Construction and Maintenance Machineries	897	Basic Design Study

MIDDLE EAST

Sector		Type of Cooperation												Expenses (Y Thousand)						
		Total																		
Acceptance of Trainees	New operations in 1991	17	7	2																
	Continued from FY 1990	1																		
	Total	18	7	2																
Dispatch of Experts	New in 1991	6	2																	
	Continued from 1990																			
	Total	6	2																	
Dispatch of Survey Teams	New in 1991	2	1																	
	Continued from 1990	5																		
	Total	7	1																	
Dispatch of Japan Overseas Cooperation Volunteers	New in 1991	8	3																	
	Continued from 1990	5																		
	Total	13	3																	
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991	41																		
	Continued from FY 1990	3																		
	Total	44																		

Oman

||||||| Agriculture, Forestry & Fisheries |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Agriculture Development Project II in Nejd Region in the Sultanate of Oman	Ministry of Agriculture and Fisheries

||||||| Mining & Industry |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Establishment of the Industrial Statistics Information Center	Ministry of Commerce and Industry

MIDDLE EAST

Saudi Arabia

Type of Cooperation	Sector	Public Works & Utilities										Agriculture, Forestry & Fisheries			Mining & Industry		Energy		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (Yr Thousand)
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture								
Acceptance of Trainees	New operations in 1991		19	2	3	5	7					1	7				5	2	3							162,326
	Continued from FY 1990																4	2	2							
	Total		19	2	3	5	7					1	7				9	4	5							
Dispatch of Experts	New in 1991			4	2	1					2		4				3	10					11			269,229
	Contd. from 1990			4		9																18				
	Total			8	2	10					2		4				3	10				29				
Dispatch of Specialists	New in 1991												1					4								170,891
	Contd. from 1990												1					3								
	Total												1					7								
Dispatch of Short-term Members	New in 1991			4	2	1					2		5				3	14				11				170,891
	Contd. from 1990			4		10							1					3				18				
	Total			8	2	11					2		6				3	17				29				
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991		2										43													170,891
	Continued from FY 1990																									
	Total		2										43													
Total	New operations in 1991																									170,891
	Continued from FY 1990																									
	Total																									

MIDDLE EAST

Saudi Arabia

||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Sea Water Desalination Training Center	23	4	288,105	82. 1.12 - 92. 2.29

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Technical Cooperation for Sea Water Desalination Technology Project	Saline Water Conversion Corporation

||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Riyadh Electronics Technical Institute	42	21	530,650	74. 6.12 - 93. 3.31

Sudan

Type of Cooperation	Sector	Sector														Expenses (Y Thousand)						
		Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism			Human Resources Development		Public Health & Medicine	Social Welfare	Others	
		Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining		Manufacturing	Commerce & Trade		Tourism	Human Resources				Science & Culture
Acceptance of Trainees	Total	New operations in 1991	45	1	3	1	3	2	5	4	1	6	1	12	1		6					
		Continued from FY 1990	6						1				1		3							
	Total	51	1	3	1	3	2	5	5	1	1	7		15	1		7					116,069
	Short-term	New in 1991	15	1											14							
Cont'd. from 1990																						
Dispatch of Experts	Total	New in 1991	15	1										14								
		Cont'd. from 1990	2												2							
	Total	2												2								74,764
	Long-term	New in 1991																				
Cont'd. from 1990																						
Dispatch of Survey Teams Members	Total	New in 1991	15	1										14								
		Cont'd. from 1990	2												2							
	Total	17	1											16								
	New operations in 1991		31		6			2	9						14							
Continued from FY 1990																						
Dispatch of Japan Overseas Volunteers	Total	New operations in 1991	3		1									1								
		Continued from FY 1990	4		1									1								
	Total	7		2									2									28,025

Sudan

||||| Agriculture, Forestry & Fisheries |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study for the Hurga and Nur El Din Pumped Irrigation Schemes	Ministry of Irrigation

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	100	Aptness Study of the Requested Equipment Expediting of Execution

||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER-PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Khartoum Training Hospital	48	21	239,642	85. 4. 1 - 92. 3.31

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Supply of Basic Medical Equipment and Materials	838	Basic Design Study

Syria

Sector		Type of Cooperation															Expenses (¥ thousand)					
		Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others		
		Public Administration	Development Planning	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining		Manufacturing			Commerce & Trade				Tourism	Human Resources Development
Acceptance of Trainees	New operations in 1991	24	1	3	2	1	1	2	1	1	1	1	12	1							75,218	
	Continued from FY 1990	6							1			5										
	Total	30	1	3	2	1	1	2	1	1	1	1	17	1								
	Short-term												5									
	Continued from 1990																					
Dispatch of Experts	Total	5											5								95,698	
	New in 1991	2											2									
	Continued from 1990	2																				
	Total	4											2									
	New in 1991	7											7									
Dispatch of Survey Teams Members	Continued from 1990	2																			20,457	
	Total	9											7									
	New operations in 1991	10	5										5									
	Continued from FY 1990																					
	Total	10	5											5								
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991	8		1									1					2			166,114	
	Continued from FY 1990	29		3									5					14				
	Total	37		4									6					16				

MIDDLE EAST

Syria

||||||| Agriculture, Forestry & Fisheries |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Promotion of Dairy Farming	3,099	General Organization of Cattle, Ministry of Agriculture and Agrarian Reform

||||||| Mining & Industry |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
National Standards and Calibration Laboratory Project	22	21	711,791	87.10. 3 - 92.10. 2

||||||| Public Health & Medicine |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Pharmaceutical Research	9,373	The College of Pharmacy at Damascus University

Tunisia

Type of Cooperation	Sector	Public Works & Utilities										Mining & Industry	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism	Human Resources	Science & Culture				
Acceptance of Trainees	Total																			
	New operations in 1991	2		3	3		1		1	2	1		2				3	1		49,940
	Continued from FY 1990	1										1								
	Total	3		3	3		1		1	2	1	1	2				3	1		
Dispatch of Experts	Total																			27,625
	New in 1991																			
	Contd. from 1990																			
	Total																			
Dispatch of Experts	Total																			419,293
	New operations in 1991	1			18				6			16					4			
	Continued from FY 1990																			
	Total	1			18				6			16					4			
Dispatch of Japan Overseas Cooperation Volunteers	Total																			117,402
	New operations in 1991																			
	Continued from FY 1990	3	2				3	1	2			4								
	Total	3	2				3	1	2			4								

MIDDLE EAST

Tunisia

||||||| Planning & Administration |||||

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Anti-pollution Activities	48,264	Laboratory of Environment Sciences, ENIS

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Topographic Mapping of Central Republic of Tunisia	Ministry of Equipment and Housing

||||||| Agriculture, Forestry & Fisheries |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Forest Management Study in the Medjerdanet Basin	Ministry of Forest

||||||| Mining & Industry |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Industrial Waste Treatment and Recycling Plan in the Region of Sfax	National Environmental Protection Agency

Turkey

Type of Cooperation	Sector	Total														Expenses (¥ thousand)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture, Forestry & Fisheries	Mining & Industry	Energy	Commerce & Tourism	Human Resources Development	Public Health & Medicine	Social Welfare	Others		
Acceptance of Trainees	New operations in 1991	13	1	8	3	6	12	1	2	12	11	11	2		294,177	
	Continued from FY 1990			1			1	1	2	1		2				
	Total	13	1	9	3	6	13	2	4	13	11	13	2			
	Short-term			3			1		1							
Dispatch of Experts	New in 1991						1								564,874	
	Continued from 1990						1									
	Total						2									
	Long-term			1			2									
Total	New in 1991			2	1	2	2									
	Continued from 1990			2	1	2	2									
	Total			4	2	4	4									
	Short-term			3	1	2										
Total	New in 1991			4		3	3									
	Continued from 1990			2	1	2	3									
	Total			6	1	5	6									
	Short-term			11			16									
Dispatch of Survey Teams	New operations in 1991	4													507,667	
	Continued from FY 1990															
	Total	4														
	Short-term			11												
Total	New operations in 1991															
	Continued from FY 1990															
	Total															
	Short-term															

Turkey

||||||| Public Works & Utilities |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study of Motorway Maintenance, Operation and Traffic Management System	The General Directorate of Highways, Ministry of Public Works and Settlement

||||||| Agriculture, Forestry & Fisheries |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Fisheries Resource Study	Ministry of Agriculture, Forestry and Rural Affairs

Development Cooperation (Basic Development Survey)

CASE	DURATION	PERSON ENGAGED
Development Cooperation of Flowers' Seeding	91. 6. 2 - 91. 6.21	6
Plan Coordination Study on the Project for Agriculture Development in Semi-arid Area of Turkey	91. 6. 6 - 91. 6.16	3
Field Study on the Project for Agriculture Development in Semi-arid Area of Turkey	91. 9.29 - 91.10.10	3
Plan Coordination Study on the Project for Agriculture Development in Semi-arid Area of Turkey	92. 3.23 - 92. 4.18	4

Development Cooperation (Expert Dispatch)

CASE	TECHNICAL GUIDANCE
Field Study on the Project for Agriculture Development in Semi-arid Area of Turkey	For: Fruit Farming, Dry Field Farming, Vegetables, Irrigation

Development Cooperation (Training)

CASE	DURATION	COUNTERPART (Person)	RELATED PROJECT
General Study in Agriculture	91. 9. 3 - 91.11.27	4	Field Study on the Project for Agriculture Development in Semi-arid Area of Turkey
General Study in Agriculture	91.11.14 - 91.11.27	3	Field Study on the Project for Agriculture Development in Semi-arid Area of Turkey

||||||| Mining & Industry |||||

Equipment Supply

EQUIPMENT	EXPENSES (YThousand)	FACILITIES
Equipment for Mineral Analysis	58,144	Research Planning and Coordination, Ministry of Energy and Natural Resources

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Mineral Exploration in Kune Area	Mine Development Bank
Mineral Exploration in Cannakkale Area	General Directorate of Mineral Research and Exploration

||||||| Energy |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Feasibility Study on Oltu River Hydroelectric Power Development Project	Electric Power Resources Surveys and Development Administration (EIE)

||||||| Human Resources Development |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Istanbul-Tuzla Vocational and Technical High School	33	20	841,961	87.10. 1 - 92. 9.30

||||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
Project of Promotion of Population Education	22	9	171,268	88.11. 8 - 93.11. 7

United Arab Emirates

Sector		Type of Cooperation	Total											Expenses (¥Thousand)						
			Planning & Administration	Public Works & Utilities			Agriculture, Forestry & Fisheries			Mining & Industry		Energy	Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	
Acceptance of Trainees	New operations in 1991	8	4										1	1	1					
	Continued from FY 1990	3												3						
	Total	11	4											4						
	Short-term	6																		
	Continued from 1990																			
Dispatch of Experts	Total	6																		
	New in 1991	3																		
	Continued from 1990	1																		
	Long-term																			
	Continued from 1990																			
Dispatch of Japan Overseas Cooperation Volunteers	Total	4																		
	New in 1991	9																		
	Continued from 1990	1																		
	Total	10																		
	New operations in 1991																			
Dispatch of Japan Overseas Cooperation Volunteers	Continued from FY 1990																			
	Total																			
	New operations in 1991																			
	Continued from FY 1990																			
	Total																			

Yemen

Type of Cooperation	Sector	Public Works & Utilities										Mining & Industry	Energy	Commerce & Tourism		Human Resources Development	Public Health & Medicine	Social Welfare	Others	Expenses (Y thousand)
		Planning & Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing		Commerce & Trade	Tourism	Human Resources	Science & Culture			
Acceptance of Trainees	Total	25	1	3	5	5	1	1	2	2			1				8			64,080
	New operations in 1991	1	3	1	5	5	1	1	2	2							1			
	Continued from FY 1990	1	1	3	1	1	1	1	1	1							1			
Dispatch of Experts	Total	26	1	3	5	5	1	1	2	2			1				9			
	New in 1991	6															6			
	Continued from 1990																			
Dispatch of Specialists	Total	6															6			233,538
	New in 1991	2			1												1			
	Continued from 1990	12	2	1					4	4			2				2			
Dispatch of Specialists Members	Total	14	2	1	1								2				9			
	New in 1991	8			1												7			
	Continued from 1990	12	2	1					4	4			2				2			
Dispatch of Japan Overseas Cooperation Volunteers	Total	20	2	1	1								2				9			
	New operations in 1991	50	10	5	18							17								304,568
	Continued from FY 1990																			
Dispatch of Japan Overseas Cooperation Volunteers	Total	50	10	5	18							17								
	New operations in 1991	3	2									1								
	Continued from FY 1990																			
Dispatch of Japan Overseas Cooperation Volunteers	Total	3										1								27,060
	New operations in 1991																			
	Continued from FY 1990																			

Yemen

Public Works & Utilities

Equipment Supply

EQUIPMENT	EXPENSES (¥Thousand)	FACILITIES
Equipment for Traffic Safety Improvement	30,060	Minsitry of Housing and Urban Planning

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on Groundwater Development for Sana'a	National Water and Sewerage Authority (NWSA)

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for the Rural Water Supply	587	Basic Design Study

Agriculture, Forestry & Fisheries

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	500	Aptness Study of the Requested Equipment Expediting of Execution

||||||| Mining & Industry |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
The Study on the Expansion Project of the Mafrak Cement Plant	Yemen General Corporation for Cement Industry and Marketing (YCC)

||||||| Public Health & Medicine |||||

Project-type Technical Cooperation

*Cumulative operations since each project started

PROJECT	*EXPERT DISPATCH (Person)	*COUNTER- PART (Person)	*EQUIPMENT SUPPLY (¥Thousand)	DURATION
The Tuberculosis Control	36	17	216,042	83. 9. 1 - 92. 8.31

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Expansion of National Tuberculosis Control Programme	508	

[AFRICA]

Angola

Sector		Type of Cooperation	Total	Planning & Administration				Public Works & Utilities				Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development	Public Health & Medicine	Social Welfare	Others	Expenses (¥ Thousand)
				Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism		Human Resources	Science & Culture					
Acceptance of Trainees	New operations in 1991		2		2																				
	Continued from FY 1990																								
	Total		2																						
Dispatch of Experts	Short-term																								
	New in 1991																								
	Contd. from 1990																								
	Total																								
	Long-term																								
	New in 1991																								
Dispatch of Specialists/Trainers/Members	Continued from 1990																								
	New in 1991																								
	Total																								
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991		3																						
	Continued from FY 1990																								
	Total		3																						

AFRICA

Benin

Sector		Type of Cooperation	Public Works & Utilities										Planning & Administration		Agriculture, Forestry & Fisheries				Mining & Industry		Energy	Commerce & Tourism		Human Resources Development			Social Welfare	Others	Expenses (Thousand)	
			Public Administration		Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Commerce & Trade	Tourism	Human Resources	Science & Culture												
Acceptance of Trainees	Total	New operations in 1991	5	1																										
		Continued from FY 1990																												
		Total	5	1																										
Dispatch of Experts	Short-term	New in 1991																												
		Cont'd. from 1990																												
		Total																												
	Long-term	New in 1991	1																											
		Cont'd. from 1990																												
		Total	1																											
Total	New in 1991	1																												
	Cont'd. from 1990																													
	Total	1																												
Dispatch of Survey Teams Members	New operations in 1991		6																											
	Continued from FY 1990																													
	Total		6																											
Dispatch of Japan Overseas Cooperation Volunteers	New operations in 1991																													
	Continued from FY 1990																													
	Total																													

[AFRICA]

Benin

Public Works & Utilities

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for Water Supply Planning in Rural Area	573	Basic Design Study

Agriculture, Forestry & Fisheries

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	250	Aptness Study of the Requested Equipment Expediting of Execution

AFRICA

Botswana

Sector	Type of Cooperation	Total	Planning & Administration	Public Works & Utilities	Agriculture, Forestry & Fisheries	Mining & Industry	Energy	Commerce & Tourism	Human Resources Development	Public Health & Medicine	Social Welfare	Others	Expenses (Thousands)
Acceptance of Trainers	New operations in 1991	2	1								1		2,219
	Continued from FY 1990												
	Total	2	1								1		
Dispatch of Experts	New in 1991												
	Short-term												
	Continued from 1990												
	Total												
	New in 1991												
	Long-term												
Dispatch of Survey Teams Members	Continued from 1990												
	Total												
	New in 1991												
Dispatch of Japan Overseas Cooperation Volunteers	Continued from 1990												
	Total												
	New operations in 1991												
Total	Continued from FY 1990												2,699
	Total												
	New operations in 1991												

Burkina Faso

Type of Cooperation	Sector	Total	Planning & Administration		Public Works & Utilities			Agriculture, Forestry & Fisheries				Mining & Industry		Energy		Commerce & Tourism		Human Resources Development		Public Health & Medicine	Social Welfare	Others	Expenses (Y Thousand)
			Development Planning	Public Administration	Public Works	Transportation	Social Infrastructure	Telecommunications & Broadcasting	Agriculture	Livestock Farming	Forestry	Fisheries	Mining	Manufacturing	Energy	Commerce & Trade	Tourism	Human Resources	Science & Culture				
Acceptance of Trainees	New operations in 1991	3																		1			3,391
	Continued from FY 1990																						
	Total	3																		1			
Dispatch of Experts	New in 1991		Short-term																				
	Contd. from 1990																						
	Total																						
Dispatch of Survey Teams Members	New in 1991		Long-term																				
	Contd. from 1990																						
	Total																						
Dispatch of Asian Overseas Cooperation Volunteers	New operations in 1991	13			4																		147,185
	Continued from FY 1990	7			7																		
	Total	20			11																		
Total	New operations in 1991																						
	Continued from FY 1990																						
	Total																						

AFRICA

Burkina Faso

||||||| Public Works & Utilities |||||

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Project for the Reinforcement of Transportation of the Food Corporation	315	Aptness Study of the Requested Equipment Expediting of Execution
Project for Water Supply in Rural Areas of Poni and Bougouriba Provinces	581	Basic Design Study

||||||| Agriculture, Forestry & Fisheries |||||

Development Study

NAME OF DEVELOPMENT STUDY	EXECUTING AGENCY OF THE RECIPIENT
Master Plan Study on the Integrated Agricultural Development in the Upper Mouhoun River Basin	Ministry of Water

Grant Aid

CASE	EXPENSES (¥Million)	ACTIVITIES CONDUCTED BY JICA
Increase of Food Production	300	Aptness Study of the Requested Equipment Expediting of Execution