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STATISTICS ON CUMULATIVE EXPENDITURE OF JICA TECHNICAL COOPERATION BY PROJECT IN THE REPUBLIC OF THAILAND <sup>2</sup>/<sub>2</sub>

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Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1000 yen)	
			Type of survey	Survey teams	Number of staff member	Expenditures (1000 yen)	Number of experts		Expenditures (1000 yen)	Names of major equipment items	Expenditures (1000 yen)		
							Ongoing	New					
(Extension): April 1, 1980 - March 31, 1982 (Follow-up): April 1, 1982 - September 30, 1983	In response to this request, the Japanese government conducted a preliminary survey on the five ASEAN countries in January of 1976 to determine whether the requested cooperation for Thailand was more appropriate than the originally scheduled cooperation for Indonesia. The field survey team sent in March of 1977 discussed details and methods of cooperation with the Thai government to determine the basis of cooperation for Thailand as a part of the technical cooperation being extended for developing natural rubber processing in the five ASEAN countries. This team also signed the R/D agreement. Three years of cooperation were to be extended to the Technical Department of the Rubber Laboratory (operated by the Agricultural Agency of the Ministry of Agricultural Cooperatives). The purposes of this cooperation project were: (1) Promoting quality control (2) Providing assistance to the existing rubber industry (3) Training personnel	1978				①164	3	3	30,930	Banbury mixer, motorcar	③3,744 25,685	60,523	
		1979				155	2	6	30,945	cure meter, aerometer	①1,814 11,744	44,658	
		1980	Evaluation (Survey)	Feb. 26 ~ Mar. 11, 1981	2	1,544	4	6	34,517	Extruding machine, centrifuge, high-speed reaction liquid for GPC measurement	④4,846 79,053	119,960	
		1981	Technical advisory survey	Nov. 25 ~ Dec. 9, 1981	5	3,593	2	5	36,718	Parts for Rheometer and mooney viscosity meter	③3,042 19,747	} 63,650	
		1981				550							
		1982					①134	4	2	34,736	Microbus, spare parts of rheometer parts, personal computer	①1,717 11,460	48,047
		1983					①90	4	3	22,230	Drying oven, muffle furnace, plasticorder, gear oven	①1,156 5,268	28,744



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							Ongoing	New													
	<p>The mutual consultation survey team sent in September of 1983 signed the R/D agreement to initiate four years of cooperation. A discussion team was also sent to discuss planning in fiscal year 1984.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>'82</td> <td>83</td> <td>84</td> <td>85</td> </tr> <tr> <td>No.</td> <td>0</td> <td>0</td> <td>6</td> <td>3</td> </tr> </table>	Fiscal year	'82	83	84	85	No.	0	0	6	3										
Fiscal year	'82	83	84	85																	
No.	0	0	6	3																	
<p>Maize Quality Improvement Research Center Project Cooperating organization in Thailand: Ministry of Agricultural Cooperatives, Agricultural Agency Cooperating organization in Japan: Ministry of Agriculture, Forestry and Fisheries</p>	<p>The maize grown in Thailand (and exported as livestock feed) had suffered from damage due to molding and deteriorating quality. When the Minister of Commerce visited Japan in August of 1984, followed by the Vice President in December, the Thai government requested that Japan provide technical cooperation to improve the quality of maize. In response to this request, the Japanese government conducted an on-site survey in February of 1985 to collect the necessary information regarding the request, then sent a preliminary survey team to fully understand all aspects of the requested cooperation, and conduct a field survey in October of 1985.</p>	1984	Contact	Feb 20 ~ 27, 1985	6	3,000			—	—	3,000										
		1985	Preliminary survey	Sep. 30 ~ Oct. 11, 1985	6	5,236	0	2	1,366		◎30	6,632									
		1986					3,155					3,155									
			Cumulative total				11,391			1,366		30	12,787								

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1000 yen)
			Type of survey	Survey teams	Number of staff member	Expenditures (1000 yen)	Number of experts		Names of major equipment items	Expenditures (1000 yen)	
							Ongoing	New			
Metal Working and Machinery Industries Development Institute Type of agreement: R/D Date signed: July 19, 1986 Cooperation term: (Initial): October 1, 1986 - September 30, 1991 Cooperating organization in Thailand: Ministry of Industry Cooperating organizations in Japan: Ministry of Finance, Raw Materials Foundation	The Thai government planned to support small-to-medium sized businesses in its fifth Five-year National Economic and Social Development Project (beginning in October of 1981) to promote economic independence and strengthen the economic foundation of Thailand. As a part of the plan, the Thai government planned to establish the Metal Working and Machinery Industries Development Institute (MIDI) to conduct the following activities, and requested that the Japanese government provide the necessary technical cooperation: (1) Providing instruction in metalwork techniques (2) Providing assistance and instruction for small to medium-sized plants (3) Developing, providing and testing production techniques The institute is being constructed based on Japanese grant aid, and a preliminary survey team (dispatched in June of 1985) conducted a study to determine the feasibility of follow-up technical cooperation.	1985	Preliminary survey	Jun. 4 ~ 18	6	5,666	0	3	2,923	—	8,589
		1986				6,827			9,980	④410	17,217
		Cumulative total				12,493			12,903	410	25,806

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1000 yen)
			Type of survey	Survey teams	Number of staff member	Expenditures (1000 yen)	Number of experts		Names of major equipment items	Expenditures (1000yen)	
							Ongoing	New			
Preliminary survey on Technical Cooperation for Natural Rubber Development Term of survey: January 19 - February 17, 1976	(Indonesia, Malaysia, Singapore, the Philippines, Thailand) See the section on Asia in general for details.	1975	Preliminary survey	Jan.19 ~ Feb. 17,	(4)	(922)					(922)
		Cumulative total					922				922

(Nation) Thailand

Name of programme or item	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Total
Others	- 1983		24,944	4,578				29,522
	Cumulative total		24,944	4,578				29,522
(Total of Industrial Development Cooperation Programme)			(158,388)	(1,051,488)		(1,127,786)		(2,337,662)



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
7	Survey on Agricultural Development Project	Agricultural survey planning based on understanding the actual conditions and problems of agriculture in Thailand, and planning agricultural surveys to study future development.	1962	Investment	Feb. 28 ~ Mar. 31, 1963	5	2,212
			1963	Investment	Apr. 1 ~ 7, 1963	(5)	406
			Cumulative total				
8	Survey on Songkhla Port Construction Project	Basic survey on port improvement and extension project feasibility study on phased master plan in view of future development	1965	Investment	Nov. 9 ~ Dec. 13 1965	6	3,665
			1966	Investment	Mar. 25 ~ Jul. 2, 1967	5	4,421
			1967	Investment	Jun. 17 ~ Jul. 16, 1967	6	14,736
			1970	Detailed design (Survey)	Nov. 17 ~ 28, 1970	4	1,803
			1971	Investment	Aug. 16 ~ Nov. 28, 1971	15	37,961
			1972	Investment	Jun. 26 ~ Jul. 5, 1972	5	4,173
			Cumulative total				
9	Survey on Southeast Asia Cable Plan	Selection of cable connection point in Thailand for cable laid between Taiwan and Thailand (via the Philippines)	1965	Investment	Mar. 24 ~ 31, 1966	5	1,779
			1966	Investment	Apr. 1 ~ 2, 1966	(5)	2,113
			Cumulative total				
10	Survey on TV Broadcasting Network Construction Plan	Survey on design and construction of a nationwide TV broadcasting network by building local transmission and microwave relay stations Survey on design and construction for this plan	1966	Investment	May. 23 ~ Aug. 30, 1966	7	10,893
			Cumulative total				



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
11	Survey on Bridge Construction Project between Bangkok and Thonburi	(1) No. 1 bridge construction project A geographic and geologic survey was conducted for the No. 1 bridge construction project over the Chao Phraya river. This bridge would reduce traffic between the Bangkok metropolitan area and Thonburi.	1967	Investment	Dec. 3, 1967 ~ Mar. 9, 1968	8	17,262
			1968	Investment		0	3,274
			1968	Detailed design (Survey)	Jul. 14 ~ Aug. 2, 1968	8	38,950
			Cumulative total				59,486
		(2) No. 2 bridge construction project	1968	Investment	Mar. 2 ~ Apr. 13, 1969	9	6,457
			1969	Field survey	Aug. 9 ~ 23, 1969	5	} 18,607
			1969	Explanation of reports	Mar. 23 ~ Apr. 8, 1970	4	
			Cumulative total				25,064
12	Survey on Waterworks Facility Extension Project in Local Cities, and survey for detailed designs of their plans and projects	Feasibility study on Waterworks Facility Maintenance and Extension Project at Nakhon Ratchasima (northeast Thailand) and at Chiang Mai (northern Thailand) (1) A report on the preliminary survey (1971) was submitted. (2) The detailed design survey (1971) was continued. The project was explained and discussed with Thai side using a draft based on the survey. The work related to the work plan and design for Chiang Mai was also done.	1970	Field survey	Mar. 8 ~ Apr. 4, 1971	4	7,479
			1971	Explanation of reports	Aug. 8 ~ 22, 1971	3	7,117
			1972	Detailed design (Survey)	Jun. 26 ~ Sep. 28, 1972	17	} 84,465
			1972	Explanation of reports	Dec. 26, 1972 ~ Jan. 19, 1973	3	
			1972	Explanation of reports	Mar. 31 ~ Apr. 9, 1973	5	
			Cumulative total				99,061
13	Survey on Meat Processing Development Project	Field survey on such problems as livestock diseases (i.e., hoof-and-mouth disease) and inadequate sanitation	1971	Preliminary survey	May 9 ~ 30, 1971	5	3,056
			Cumulative total				3,056

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
14	Survey on Railway Construction Project	(1) Pre-feasibility study Survey on the demand for transportation and a field survey of track conditions to select the most technically and economically advantageous route for extending the railway from Bangkok to Mae Sot near the Thai-Burmese border) as a part of the Asian railway trunk	1971	Field survey	Nov. 1 ~ 30, 1971	8	10,786
			1972	Explanation of reports	Jul. 5 ~ 14, 1972	3	2,483
			Cumulative total				
		(2) Survey on railway improvement project A survey on reinforcing and reconstructing 214,000 bridges over some 4,000 km of Thai National Railways track. Based on this survey, the data necessary for determining a work plan for this survey was collected, the local conditions were checked, and S/W discussions were held. The bridge conditions were evaluated according to the results of the preliminary survey conducted in October of 1975, and corrective actions for bridges to be improved or reconstructed were studied.	1975	Preliminary survey	Oct. 19 ~ Nov. 7, 1975	4	2,827
			1975	Field survey	Feb. 2 ~ Mar. 31, 1976	11	23,634
			1976	Field survey	Aug. 10 ~ 24, 1976	5	} 80,927
			1976	Field survey	Nov. 15 ~ 23, 1976	5	
Cumulative total					107,388		
15	Work plan and Design Survey for Bangkok Metropolitan Telephone Network Maintenance and Extension Project	(1) Detailed design for relay cable The detailed design survey was completed for relay lines in the Metropolitan Telephone Network Maintenance and Development Project, and a report was prepared.	1972	Detailed design (Survey)	Apr. 23 ~ Oct. 11, 1972	13	} 50,718
			1972	Explanation of reports	Dec. 5 ~ 19, 1972	2	
			Cumulative total				
		(2) Detailed design for city telephone line network Serving about three million people in the Bangkok metropolitan area, the telephone network was to be improved through a large-scale facility development project as part of the national five-year project from 1972 to 1976. The proposed development project was to increase the number of telephone stations from 21 to 40, and the number of terminals from 160,000	1973	Detailed design (Survey)	Dec. 13 ~ 21, 1973	4	} 24,984
			1973	Detailed design (Survey)	Feb. 11 ~ Mar. 31, 1974	12	
			1974	Detailed design (Survey)	Apr. 1 ~ Aug. 16, 1974	(12)	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		to 300,000. The detailed design for the city line network was completed for telephone stations in five major cities (Krungkasem, Ploenehit, Thungmahamek, Trokchan and Pathumwan). The field survey continued to fiscal year 1974, the detailed design was completed based on the survey results, and a report was submitted to end the survey.	1974	Detailed design (Survey)	Jun. 27 ~ Jul. 16, 1974	5	} 99,979
			1974	Explanation of reports	Nov. 13 ~ 23, 1974	3	
				Cumulative total			
		(3) Detailed design of five newly established city line networks and a relay line network for the third Telephone Network Development Project (a high-priority project of the fourth National Economic Development Project) undertaken by the Thai Telephone Agency, the Thai government requested that the Japanese government provide cooperation in the detailed design of a Bangkok city telephone network. In response to the request, the Japanese government conducted a field survey on the work plan and line network design for five newly established telephone stations, and a feasibility study on the long-distance toll line construction project in fiscal year 1979. The detailed design report was prepared in fiscal year 1980, along with various other design charts. In fiscal year 1979, the Japanese government prepared a planning report and various planning charts to explain the project to the Thai officials involved.	1976	Detailed design (Survey)	Feb. 9 ~ Mar. 31, 1977	11	34,088
			1977	Detailed design (Survey)	May 10 ~ 19, 1977	4	33,103
			1977	Detailed design (Survey)	May 16, 1977 ~ Mar. 29, 1978	25	193,577
			1978	Detailed design (Survey)	Aug. 21, 1978 ~ Feb. 20, 1979	14	114,161
			1979	Detailed design (Survey)	Oct. 24, 1979 ~ Mar. 21, 1980	11	121,099
			1980	Detailed design (Survey)	Jul 21 ~ 30, 1980	3	38,985
				Cumulative total			
16	Survey on Metropolitan Loop Highway Project	Feasibility study on the Loop Highway Construction Project to ease traffic in the greater Bangkok metropolitan area between Bangkok and Thonburi.	1972	Field survey	Jul 20 ~ Nov. 17, 1972	16	} 31,417
			1972	Explanation of reports	Dec. 20 ~ 28, 1972	5	
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
17	Survey on Bangkok Dock Construction Project	Feasibility study on the new construction project of dock facilities for large vessels (A construction site located at the western mouth of the Chao Phraya river was recommended.)	1972	Field survey	Jul. 25 ~ Sep. 22, 1972	2	5,605
			Cumulative total				
18	Survey on Sea-berth Construction Project	A feasibility study was planned on oil refining base construction (including sea-berth facilities at Si Racha), but the Thai side only allowed a basic survey on measurement. The feasibility study was conducted in 1973.	1972	Field survey	Sep. 24 ~ Oct. 25, 1972	6	15,668
			1973	Field survey	Jan. 17 ~ Feb. 13, 1974	9	5,958
			1974	Explanation of reports	Aug. 28 ~ Sep. 5, 1974	3	4,419
			Cumulative total				
19	Survey on Bangkok Metropolitan Waterworks Facility Construction Project	(1) Survey on Waterworks Extension Project in Five Districts A feasibility report was prepared on the waterworks facility construction project being undertaken in five administrative districts of the metropolitan area.	1972	Field survey	Mar. 21 ~ Apr. 20, 1973	8	9,633
			1973	Explanation of reports	Mar. 10 ~ 16, 1974	3	18,750
			Cumulative total				
		(2) Survey on Waterworks Extension Project for four other districts.	1976	Field survey	Jan. 23 ~ Mar. 28, 1977	12	48,600
			1976	Explanation of reports	Mar. 13 ~ 28, 1977	3	
			1977	Field survey	Oct. 6 ~ Nov. 14, 1977	6	29,936
			1978	Explanation of reports	May 30 ~ Jun. 7, 1978	7	65,333
Cumulative total					143,869		
20	Survey on pollution levels of the Tha Chin and Meklong rivers	The massive pollution of the Meklong river by sugar refinery waste materials in May of 1973 drew the nation's attention to the major problems posed by environmental pollution. Consequently, the government was forced to take countermeasures. The government targeted eleven districts and	1974	Preliminary survey	Jun. 23 ~ Jul. 6, 1974	6	2,431
			1975	Preliminary survey		0	240

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		requested that the Japanese government provide cooperation in this matter. The Japanese government conducted a field survey to understand the actual conditions in Thailand and available information in 1974. Based on the results of this survey, a report was prepared in fiscal year 1975.	Cumulative total				2,671
21	Survey on Irrigation Agriculture Development Project in West Coast District of Chao Phraya	The Thai government undertook a total agricultural development project for the west coast area of downstream Chao Phraya (extending 12,300 ha across the central plains of Thailand). The project included plans for improving the agricultural infrastructure, expanding agricultural activities, and developing related operations (such as agricultural organizations). The Thai government requested that the Japanese government conduct a technical and economic feasibility study. After receiving this request, the Japanese government conducted a feasibility survey on the hydrology, irrigation, soil, methods of farming, and most economic locations after conducting a preliminary survey in fiscal year 1976. In fiscal year 1977, Japan conducted a supplemental survey on the dry land conditions during the dry season in the planned area, submitted a final draft report, then submitted a final report.	1976	Preliminary survey	Oct. 18, 1976 ~ Feb. 12, 1977	21	37,209
			1977	Field survey	Apr. 10 ~ 17, 1977	4	48,989
			Cumulative total				86,198
22	Survey on Pathaya Region Foundation Improvement Project	Tourism plays an important role in Thailand's economic and social development, and is Thailand's third major source of foreign currency, following rubber and rice. The Thai government has showed keen interest in the development of tourism, and requested that the Japanese government conduct a survey on a basic plan for rational development and a follow-up foundation improvement plan for Pathaya region (about 150 kilometers east to Bangkok), an attractive recreational area near the capital. The Japanese government conducted a field survey on main project selection based on the preliminary survey conducted in fiscal year 1976, then prepared a progress report. It also conducted a feasibility survey on the two or three most urgently needed sub-projects, then submitted an interim report in fiscal year 1977.	1976	Preliminary survey	Oct. 21 ~ Nov. 3, 1976	6	59,301
			1976	Field survey	Jan. 30 ~ Mar. 17, 1977	20	
			1977	Field survey	Aug. 10 ~ Sep. 8, 1977	4	7,782
			1977	Explanation of reports	Aug. 18 ~ 27, 1977	6+(1)	95,385
			1977	Field survey	Dec. 19, 1977 ~ Feb. 11, 1978	16	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1978	Field survey		0	51,545
			1978	Field survey	May. 10 ~ Nov. 7, 1978	27	121,512
			Cumulative total				335,525
23	Survey on Occupational Training Center Construction Project	The Thai government who planned to establish a center for developing job skills at Khon Kaen, a central city in northeast Thailand, as part of its fourth Five-year Development Project. Consequently, Thailand requested that the Japanese government provide the necessary cooperation. According to the request, the Japanese government completed the basic design for constructing the center in fiscal year 1976, then confirmed the basic design and held discussions with Thai officials on the needed machinery and equipment and their layout.	1976	Special	Jan. 24 ~ Feb. 8, 1977	10	28,597
			1977	Special	Jul. 13 ~ 22, 1977	5	8,397
			Cumulative total				36,994
24	Survey on Kasatsart University Facilities Improvement Project	The Thai government planned to improve and expand the facilities at the Bang Khen and Kamphaeng Saen campuses of Kasatsart University, and requested that the Japanese government provide grant aid and technical cooperation for the facilities, equipment and machine parts, as well as the training of engineers needed for the planned improvement and expansion. The Japanese government also conducted a preliminary survey to understand the details of the project, confirm the contents of the request, and collect the information needed to determine the feasibility and scope of this cooperation, and the items to be supplied. Japan decided to continue the survey on the basic planning for the entire research center.	1977	Special (Preliminary)	Jul. 17 ~ 31, 1977	7	} 40,576
			1977	Special	Oct. 17 ~ 31, 1977	11	
			1978	Special		0	304
			1978	Special	Nov. 7 ~ 18, 1978	7	} 26,953
			1978	Special (Report)	Mar. 1 ~ 6, 1979	3	
			1979	Special		0	65
			Cumulative total				67,898

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
25	Survey on Master Plan for Meklong River Basin	To resolve the problems posed by no increase in rice production in limited rice paddy areas, and no increases in rice production per ha, the Thai government planned to make more effective use of existing main waterways and to promote agricultural development, mainly by improving the rice paddy areas. Thus, the Thai government requested that the Japanese government provide cooperation in planning for the Comprehensive Agricultural Development Project to be undertaken in the Meklong River Basin. In response to this request, Japan conducted a preliminary survey in fiscal year 1977, followed by a field survey on water and land utilization, and agricultural conditions during the dry season. The general concept of the Comprehensive Agricultural Development Project for the Meklong River Basin was clarified after a field survey was conducted during the rainy season in October of 1978.	1977	Preliminary survey	Jul. 18 ~ Sep. 2, 1977	12	21,404
			1977	Field survey	Dec. 13, 1977 ~ Mar. 25, 1978	17	85,058
			1978	Preliminary survey	(Cost for preparing reports)	0	110
			1978	Field survey	(Cost for preparing reports)	0	79
			1978	Field survey	Jul. 12, 1978 ~ Feb. 28, 1979	22	147,062
			1979	Field survey	Aug. 6, 1979 ~ Feb. 9, 1980	17	92,971
			Cumulative total				346,684
26	Survey on Road Construction Project Between Phetchabun and Chai Badan	This survey was a feasibility study on a road construction project involving 150 km of road running from Chai Badan (in central Thailand) to Phetchabun. This road is mainly used to transport agricultural products from the fertile agricultural regions of central Thailand. The Japanese government conducted a field survey and completed work in Japan in fiscal year 1978, published progress, interim, draft and final reports at each stage of progress, then submitted the final report after explaining previous reports on-site and holding discussion with Thai officials.	1977	Preliminary survey	Feb. 6 ~ 26, 1978	5	3,327
			1978	Field survey	Jul. 17 ~ Oct. 15, 1978	13	105,415
			1978	Explanation of reports	Jan. 24 ~ 30, 1979	4	
			Cumulative total				108,742
27	Survey on Metropolitan Urban Traffic Project	The growing population of Bangkok is causing serious urban traffic problems which appear to get worse every year. After consideration was given to the traffic network plan suggested by West Germany, this project sought to improve the mass public transit network by the year 2000. The project included extending the mass-transit system from the Bangkok metropolitan area to the surrounding suburbs, extending the network of highways, and improving computer transportation	1978	Preliminary survey	Jul. 12 ~ 26, 1978	5	3,044
			1978	Field survey	Nov. 12 ~ Dec. 30, 1978	11	72,804
			1979	Explanation of reports	Jan. 27 ~ Jul. 4, 1979	0	14,530

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		via railway and bus by using existing railway and road facilities. After a preliminary survey was conducted in fiscal year 1978, the Japanese government held discussions with Thai officials on how to conduct the on-site survey. Japan completed a comprehensive master plan in fiscal year 1979, then prepared a final report.	Cumulative total				90,378
28	Survey on Agricultural Irrigation Kamphaeng Saen, Meklong River Basin	The Thai government requested that the Japanese government provide the necessary cooperation for the Agricultural Irrigation Development Project to be undertaken in the Kamphaeng Saen region (30,00 ha) as part of the most urgently needed plan for the Comprehensive Agricultural Development project in the Meklong River Basin. In response to this request, the Japanese government conducted a survey during the dry season in December of 1978 on the use of waterways, land conditions, and farming situation as required by the agricultural development project. The survey results were reported in an interim report presented to the Thai government. After the survey conducted in 1979, Japan prepared a feasibility study report.	1978	Field survey	Dec. 5, 1978 ~ Mar. 18, 1979	13	38,095
			1979	Field survey	Jun. 18 ~ Jul. 21, 1979	7	} 56,613
			1979	Field survey	Sep. 24. ~ 29, 1979	3	
			Cumulative total				
29	Survey on Metropolitan Truck Terminal Construction Project.	About 90% of all imported materials are unloaded at Bangkok port for transport over roads in the metropolitan area. Thus, the problems posed by heavy traffic in the metropolitan area adversely affected the transport of imported cargo, not only in Bangkok, but throughout the entire country. Therefore, the Thai government planned to provide an effective mode of cargo transportation by establishing a truck terminal within the Bangkok metropolitan area. In fiscal year 1978, the Japanese government was notified of Thailand's intention, and conducted a preliminary survey before the on-site survey, and held discussions about how to conduct the on-site survey. In fiscal year 1979, Japan conducted the on-site survey and prepared a final report.	1978	Preliminary survey	Jan. 22 ~ Feb. 3, 1979	5	2,391
			1979	Field survey	Aug. 26 ~ Oct. 1, 1979	10	} 80,669
			1979	Explanation of reports	Feb. 7 ~ 15, 1980	5	
			1980			0	109
			Cumulative total				



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
	Survey on Mae Wang Agricultural Irrigation Development Project	In its fourth five-year Development Project, the Thai government gave top priority to agricultural development, especially development in undeveloped northern Thailand to stabilize the regional economy. As a part of this project, the Thai government planned to develop agricultural irrigation at both ends of the Mae Wang river near Lang Pan in northern Thailand over an area of about 17,300 ha. In response to this request, the Japanese government conducted a preliminary survey in February of 1979 (before conducting a feasibility study) to examine the policy, scope, items and method of conducting the on-site survey, and to collect information acquired by the on-site survey, as well as related information. In 1979, Japan conducted the feasibility study and prepared a final report.	1978	Preliminary survey	Feb. 22 ~ Mar. 14, 1979	5	3,424	
			1979	Preliminary survey	(Report Preparation Cost)	0	941	
			1979	Field survey	Jul. 15 ~ Oct. 13, 1979	17	} 111,127	
			1979	Field survey	Feb. 26 ~ Mar. 4, 1980	3		
			Cumulative total					115,492

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
31	Survey on Bangkok Sewage and Urban Waste Disposal Improvement Project	(1) Because Bangkok is situated on a very flat plain area of the Chao Phraya river basin (one meter above sea level), it faces the problems posed by inadequate drainage. In view of recent increases in the population and industrial development, drainage and the disposal of sewage/urban waste has become a very serious urban problem. By establishing the Drainage and Sewage Agency, the municipal government tried to promote projects designed to solve the problem. However, the drainage and sewage master plan developed in consultation with U.S. experts had not been carried out, especially in the field of sewage disposal, due to the large investment required. Without existing or planned countermeasures to be taken against the growing problem of urban waste disposal, various policies were instituted, which inhibited smooth and effective project implementation. In fiscal year 1978, a preliminary survey was conducted to understand the concept of the Thai plan, and to hold discussions on the onsite survey and survey policy. In fiscal year 1979, a basic survey was conducted for the master plan.	1978	Preliminary survey	Feb. 28 ~ Mar. 7, 1979	3	997
			1979	Field survey		0	182
			1979	Field survey	Aug. 16, 1979 ~ Feb. 29, 1980	9	67,010
			1979	Field survey	Nov. 18 ~ 27, 1979	5	
			1979	Field survey	Jan. 19 ~ Feb. 29, 1980	3	
			1979	Field survey	Feb. 11 ~ 20, 1980	4	
			1980	Field survey		0	971
			Cumulative Total				69,160
		(2) Survey on Bangkok Sewage Improvement Project. A master plan for the Bangkok Sewage Improvement Project (to be completed by the year 2000) was selected and a feasibility study was made on the most urgently needed sewage disposal facilities. In fiscal year 1980, a progress report and an interim report were prepared. In fiscal year 1981, a draft of the final report on the master plan was explained, discussions were held, then the final report was submitted. The feasibility study covered the scope of work conference, field survey, and analysis work done in Japan.	1980	Field survey	Jul. 20 ~ Oct. 17, 1980	14	156,116
			1980	Field survey	Oct. 9 ~ 24, 1980	2	
			1980	Field survey	Jan. 21 ~ 29, 1981	6	
			1981	Field survey	May 18 ~ Nov. 4, 1981	20	155,954
			1981	Field survey	Feb. 22 ~ Mar. 3, 1982	7	
			1982	Work plan survey	Jun. 7 ~ 16, 1982	6	50,471
Cumulative Total					362,541		

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)			
		(3) Survey on Bangkok Urban Waste Disposal Improvement Project Due to the insufficient waste disposal capacity in Bangkok for treating the growing volume of waste being generated in the increasingly urbanized capital, the problems of odor and water pollution must be resolved. Therefore, a survey had to be conducted to determine long and short-term plans for establishing an urban waste disposal system in Bangkok. In fiscal year 1980, the Japanese government collected and analyzed the basic data needed for such long and short-term planning, then and developed a basic concept of a disposal system. Based on the basic survey results, a field survey was conducted in fiscal year 1981.	1980	Field survey	May 7 ~ 15, 1980	3	124,293			
			1980	Field survey	Jun. 10, 1980 ~ Jan. 31, 1981	24				
			1980	Field survey	Feb. 1 ~ Mar. 31, 1981	4				
			1980	Field survey	Feb. 17 ~ Apr. 20, 1981	3				
						1981	Field survey	(Preparation on report)		2,285
						1981	Field survey	May 18 ~ Dec. 23, 1981	31	228,013
						1981	Field survey	Jan. 23 ~ Mar. 20, 1982	2	
						1982	Field survey	Apr. 19 ~ Aug. 31, 1982	10	101,899
						Cumulative Total				456,490
32	Survey on AIT Library Construction Project	The Asian Institute of Technology is an institute of higher learning established by special legislation enacted by the Thai government. After being opened in November of 1967, various facilities were added, and the Thai government requested that the Japanese government requested that the Japanese government provide cooperation in the basic planning to construct a library. In Japanese government, therefore, prepared a report on the basic design of this library after conducting a field survey.	1978	Special	May 28 ~ Jun. 8, 1978	6	31,480			
			1978	Special (report)	Aug. 20 ~ 26, 1978	3				
				Cumulative Total					31,480	
33	Survey on Project for Constructing a Long-Distance Toll Telephone Network	As a part of the third Telephone Network Extension Project (1977 to 1984), a plan was developed to provide the local area with long-distance telephone services. Thus, the Japanese government held scope of work discussions and conducted a field survey based on a feasibility study made on an optimum transmission system for a toll line	1978	Field survey	Aug. 10, 1978 ~ Jan. 10, 1979	6	75,078			
			1978	Field survey	Dec. 11 ~ 24, 1978	2				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		network covering 422 districts throughout the country and including 47 mobile stations.	Cumulative Total				75,078
34	Survey on Road Construction Project Between Nong Bua and Bangrum Chi Bon	The Thai government gave top priority to improving the network of local roads, which is directly related to local economic development, and to improving trunk roads. The 130-km road covered by this project is a local road from Nombush (in Mekong Sawang Province in northwest Thailand) to Bangrum Chi Bon (in Chaiyaphum Province of northeast Thailand) via the Phetchabun Province.	1979	Field survey	Jun. 10 ~ Sep. 22, 1979	12	104,520
			1979	Explanation of reports	Jan. 10 ~ 16, 1980	4	
			Cumulative Total				
35	Survey on Project for Youth Welfare Center	As a part of a welfare plan created to cope with the growing population, the Thai government planned to establish a Youth Welfare Center, and requested that the Japanese government provided cooperation through a grant aid for funding construction. In response to this request, the Japanese government held discussions with Thai officials and prepared a basic design report that included the basic concept of the plan.	1979	Special	Jun. 10 ~ 24, 1979	8	35,7769
			1979	Special	Aug. 13 ~ 19, 1979	3	
			Cumulative Total				
36	Survey on Pechaburi Agricultural Irrigation Development Project	This project involved about 60,000 ha of land near Pechaburi (Pechaburi Province), located about 150 kilometers southeast of Bangkok. The main purpose of this project was to improve the conditions of land used to grow crops. After the preliminary survey conducted in 1979 and the first field survey conducted in 1980, the Japanese government conducted a second field survey in fiscal year 1971, then prepared the final report in March of 1982.	1979	Preliminary survey	Nov. 14 ~ Dec. 1, 1979	5	3,463
			1980	Preliminary survey		0	4,433
			1980	Field survey	Jul. 9 ~ 18, 1980	3	106,878
			1980	Field survey	Sep. 8, 1980 ~ Apr. 30, 1981	1	
			1980	Field survey	Nov. 19 ~ Dec. 10, 1980	8	
			1980	Field survey	Dec. 1, 1980 ~ Jan. 31, 1981	5	
			1981	Field survey	Jun. 1 ~ Aug. 11, 1981	14	90,211
			1981	Field survey	Jan. 20 ~ 26, 1982	5	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1982	Field survey	(Preparation of report)	0	307
			Cumulative Total				205,292
37	Survey on Project to Support Agricultural Cooperatives	The Thai government regarded the support of farmer associations as the most important way to increase agricultural productivity and stabilize farmer income levels. Therefore, the Thai government requested that the Japanese government provide technical and economic cooperation for the management and control of farmer associations. In response to this request, the Japanese government dispatched a preliminary survey team in November of 1979 and a SW discussion team in March of 1980. In July of 1980, Japan sent field survey team to determine the basic concept of the project to support farmer associations, followed by a team that explained the reports to Thai officials, held discussions with the related administrative organizations, and prepared a report. In fiscal year 1971, Japan determined separate plans to promote each agricultural cooperation according to the basic project to promote Agricultural Cooperatives (in the previous year).	1979	Preliminary survey	Nov. 19 ~ Dec. 8, 1979	8	10,128
			1979	Field survey	Mar. 27 ~ Apr. 16, 1980	4	2,299
			1980	Preliminary survey		0	811
			1980	Field survey	Jul. 11 ~ Aug. 31, 1980	3	47,981
			1980	Field survey	Aug. 25 ~ 31, 1980	3	
			1980	Field survey	Sep. 17 ~ 26, 1980	3	
			1980	Field survey	Jan. 25 ~ 30, 1981	5	
			1981	Field survey	Jul. 12 ~ 17, 1981	5	66,656
			1981	Field survey	Jul. 29 ~ Sep. 25, 1981	6	
			1981	Field survey	Sep. 15 ~ 22, 1981	3	
			1981	Field survey	Jan. 10 ~ 15, 1982	7	
			1982	Field survey	(Preparation of reports)	0	60
			Cumulative Total				127,935

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
38	Survey on Water Supply Project for Cambodian Refugee Center	The infusion of 500,000 to 700,000 Cambodian refugees fleeing the ongoing war between Cambodian resistance groups and Vietnam has created problems for the Thai government involving the needed construction of a refugee center, and providing food, medical care, and water supplies. Therefore, the Thai government requested assistance from foreign governments and international organizations. In response to this request, the Japanese government dispatched a survey team that determined the need. An on-site survey was conducted at Takeo and Mirout to secure available sources of water.	1979	Special	Dec. 9, 1979 ~ Apr. 19, 1980	23	101,565
			1980	Special	Apr. 20 ~ Sep. 30, 1980	9	} 70,416
			1980	Special	Mar. 18 ~ 28, 1981	4	
			1981	Special	Jun. 7 ~ Aug. 27, 1981	15	90,713
			Cumulative Total				262,694
39	Survey on Maha Rat Hospital Construction Project	This project involved the closing of an existing hospital in Nakhon Sri Thammarat (a central city in southern Thailand) and the building of a local base 1,000-bed hospital on the same grounds. The new hospital will serve as a base of medical treatment for neighbouring countries, provincial hospitals, and local hospitals, and will also be used as a training facility for medical care professionals. The Thai government requested that the Japanese government provide grant aid to establish the hospital and provide the necessary medical equipment. In response to this request, the Japanese government conducted a field survey after conducting a preliminary survey, then prepared a basic planning report in fiscal year 1979.	1979	Special	Aug. 14 ~ 28, 1979	4	} 39,208
			1979	Special	Dec. 2 ~ 22, 1979	8	
			1979	Special	Feb. 12 ~ 21, 1980	4	
			Cumulative Total				39,208
40	Survey on Basic Planning for Songkhla Coastal Cultivation Center	To promote the development of coastal cultivation activities, the Thai government requested that the Japanese government provide grant aid and technical cooperation to establish the Songkhla Coastal Cultivation Center, provide the necessary facilities and equipment, dispatch technical advisers, and accept trainees. The Japanese government understood the role and functions of the center after holding discussions with Thai officials, conducting an on-site survey, and collecting information needed to estimate the budget and determine the basic planning.	1979	Special	Sep. 24 ~ Oct. 14, 1979	6	12,201
			Cumulative Total				12,201

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
41	Survey on Road Network Improvement Project for Northern Districts	The survey included the development of a master plan to improve a network of roads in conjunction with local development plans and development potential, and a feasibility study on the high-priority improvement of roads. The survey was conducted to determine the best ways to achieve local development and increased income levels for the local residents, and to improve the road traffic conditions in the northern districts of Thailand. The Japanese government made a master plan on ways to improve the network of roads (national roads, provincial roads, and major local roads) in 17 northern provinces, and selected 16 top-priority roads (approx. 410 km) for improvements in fiscal year 1980. In fiscal year 1981, Japan developed a master plan and began a field survey on 20 selected roads to be subjected to a feasibility study.	1980	Field survey	Jun. 26, 1980 ~ Mar. 7, 1981	11	174,460
			1980	Field survey	Aug. 17 ~ 30, 1980	5	
			1981	Field survey	May 24 ~ Dec. 21, 1981	10	207,604
			1981	Field survey	Aug. 9 ~ Dec. 21, 1981	1	
			1981	Field survey	Sep. 13 ~ Dec. 21, 1981	3	
			1981	Field survey	Nov. 18 ~ 27, 1981	2	
			1982	Field survey	(Preparation of repts)	0	416
			Cumulative Total				
42	Survey on Eastern Water Resource Development Project	(1) Phase I This survey included a feasibility study on the Water Resource Development Project designed to supply water for industrial, urban and agricultural applications from two planned dams, and to prevent flooding. The Japanese government analyzed the field survey results of the previous year before preparing and submitting the final report in fiscal year 1981.	1980	Preliminary survey	Nov. 30 ~ Dec. 13, 1980	7	5,203
			1980	Field survey	Feb. 16 ~ Jun. 15, 1981	11	43,198
			1981	Field survey	May 28 ~ Jun. 4, 1981	3	66,347
			1981	Field survey	Jul. 22 ~ 31, 1981	7	
			1981	Field survey	Apr. 2 ~ Jun. 15, 1981	5	49,931
			1981	Field survey	Jul. 29 ~ Aug. 27, 1981	3	
			1981	Field survey	Nov. 4 ~ Dec. 20, 1981	13	
			1982	Field survey	(Preparation of reports)	0	498

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			Cumulative Total				165,177
		(2) Phase II A feasibility study was conducted on the Water Resource Development Project (involving waterworks, sewage, water for agricultural applications, and flood prevention) for the Tapuma and Luang dams to be constructed on the eastern banks of the river.	1981	Preliminary survey	Feb. 9 ~ 23, 1982	7	4,409
			1982	Field survey	Jul. 26 ~ Dec. 22, 1982	18	} 142,020
			1982	Field survey	Mar. 23 ~ 30, 1983	5	
			1983	Field survey	Jul. 7 ~ 17, 1983	5	37,834
			Cumulative Total				184,263
43	Survey on Bridge Construction Project Over Chao Phraya	Of the bridges that cross the Chao Phraya River that separates Bangkok city into east and west sections, the Rama V bridge is part of the metropolitan loop highway system, and is very important. A survey related to the feasibility study on reconstructing or extending the width of this bridge was conducted. In fiscal year 1981, the Japanese government conducted a field survey according to the results of the preliminary survey conducted in fiscal year 1980. It also prepared a report in the same year.	1980	Preliminary survey	Mar. 4 ~ 18, 1981	4	2,664
			1981	Preliminary survey	(Preparation of reports)	0	380
			1981	Field survey	Jun. 7 ~ Dec. 6, 1981	22	120,684
			1982	Field survey	(Preparation of reports)	0	296
			Cumulative Total				124,024
44	Survey on Passak Basin Agricultural Irrigation Development Project	(1) Survey on Passak Basin Agricultural Irrigation Development Project The Thai government planned the Passak Basin Agricultural Irrigation Development Project to cover about 15,700 square kilometers, (using a river 315 km long), and requested that the Japanese government conduct a feasibility study on this project. In response to this request, the Japanese government conducted a preliminary survey in January of 1981 that confirmed the potential of increased agricultural productivity through irrigation using small-to-medium sized dams constructed in many tributary	1980	Preliminary survey	Jan. 27 ~ Feb. 18, 1981	6	7,530
			1981	Field survey	Apr. 20 ~ 24, 1981	2	1,060
			Cumulative Total				8,590



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		streams in the hills upstream from Passak, and through irrigation using pumped water in the downstream Kenkoi, Ban Mo district. About 25,000 ha of land could be irrigated by the project.					
		(2) Survey on Medium-scale Irrigation Project Upperstream on the Passak River The Passak River flows through central Thailand, and has a basin area 15,700 square kilometers. Due to the various geological factors that affect the flow of the river, flooding and water shortages frequently occur. In fiscal year 1981, the Japanese government conducted a pre-feasibility study at four points on the tributary streams of the Passak River. A dam was then constructed at a selected site to ensure the supply of irrigation water to downstream areas, and to improve waterway facilities.	1981	Field survey	Aug. 31 ~ Oct. 29, 1981	3	44,116
	1981		Field survey	Sep. 15 ~ Oct. 29, 1981	5		
	1981		Field survey	Oct. 20 ~ 29, 1981	1		
	1981		Field survey	Jan. 28 ~ Feb. 3, 1982	5		
			Cumulative Total				
		(3) Survey on Pumped Irrigation Project at Kenkoi and Ban Mo This is one of two plans developed for the Passak River Basin Agricultural Irrigation Development Project undertaken from January of 1981. This plan to provide pumped irrigation for downstream areas of the Passak River would serve the Kenkoi and Ban Mo districts (covering 25,000 square hectares). The Japanese government conducted a field survey in fiscal year 1981 and prepared the final report at the end of January, 1982.	1981	Field survey	Jul. ~ Aug. 31, 1981	7	96,370
	1981		Field survey	Jul. 15 ~ Aug. 31, 1981	7		
	1981		Field survey	Aug. 26 ~ Sep. 3, 1981	4		
	1981		Field survey	Oct. 25 ~ Nov. 4, 1981	7		
			Cumulative Total				
45	Survey on Meiku Wang Agricultural Irrigation Development Project	The Meiku Wang Agricultural Irrigation Development Project began in fiscal year 1976 was directly supervised by the Thai government. In recent years, however, there have been discrepancies between the estimated and actual area served by irrigation. Therefore, the Thai government requested that the Japanese government continue	1980	Preliminary survey	Dec. 3 ~ 20, 1980	7	5,536
			1980	Field survey	Feb. 15 ~ Mar. 31, 1981	14	26,499

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		the agricultural irrigation development project to complete the previous project. In response to this request, the Japanese government conducted a preliminary survey in December of 1980 on the agricultural irrigation development project in the Meiku Wang River basin (about 25,600 ha near Chiang Mai in northern Thailand), followed by a field survey conducted by a feasibility study team dispatched in February of 1981. The second field survey was conducted in fiscal year 1981, and the final report was prepared in February of 1982.	1981	Field survey	(Report preparation cost)		390
			1981	Field survey	(Equipment and materials cost & transportation charge)		41,123
			1981	Field survey	Jun. 1 ~ Aug. 19, 1981	21	} 119,408
			1981	Field survey	Dec. 10 ~ 17, 1981	5	
			1982	Field survey	(Preparation of reports)	0	485
			Cumulative Total				193,441
46	Survey on Basic Design for Small-scale Dam Construction	This survey determined the basic design of a small-scale dam that would supply water to the Khao Yoi refugee camp and provide water for irrigation. In fiscal year 1980, the Japanese government collected the necessary data about hydrology did analysis work, and conducted a geological survey on the required water supply.	1980	Special	Sep. 11 ~ Oct. 15, 1980	8	39,231
			Cumulative Total				39,231
47	Survey on Basic Design for Maha Sararham Nursing School Construction Project	To improve and support health and medical services for local residents, a survey was conducted on the basic design of the Maha Sararham Nursing School Construction Project.	1980	Special	Oct. 27 ~ Nov. 16, 1980	7	35,147
			Cumulative Total				35,147
48	Survey on Basic Design for Bang Saen Ocean Science Center Construction Project	A survey conducted on the basic design and the design of the Ocean Science Center of Sheenakalinwinnert University was completed at Bang Saen University in Bang Saen.	1980	Special	Dec. 15 ~ 26, 1980	4	} 19,542
			1980	Special	Feb. 4 ~ 13, 1981	6	
			Cumulative Total				19,542

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
49	Survey on Economic and Technical Cooperation	To ensure effective Japanese economic and technical cooperation to Thailand, the R/D agreement was reviewed and problems were discussed.	1980	Preliminary survey	May 13 ~ 20, 1980	7	1,782
			Cumulative Total				1,782
50	Survey on Project for Long-term Supply of Water for Laotian Refugees	To provide water supply services for the Nakhon Phanom and Pak Chong camps that were suffering from water shortages, an underground water development survey was conducted to formulate a plan for development. In fiscal year 1981, a field survey was conducted at the Nakhon Phanom camp.	1981	Field survey	Feb. 4 ~ Mar. 16, 1982	7	11,293
			1982	Field survey	May 20 ~ Oct. 16, 1982	6	89,172
			Cumulative Total				100,465
51	Survey on Rama VI Bridge Repair Project	The Rama VI Bridge is located on an important route that connects Bangkok with southern Thailand. This bridge suffered from deteriorating and dangerous conditions involving excessive vibration, thus requiring urgent repair. The survey for this repair project included close inspection of the bridge's infrastructure and design, and how to reinforce the bridge through construction repair, in addition to estimating the cost and collecting data. Following the preliminary survey and S/W discussion, a field survey was conducted and the infrastructure was precisely measured in fiscal year 1981.	1981	Field survey	Jan. 26 ~ Feb. 4, 1982	4	37,530
			1981	Field survey	Jan. 31 ~ Mar. 30, 1982	5	
			1981	Field survey	Mar. 1 ~ 30, 1982	6	
			1981	Field survey	Mar. 21 ~ 30, 1982	4	
			1982	Field survey	Jul. 11 ~ 17, 1982	6	50,030
			1982	Field survey	Oct. 17 ~ 26, 1982	4	
			Cumulative Total				87,560
52	Survey on Northeast Road Network Improvement Project	The development of northeast Thailand was an essential and urgent matter in term of economic and social considerations. The Thai government, therefore, sought to develop the area by first improving local roads. The Japanese government prepared a master plan for repairing existing roads and building new roads, and conducted a feasibility study on roads requiring immediate repair. Japan conducted a preliminary survey, and completed preparatory work in Japan for the field survey in fiscal year 1981.	1981	Preliminary survey	Nov. 18 ~ 29, 1981	5	2,722
			1981	Field survey	Mar. 29 ~ Dec. 23, 1982	7	13,445
			1982	Field survey	May 10 ~ 19, 1982	2	208,388
			1982	Field survey	May 28 ~ Dec. 23, 1982	15	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1982	Field survey	Feb. 3 ~ 15, 1983	5	224,555
			Cumulative Total				
53	Survey on East Coast Pipe Line Construction Project	The Japanese government conducted a field survey to complete the detailed design and prepare reports on the city and industrial water pipeline to be constructed from Dogridom to Mabutabutto based on the feasibility study conducted on the Eastern Water Resource Development Project. The final report was to be completed by August of 1982.	1981	Preliminary survey	Sep. 16 ~ 25, 1981	4	1,994
			1981	Field survey	Nov. 18, 1981 ~ May. 1, 1982	20	86,765
			1981	Field survey	Dec. 10 ~ 20, 1981	2	
			1981	Field survey	Feb. 22 ~ 28, 1982	3	
			1981	Field survey	Apr. 6 ~ 16, 1982	3	
			1982	Field survey	Jul. 1 ~ 30, 1982	12	124,835
			Cumulative Total				213,594
54	Survey on East Coast Industrial Zone Development Project	The purposes of this survey were to select an appropriate industrial port, and study the land utilization plan as a part of the east coast industrial zone development project. Because this massive development project involved many considerations, the Japanese government reviewed available data, studied the feasibility of the selected industrial port location, and determined a policy for coastal zone improvement in fiscal year 1981 based on the preliminary survey results.	1981	Preliminary survey	Jan. 11 ~ 31, 1982	8	13,257
			1981	Preliminary survey	Mar. 15 ~ 20, 1982	3	
			1982	Preliminary survey	Jan. 25 ~ Feb. 5, 1983	4	2,540
			Cumulative Total				15,797
55	Survey on Bangkok Highway Construction Project	Urban congestion in Bangkok is greatly affected by road traffic, and the traffic in Bangkok poses a serious problem. As a part of the countermeasures taken against urban traffic problems, the Thai government initiated a highway construction project involving two phases. However, the increasing rate of urbanization after the planning was completed, and the development of related	1981	Preliminary survey	Feb. 24 ~ Mar. 9, 1982	5	2,963
			1982	Field survey	Jun. 6 ~ Dec. 15, 1982	19	126,213
			1982	Field survey	Jan. 24 ~ Apr. 30, 1983	9	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		projects forced basic changes to be made in the second phase as the first phase neared completion. Thus, the Japanese government evaluated the master plan in terms of the entire project for the proposed basic changes to the second phase. It also conducted a feasibility study on two routes: from Lat Yao to Bang Khlo and from Phaya Thai to Hus Mak.	1983	Field survey	Apr. 16 ~ May 30, 1983	4	} 131,063
			1983	Field survey	May 1 ~ Aug. 20, 1983	8	
				Cumulative Total			
56	Survey on North-east Thailand Agricultural Cooperation	To study the agricultural development policy in undeveloped northeast Thailand, the Japanese government dispatched a survey team in May and October of 1981 to hold discussions with Thai officials. The survey team dispatched in April of 1982 determined a framework of cooperation based on (1) improving the basic agricultural conditions, (2) providing measures to increase and diversify agricultural production, and (3) initiating extension activities.	1981	Preliminary survey	May 27 ~ Jun. 6, 1981	6	} 5,777
			1981	Preliminary survey	Nov. 16 ~ 25, 1981	5	
			1982	Preliminary survey	Apr. 20 ~ 28, 1982	9	4,722
				Cumulative Total			
57	Survey on Trade Training Center Construction Project	A survey was conducted on the basic design for a trade training center that would train people involved in international trade, upgrade the standards of export products and their quality, and publicize Thai export products.	1981	Special	Jan. 6 ~ 14, 1982	7	} 20,353
			1981	Special	Feb. 8 ~ 21, 1982	5	
			1982	Special	(Preparation of reports)		20
				Cumulative Total			
58	Survey on Fresh-water Fishery Center Construction Project	A survey was conducted on the basic design for constructing the Fresh-water Fishery Center, where research, fishery and training activities could be conducted to promote fresh-water fishery activities in southern Thailand.	1981	Special	Jan. 6 ~ 14, 1982	7	} 20,353
			1981	Special	Feb. 8 ~ 21, 1982	5	
			1981	Special	Feb. 9 ~ 18, 1982	2	1,178
			1982	Special	Apr. 10 ~ 30, 1982	7	21,939
				Cumulative Total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
59	Survey on Primary Health Care Training Center Construction Project	A basic design survey was conducted on the construction of an institute for training primary health care personnel to improve health services for the residents of agricultural villages.	1981	Special	Mar. 16 ~ 25, 1982	2	1,845
			1982	Special	May 23 ~ Jun. 19, 1982	7	} 26,174
			1982	Special	Sep. 26 ~ Oct. 2, 1982	3	
			Cumulative Total				
60	Survey on Project to Establish the Program Production Center for Sukhothai Thammachat Broadcasting University	A basic design survey was conducted on establishing a program production institute that would improve broadcasting education, provide the nation with an institute of higher learning, and offer special knowledge and skills to students.	1981	Special	Jan. 24 ~ Feb. 13, 1982	7	7,068
			1982	Special	May. 23 ~ 29, 1982	5	22,805
			Cumulative Total				
61	Survey on Project to Establish a Central Institute for Research and Training in Re-forestation	A basic design survey was conducted for establishing a central institute that would provide research and training in re-forestation techniques, and where afforestation skills could be developed and refined.	1981	Special	Jul. 19 ~ 28, 1981	1	} 30,151
			1981	Special	Oct. 27 ~ Nov. 14, 1981	7	
			1981	Special	Dec. 20 ~ 26, 1981	4	
			Cumulative Total				
62	Survey on Project to Establish a Job Skills Development Institute for Border Residents	A basic design survey was conducted to establish an institute to train Thai citizens (living near the Cambodian border) that were adversely affected by decreasing job opportunities due to the inflow of Cambodian refugees possessing occupational skills.	1981	Special	Nov. 1 ~ 15, 1981	4	14,314
			Cumulative Total				
63	Survey on Project to Eradicate Poverty	A basic design survey was conducted for introducing computers and designing a system that would help accomplish the project to eradicate poverty.	1982	Preliminary survey	May 11 ~ 18, 1982	4	1,869
			1982	Special	Aug. 30 ~ Oct. 8, 1982	7	} 23,019

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1982	Special	Dec. 5 ~ 11, 1982	5	24,888
			Cumulative Total				
64	Survey on Agricultural Development Research Project in Northeastern Thailand	Based on joint cooperation between Japan and the U.S., a plan was developed to provide project-type technical cooperation by dispatching experts and establishing a test and research institute for developing agricultural skills suited to the natural environment, social, and economic conditions of northeast Thailand. This survey was conducted for the related project. In fiscal year 1982, an on-site survey was conducted, an S/W agreement was signed, a field survey was completed, and a draft of the final report was prepared. The final report was completed and submitted to the Thai government in fiscal year 1983.	1982	Project formulation	Jul. 14 ~ 20, 1982	5	13,835
			1982	Project formulation	Sep. 9 ~ 18, 1982	5	
			1982	Project formulation	Nov. 15 ~ Dec. 19, 1982	4	
			1982	Project survey	Mar. 7 ~ 12, 1983	5	
			1983	Project survey	(Work done in Japan)		
				Cumulative Total			
65	Survey on the Project to Establish a Social Education and Cultural Center	A basic design survey was conducted for establishing a social education and cultural center to be opened to the citizens of Bangkok.	1982	Special	Sep. 12 ~ 19, 1982	4	7,363
			1982	Special	Jan. 25 ~ 29, 1983	5	
			1983	Special	Sep. 25 ~ Oct. 14, 1983	12	49,523
			1983	Special	Nov. 30 ~ Dec. 9, 1983	7	
			1983	Special	Feb. 5 ~ 11, 1984	5	
				Cumulative Total			
66	Survey on Project to Establish an Irrigation Skills Development Center	A basic design survey was conducted for establishing facilities where survey, research and extension activities involving irrigation skills could be systematically conducted.	1982	Special	Nov. 30 ~ Dec. 9, 1982	3	13,507
			1983	Special	Feb. 18 ~ Mar. 12, 1983	10	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1983	Special	Apr. 20 ~ 29, 1983	5	16,331
			Cumulative Total				29,838
67	Survey on Project to Improve the Living Environment of Frontier Residents	A basic design survey was conducted for establishing facilities to supply drinking water and water for irrigation for residents living in the frontier region near the Laotian border.	1982	Special	Nov. 24, 1982 ~ Jan. 22, 1983	9	43,360
			1983	Special			22
			Cumulative Total				43,382
68	Survey on Establishing a Rehabilitation Center for Workmen Disabled Due to Industrial Accidents	A basic design survey was conducted on establishing rehabilitation facilities for workmen disabled due to industrial accidents and supplying equipments.	1982	Special	Nov. 15 ~ 27, 1982	5	2,978
			1983	Special	May 23 ~ Jun. 15, 1983	8	21,260
			1983	Special	Aug. 16 ~ 25, 1983	4	
			Cumulative Total				24,238
69	Survey on East Industrial Port Development Project	The master plan design and short-term feasibility study were conducted on developing an industrial port along the coastal area of Mapataputto district in eastern Thailand.	1982	Preliminary survey	May 12 ~ 22, 1982	5	283,067
			1982	Field survey	Jul. 22, 1982 ~ Feb. 11, 1983	29	
			1982	Field survey	Mar. 27 ~ Jun. 15, 1983	9	
			1983	Field survey	Apr. 17 ~ Jun. 15, 1983	10	113,145
			1983	Field survey	Sep. 12 ~ 21, 1983	7	
			Cumulative Total				396,212



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
70	Survey on Dockyard Construction Project	A feasibility study was conducted on establishing a dockyard in the east coast area at Ramuchaban for repairing vessels up to the 200,000-ton class.	1982	Preliminary survey	Oct. 25 ~ Nov. 6, 1982	4	2,615
			1984	Field survey	Aug. 8 ~ Sep. 21, 1984	10	134,249
			1984	Field survey	Oct. 29 ~ Nov. 7, 1984	8	
			1984	Field survey	Mar. 11 ~ 17, 1985	6	
			1985	Field survey	(Work done in Japan)	0	9,977
				Cumulative Total			
71	Survey on Bangkok City Drainage Project	The Japanese government conducted an advance survey on the city drainage project covering Bangkok's eastern suburbs (extending some 500 square kilometers), after designing a master plan and conducting a feasibility study on this high-priority area. In fiscal year 1983, Japan formulated a master plan, and in fiscal year 1985, conducted a feasibility study on the first phase the comprehensive water control plan (for flood prevention and drainage) recommended by the master plan to prepare and submit a final report to the Thai government.	1982	Preliminary survey	Nov. 10 ~ 24, 1982	6	4,590
			1983	Field survey	May 16 ~ Aug. 28, 1983	21	166,658
			1983	Field survey	Sep. 15 ~ Nov. 25, 1983	7	
			1983	Field survey	Feb. 16 ~ 25, 1984	5	
			1984	Field survey	May 21 ~ Aug. 3, 1984	17	165,986
			1984	Field survey	Sep. 18 ~ Nov. 21, 1984	7	
			1984	Field survey	Feb. 3 ~ 15, 1985	7	
			1985	Field survey	Jun. 10 ~ Nov. 30, 1985	20	151,443
			1985	Field survey	Jan. 12 ~ 21, 1986	7	
				Cumulative Total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
72	Survey on Terminal Irrigation Project in Meklong District	A basic design survey was conducted on establishing a model terminal irrigation facility to facilitate water control testing and training.	1982	Special	Jun. 20 ~ Aug. 3, 1982	7	} 8,193
			1982	Special	Nov. 14 ~ 25, 1982	2	
			Cumulative Total				
73	Survey on Total Development of North Region of Southern Thailand	The survey included the design of a master plan for the Total Development Project in the north region (from Surat Thani to Phuket) of southern Thailand, and a feasibility study on this high-priority project. Based on the master plan adopted in fiscal year 1983, the Japanese government conducted a pre-feasibility study on this high-priority project, and prepared a final report submitted to the Thai government.	1982	Field survey	Apr. 25 ~ May 1, 1982	3	} 5,557
			1982	Field survey	Nov. 8 ~ 21, 1982	5	
			1982	Field survey	Apr. 10 ~ 15, 1983	1	
			1983	Field survey	Apr. 29 ~ Jul. 16, 1983	5	226,271
			1983	Field survey	May 10, 1983 ~ Mar. 31, 1984	30	
			1984	Field survey	Apr. 1 ~ Aug. 31, 1984	23	} 200,158
			1984	Field survey	Dec. 10 ~ 19, 1984	2	
			1984	Field survey	Jan. 13 ~ 30, 1985	12	431,986
			Cumulative Total				
74	Comprehensive Evaluation Survey		1982	Evaluation survey	Jul. 14 ~ 18, 1982	3	1,058
			Cumulative Total				1,058

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
75	Survey on Economic and Technical Cooperation	See the section on Asia in general for details.	1982	Preliminary survey	Jul. 11 ~ 14, 1982	5	1,300	
			Cumulative Total					1,300
76	Joint Japan-U.S. Research Project	An on-site survey team was dispatched to Thailand to set up a laboratory with the necessary facilities to promote agriculture in Khon Kaen (northeast Thailand). This team also held discussions with Thai and U.S. officials.	1982	Project formulation	Jul. 14 ~ 20, 1982	5	1,886	
			Cumulative Total					1,886
77	Survey on Project to Improve and Promote Coastal Marine Transport	Based on a request made by the Thai government, the Japanese government conducted a feasibility study on a project to improve and promote coastal marine transport. Because the transport systems in northern and southern Thailand greatly depend on roads and railways, the Japanese government examined the types of cargo that could be transported via ship, then prepared a feasibility report.	1982	Preliminary survey	Nov. 21 ~ Dec. 4, 1982	5	5,503	
			1982	Field survey	Feb. 13 ~ 19, 1983	4		
			1983	Field survey	Aug. 1 ~ Oct. 14, 1983	16	134,676	
			1983	Field survey	Feb. 13 ~ Mar. 3, 1984	10		
			1984	Field survey	Aug. 13 ~ 29, 1984	8		78,837
			Cumulative Total					
78	Survey on Elevated National Railway Project in Bangkok Metropolitan Area	The Japanese government conducted a feasibility study on a project to build a 10-km elevated railway system to help ease road traffic congestion. Considerations were also given to increasing transport capacity and modernizing the national railway system in the Bangkok metropolitan area.	1982	reliminary survey	Nov. 7 ~ 14, 1982	4	2,073	
			1983	Field survey	Jun. 8 ~ 17, 1983	5	55,624	
			1983	Field survey	Aug. 22 ~ Nov. 6, 1983	17		
			1983	Field survey	Jan. 26 ~ Feb. 3, 1984	6		
			1984	Field survey	Apr. 19 ~ 26, 1984	4	87,158	
			Cumulative Total					144,855

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
79	Project for Road Traffic Safety	Various approaches and technical standards (drafts) were suggested for the project on road traffic safety on national highways and major local roads. In fiscal year 1983, the Japanese government conducted a field survey to analyze past traffic accidents that have occurred on the object routes, and also conducted related testing. The survey team also recommended a safety plan for pedestrians crossing the Victoria Monument Rotary in Bangkok. In fiscal year 1984, the survey team presented a plan (draft) for traffic safety based on the survey results of fiscal year 1983, then submitted a final report with an economic evaluation to the Thai government.	1982	Preliminary survey	Dec. 5 ~ 15, 1982	4	} 4,114
			1982	Preliminary survey	Feb. 3 ~ 15, 1983	4	
			1983	Field survey	May 23 ~ Dec. 21, 1983	29	} 181,715
			1983	Field survey	Jan. 16 ~ Mar. 21, 1984	6	
			1984	Field survey	May 10 ~ Nov. 23, 1984	26	} 147,109
			1984	Field survey	Dec. 20 ~ 27, 1984	2	
			Cumulative Total				
80	Survey on Mechian Agricultural Irrigation Development Project	The Japanese government determined an irrigation agriculture development project to promote local agriculture by effectively using existing water resources. For this project, a new dam was to be constructed, and the main and branch canal facilities were to be repaired and improved to serve approximately 16,000 ha of agricultural land in the Muang Lampang area (about 650 km north of Bangkok).	1982	Preliminary survey	Oct. 20 ~ Nov. 6, 1982	6	} 70,570
			1982	Field survey	Jan. 30 ~ Mar. 27, 1983	15	
			1983	Field survey	Jun. 5 ~ Aug. 10, 1983	15	} 115,536
			1983	Field survey	Nov. 15 ~ 22, 1983	5	
			Cumulative Total				
81	Package Project for Medium-scale Irrigation in the South Part of Northeastern Thailand	The Japanese government designed an agricultural development project to supply irrigation water for medium-scale irrigation project groups (at 13 sites) in the two branching areas of the Mung River, which flows into the Mekong River. The area to be served covered 26,000 ha in northeast Thailand. Japan also provided assistance in selecting a method of conducting survey planning for this medium-scale irrigation project.	1982	Preliminary survey	Nov. 16 ~ Dec. 3, 1982	7	} 53,661
			1982	Field survey	Feb. 6 ~ Mar. 31, 1983	1	
			1982	Field survey	May 29 ~ Aug. 26, 1983	7	} 174,104
			1982	Field survey	Sep. 4 ~ Dec. 17, 1983	14	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1984	Field survey	May 14 ~ 22, 1984	5	12,701
			Cumulative Total				240,466
82	Ramuchiabang Coastal Area Development Project	The Japanese government prepared a master plan on the various basic facilities (i.e., harbor, industrial park, city water facilities) scheduled for the Ramuchiabang district along the east coast of Thailand. Japan also conducted a feasibility study on short-term projects.	1983	Preliminary survey	Aug. 29 ~ Sep. 7, 1983	5	76,550
			1983	Field survey	Jan. 18 ~ Mar. 24, 1984	20	
			1984	Field survey	Jul. 16 ~ Aug. 31, 1984	17	178,763
			1984	Field survey	Nov. 5 ~ 13, 1984	11	
			1984	Field survey	Mar. 20 ~ 25, 1985	4	
						Cumulative Total	
83	Project to build a Trunk Line Connecting Eastern and Northeastern Thailand	Although the Japanese government dispatched a preliminary survey team (contact mission) in August of 1983, the Thai government later cancelled the requested survey.	1983	Preliminary survey	Aug. 29 ~ Sep. 7, 1983	2	1,051
			Cumulative Total				
84	Northeast Road Network Improvement Project	The Japanese government conducted a feasibility study on high-priority routes recommended by a survey conducted on the road network improvement project (master plan survey) in 16 provinces in northeastern Thailand. A draft of the final report was prepared on 510 km of new and repaired road, and on 90 km of repaired road.	1983	Preliminary survey	Mar. 20 ~ 29, 1984	4	2,858
			1984	Field survey	Jul. 8, 1984 ~ Mar. 14, 1985	27	177,357
			1985	Field survey	(Work done in Japan)		15,437
			Cumulative Total				
85	Project to Construct a Water Pipeline between Nong Kho and Ramchiabang	A feasibility study was conducted on the plan to construct a water pipeline from Nong Kho dam to Ramchiabang (industrial zone along the eastern coast of Thailand) to supply drinking water and water for industrial use.	1983	Field survey	Aug. 24 ~ Nov. 30, 1983	13	75,218
			1983	Field survey	Jan. 3 ~ Mar. 7, 1984	5	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			Cumulative Total				75,218
86	Grain Storage Facility Improvement Project	To meet the basic needs of farmers and encourage increased production, the existing system of agricultural distribution had to be improved and reinforced to facilitate the distribution of agricultural products at fair market prices. To undertake this project, a feasibility study was conducted in fiscal year 1983, and the survey results were included in the final report on phase I of the project (submitted in 1984). In October of 1984, the survey was resumed for phase II of the project, and a final report based on decisions made by the Thai government was prepared in 1985.	1983	Preliminary survey	Dec. 14 ~ 24, 1983	4	} 31,095
			1983	Field survey	Feb. 15 ~ Mar. 31, 1984	9	
			1984	Field survey	Aug. 21 ~ 31, 1984	5	} 88,990
			1984	Field survey	Oct. 10 ~ Dec. 9, 1984	11	
			1984	Field survey	Mar. 18 ~ 23, 1985	4	
			1985	Field survey	(Work done in Japan)	0	2,854
			Cumulative Total				
87	Project to Establish an Agricultural Development and Research Center in Northeastern Thailand	A basic design survey was conducted on establishing an institute of agricultural development and research in northeastern Thailand, where one third of the entire population resides.	1983	Special	Jun. 8 ~ 16, 1983	2	} 24,087
			1983	Special	Aug. 7 ~ 27, 1983	7	
			1983	Special	Nov. 9 ~ 15, 1983	4	
			Cumulative Total				
88	Project to Establish a Center for Japanese Studies at Thammasat University	To provide greater opportunities for Thai and Asian people wishing to study about Japan, and to train researchers in this field, this center was planned, and the Japanese government conducted the basic design survey on its establishment.	1983	Special	Jul. 10 ~ 30, 1983	6	} 21,574
			1983	Special	Oct. 2 ~ 10, 1983	4	
			Cumulative Total				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
89	Project to Build a Lecture Hall at the King Mongkut Institute of Technology	A basic design survey was conducted on constructing a lecture hall at the King Mongkut's Institute of Technology.	1983	Special	Aug. 7 ~ 27, 1983	6	} 31,878
			1983	Special	Oct. 23 ~ Nov. 1, 1983	4	
			Cumulative Total				
90	Project to Establish a Public Health Research Center	The Japanese government conducted a basic design survey on establishing a special research institute in the field of public health.	1983	Special	Nov. 15 ~ Dec. 7, 1983	8	} 35,079
			1983	Special	Feb. 27 ~ Mar. 7, 1984	6	
			Cumulative Total				
91	Project to Establish the Rayong Ocean Culture Center	A basic design survey was conducted on establishing a research institute to develop culturing techniques for small-scale fisheries, and to train fishermen in preserving marine resources and develop modern fishery techniques.	1983	Special	Dec. 11 ~ 21, 1983	3	} 14,335
			1983	Special	Mar. 11 ~ 31, 1984	7	
			1984	Special	(Work done in Japan)		17,335
			Cumulative Total				
92	Survey on Economic and Technical Cooperation	See the section on the World in general for details.	1983	Preliminary survey	Jul. 2 ~ 5, 1983	(7)	(1,279)
			Cumulative Total				1,279
93	Survey on Economic and Technical Cooperation to ASEAN Countries	See the section on Asia in general for details.	1983	Preliminary survey	Oct. 30 ~ Nov. 12, 1983	(2)	(428)
			Cumulative Total				428
94	Total Evaluation Survey	An evaluation survey was conducted on project achievements, economic and social effects, project propriety, and the need to provide follow-up cooperation for the five projects (economic and technical cooperation projects in Thailand) listed	1983	Evaluation survey	Jan. 29 ~ Feb. 24, 1984	4	2,459
			Cumulative Total				2,459

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
		below whose terms of cooperation ended. <ul style="list-style-type: none"> <li>o Khorat sericulture development project</li> <li>o Khon Kaen Occupational Skill Development Institute project</li> <li>o Kasetsart University project</li> <li>o Small-scale irrigation project</li> <li>o New farm village development project</li> </ul>						
95	Project for Urgent Improvements of Waterworks Facilities in Northeastern Thailand	A feasibility study was conducted on the repair and improvement of local waterworks facilities in northeastern Thailand.	1984	Preliminary survey	Jul. 18 ~ 28, 1984	4	} 58,922	
			1984	Field survey	Oct. 28, 1984 ~ Jan. 13, 1985	10		
			1984	Field survey	Mar. 21 ~ 28, 1985	4		
			1985	Field survey	Jun. 10 ~ Sep. 7, 1985	11	} 78,120	
			1985	Field survey	Dec. 9 ~ 18, 1985	5		
						Total		
96	Project to Improve Harbor Dredging Team	A feasibility study was conducted on the repair project involving a dredging team and a construction plan in conjunction with the harbor development activities in southern Thailand.	1984	Preliminary survey	Jan. 28 ~ Feb. 8, 1985	5	} 120,983	
			1985	Field survey	Jun. 3 ~ Oct. 16, 1985	15		
			1985	Field survey	Dec. 17 ~ 26, 1985	7		
			1985	Field survey	Mar. 9 ~ 18, 1986	5		
			1986					11,238
						Total		



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
97	Metropolitan Road Improvement and Traffic Safety Project	To solve the various problems posed by frequent traffic accidents and traffic congestion in the Bangkok metropolitan area, an urban road traffic program and traffic safety plan were developed.	1984	Preliminary survey	Feb. 21 ~ Mar. 2, 1985	5	2,218
			1985	Field survey	Jun. 17, 1985 ~ Mar. 30, 1986	35	227,860
			1986				188,229
			Cumulative total				418,307
98	Survey on Irrigation Project in Sakae Khlong River Basin	The appropriate site for developing agricultural irrigation by constructing a dam was selected in the Sakae Khlong River basin (about 63,000 ha) in the northwest part of the central Chao Phraya plain. In fiscal year 1985, a feasibility study was conducted on the irrigation project in conjunction with the high-priority project selected by the pre-feasibility study of 1984.	1984	Preliminary survey	Jun. 25 ~ Jul. 7, 1984	5	102,030
			1984	Field survey	Oct. 1 ~ Dec. 30, 1984	13	
			1984	Field survey	Mar. 14 ~ 20, 1985	5	
			1985	Field survey	Jul. 1 ~ Sep. 30, 1985	20	156,014
			1985	Field survey	Jan. 7, 1985 ~ Jan. 15, 1986	6	
			Cumulative total				258,044
99	Bang Nara River Irrigation and Drainage Project	This project sought to solve such problems as sea water flowing back into the Bang Nara River, and to develop water resources for irrigation. Thus, this project was to develop some 400,000 ha of farmland (including farmland created as reclaimed land). In fiscal year 1985, the Japanese government conducted a survey on hydrology and the environmental conditions and water resources of farmlands according to the S/W agreement signed in fiscal year 1985. The survey team selected the farmland to be served by the irrigation and drainage development project, and conducted a pre-feasibility survey. A feasibility study of the selected farmland was then conducted.	1984	Preliminary survey	Mar. 10 ~ 23, 1985	5	3,849
			1985	Field survey	Jun. 1 ~ Sep. 30, 1985	16	229,069
			1985	Field survey	Dec. 1, 1985 ~ Mar. 20, 1986	13	
			1986				61,335
			Cumulative total				294,253

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
100	Establishing a Center Livestock Health Laboratory	The Japanese government conducted a basic design survey on establishing a center, including an information network, where livestock health could be improved, and diagnostic skills could be developed. This center would also provide education and training for health specialists.	1984	Special	Jul. 15 ~ 27, 1984	4	} 32,665
			1984	Special	Sep. 19 ~ Oct. 9, 1984	7	
			Cumulative total				
101	Project to Establish the Agricultural Cooperative Training Center	A basic design survey was conducted on establishing a central cooperative training center and local Training centers (where the directors of the agricultural cooperatives would be trained).	1984	Special	Sep. 2 ~ 18, 1984	5	} 22,286
			1984	Special	Dec. 11 ~ 18, 1984	4	
			Cumulative total				
102	Establishing a Waterworks Training Center	A basic design survey was conducted on establishing a central training center and four local training centers (where waterworks specialists would be trained). The materials and equipment to be used at the centers were also studied.	1984	Special	Jan. 8 ~ 28, 1985	7	} 11,899
			1984	Special	Apr. 7 ~ 13, 1985~	3	
			1985	Special	(Work done in Japan)	0	
			Cumulative total				
103	Engineering Industrial Development Laboratory	A basic design survey was conducted on establishing an engineering industrial development laboratory to promote the industrial use of mineral resources. The materials and equipment to be used at the institute were also studied.	1984	Special	Jan. 14 ~ Feb. 2, 1985	9	} 21,021
			1985	Special	Jul. 3 ~ 9, 1985	4	
			1985	Special	Jul. 30 ~ Aug. 7, 1985	2	
			Cumulative total				
104	Survey on Economic and Technical Cooperation	Annual Conference (The Philippines, Thailand)	1984	Project formulation	Aug. 25 ~ Sep. 2, 1984	(8)	(1,702)
			Cumulative total				1,702

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
105	Evaluation Survey on Economic and Technical Cooperation	The Japanese government conducted an evaluation survey on five economic and technical cooperation projects in Thailand. This survey included third-party participants such as journalists. The survey team also held discussions with the Young Men's International Cooperation Team and other dispatched specialists. Thus, the survey team acquired the recommendations of knowledgeable people regarding Japanese economic and technical cooperation in Thailand for the following: o King Mongkut's Institute of Technology o Livestock Health Center o Central Re-afforestation Research and Training Center o Bangseng Ocean Science Center o Phetchabun - Chai Badan road construction	1984	Evaluation survey	Jan. 27 ~ Feb. 9, 1985	5	6,083	
			Cumulative total					6,083
106	Flood-Warning System for the Chao Phraya River	A survey was conducted on the project for a flood-warning system that would cover the entire Chao Phraya River basin (162,000 square kilometers). A preliminary survey (contact) was also conducted in fiscal year 1985.	1985	Preliminary survey	Mar. 20 ~ 30, 1986	5	3,828	
			1986					37,009
			Cumulative total					40,837
107	Project to Improve Waterworks in Local Cities	To improve the waterworks at Chiang Mai, Ubon, Nupang and Pathaya, a master plan (of the long-term basic plan to be completed by the year 2010) was designed and a feasibility study was conducted on the high-priority short-term project (to be completed by 1995).	1985	Preliminary survey	Jul. 29 ~ Aug. 14, 1985	5	} 66,497	
			1985	Field survey	Dec. 2, 1985 ~ Mar. 21, 1986	15		
			1986					128,960
			Cumulative total					195,457
108	Railway Yard Improvement Project	The basic improvement project for railway yards (10 locations) of the Thai National Railways was designed, and a short-term plan was developed for this top-priority project, for which a feasibility study was conducted. In fiscal year 1985, a field survey was conducted after a preliminary survey.	1985	Preliminary survey	Aug. 20 ~ Sep. 1, 1985	6	} 86,888	
			1985	Field survey	Dec. 19, 1985 ~ Feb. 28, 1986	18		
			1986					172,867
			Cumulative total					259,755

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
109	Survey on Projects for New Kulung Tepu Bridge and Thonburi Road Extension	A feasibility study was conducted on extending the width or reconstructing the Krung Thep Bridge over the Chao Phraya River, and on east-to-west road construction in Thonburi. In fiscal year 1985, a field survey was conducted after a preliminary survey.	1985	Preliminary survey	Oct. 29 ~ Nov. 7, 1985	5	} 21,255	
			1985	Field survey	Mar. 5 ~ Jun. 2, 1986	8		
			1986					115,960
			Cumulative total					137,215
110	Survey on Effective Harbor System Development	Basic harbor plans were developed for deep harbors (five harbors including Ramuchiabang Port), and recommendations were made on the administrative organizations and control/management system to be used for effective harbor management. In fiscal year 1985, a preliminary survey was conducted.	1985	Preliminary survey	Nov. 11 ~ 22, 1985	5	} 5,295	
			1985	Preliminary survey	Feb. 3 ~ 8, 1986	3		
			1986					154,946
			Cumulative total					160,241
111	Survey on Preparing Bangkok Metropolitan Relief Map	To prepare a basic city map of the Bangkok metropolitan area, a field survey team and preliminary survey team were dispatched to conduct a field survey. These teams also held discussions with Thai government officials, and signed the S/W agreement.	1985	Preliminary survey	Jan. 27 ~ Mar. 20, 1986	11	13,138	
			1986					120,984
			Cumulative total					134,122
112	Survey on the Project to Improve the Chao Phraya River Basin Water Control System	The problems and conditions of the existing water control system were studied with regard to the entire basin of the Chao Phraya River, the largest river in Thailand. A water series data monitoring plan and methods of data control, processing and transfer were determined. In fiscal year 1985, a preliminary survey team was dispatched to discuss the proposed field survey with Thai officials, collect available data, check necessary data, and study the feasibility of conducting a field survey.	1985	Preliminary survey	Mar. 20 ~ 30, 1986	6	3,692	
			1986					66,028
			Cumulative total					69,720

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
113	Survey on National Forest Management Project	To support forest management under state control, aerial photographs (scale 1:20000) of 200 ha of a national forest were taken, a map of a model forest (extending 20,000 ha) was prepared, and a land utilization project and forest management project for agro-forestry development and preserving the environment were designed. In fiscal year 1985, S/W discussions were held before conducting a survey, and a basic survey needed to design this project was conducted.	1984	Preliminary survey	Mar. 17 ~ 28, 1985	6	4,377
			1985	Preliminary survey	Jul. 22 ~ 31, 1985	5	} 71,133
			1985	Field survey	Nov. 26, 1985 ~ Mar. 25, 1986	22	
			1986				277,856
			Cumulative total				353,366
114	Survey on Economic and Technical Cooperation	Annual conference (Singapore, Thailand)	1985	Project formulation	May 9 ~ 16, 1985	(6)	(1,476)
			Cumulative total				1,476
115	Evaluation Survey on Economic and Technical Cooperation	(Indonesia, Thailand, Burma) See the section on Asia in general for details.	1985	Evaluation	Aug. 22 ~ Sep. 11, 1985	(2)	(2,060)
			Cumulative total				3,536
116	Joint Evaluation Survey on Development Project in Northeastern Thailand	The goals and method of evaluation were discussed before a joint evaluation survey (involving Japan and Thailand) was conducted on the effects and problems of Japanese cooperation in northeastern Thailand.	1985	Evaluation	Mar. 2 ~ 12, 1986	4	1,841
			Cumulative total				1,841
117	Evaluation Survey on Economic and Technical Cooperation	Evaluation by practical businessmen	1985	Evaluation	Dec. 15 ~ 21, 1985	1	539
			Cumulative total				539

(NATION) Thailand (Development Survey Projects)

(Unit: 1000 yen)

Name of programme or item	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Grand total
Local Truck Terminal Improvement Project	1986		48,981					48,981
	Cumulative total		48,981					48,981
Survey on Cooperation in Industrial Development and Promotion	1986		1,230					1,230
	Cumulative total		1,230					1,230
Survey on Economic and Technical Cooperation (Evaluation survey per sector)	1986		2,886					2,886
	Cumulative total		2,886					2,886
Central Road Network Improvement Plan	1986		4,423					4,423
	Cumulative total		4,423					4,423
Development of Water Utilization Plan for Chanthaburi River Basin	1986		2,833					2,833
	Cumulative total		2,833					2,833
Comprehensive Survey on Economic Cooperation	1986		1,744					1,744
	Cumulative total		1,744					1,744
Survey on Economic and Technical Cooperation (Annual conference)	1986		1,556					1,556
	Cumulative total		1,556					1,556
Development Project in Southern Region	1986		3,573					3,573
	Cumulative total		3,573					3,573
Total Project for Agricultural and Maintenance in Eastern Thailand	1986		2,389					2,389
	Cumulative total		2,389					2,389
Others	- 1986		123,033					123,033
	Cumulative total		123,033					123,033
(Total of Development Survey Project)			(13,493,182)					(13,493,182)

## Overseas Development Plan Survey Programme

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
1	Survey on Project to Develop Lumber Industry	(Pakistan, Thailand) See the section on Asia in general for details.	1963	Overseas development plan survey	Dec. 15, 1963 ~ Feb. 9, 1964	(5)	(2,893)
			Cumulative total				
2	Survey on Steel Industry Development Project for Six Southeast Asian Countries	(Indonesia, Malaysia, the Philippines, Singapore, Thailand and Taiwan) See the section on Asia in general for details.	1968	Overseas development plan survey	Jun. 19 ~ Jul. 11, 1968	(8)	(2,014)
			1968	Overseas development plan survey	Jul. 22 ~ Aug. 14, 1968	(8)	
			Cumulative total				
3	Confirmation Survey on Southeast Asian Mining and Manufacturing Industry Project Selection	(1) (Malaysia, the Philippines, Thailand) See the section on Asia in general for details.	1966	Overseas development plan survey	Jul. 19 ~ Aug. 12, 1966	(4)	(1,196)
			Cumulative total				
		(2) (Indonesia, Malaysia, the Philippines, Singapore, Thailand) See the section on Asia in general for details.	1972	Overseas development plan survey	May. 31 ~ Jun. 20, 1972	(2)	(238)
			Cumulative total				
		(3) (Indonesia, Malaysia, Nepal, Thailand) See the section on Asia in general for details.	1973	Overseas development plan survey	May. 27 ~ Jun. 15, 1973	(2)	(600)
			Cumulative total				
		(4) (Indonesia, Malaysia, Nepal, Thailand) See the section on Asia in general for details.	1975	Overseas development plan survey	Feb. 22 ~ Mar. 15, 1976	(2)	(488)
			Cumulative total				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
4	Survey on Project to Develop Mineral Resources	The deposits of copper, tin, iron, antimony, and manganese in northwestern Thailand were studied, and a feasibility study on resource development was conducted.	1962	Overseas development plan survey	Nov. 24, 1962 ~ Feb. 21, 1963	9	7,977
			1963	Overseas development plan survey		0	313
			Cumulative total				8,290
5	Survey on Nam Sai Yai Electric Power Development Project	A field survey on the Nam Sai Yai basin (about 150 km east of Bangkok) was conducted to study the policies of the electric power development project, and a feasibility study was conducted.	1964	Overseas development plan survey	Feb. 11 ~ Mar. 27, 1965	6	4,217
			1965	Overseas development plan survey		0	792
			1967	Overseas development plan survey	Oct. 16, 1967 ~ Mar. 13, 1968	8	6,303
			1968	Overseas development plan survey	Oct. 20 ~ Nov. 3, 1968	1	9,742
			Cumulative total				21,054
6	Survey on Nam Pung Upstream Region Development Project	A preliminary survey was conducted on the waterpower generation project (at Nam Phram and Nam Cheru) to be undertaken to meet the increasing demand for electric power.	1966	Overseas development plan survey	Jun. 15 ~ Jul. 16, 1966	2	8,932
			1966	Overseas development plan survey	Nov. 26, 1966 ~ Mar. 8, 1967	7	
			1967	Overseas development plan survey		0	8,857
			Cumulative total				17,789



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
7	Basic Survey on Industrial Park Development Project	A basic survey was conducted on the areas of Bangkok, its suburbs, as well as northern and northeastern Thailand where industrial parks are to be built as part of Thailand's second Economic Development Project.	1969	Overseas development plan survey	Nov. 5 ~ Dec. 4, 1969	9	9,203
			Cumulative total				
8	Survey on the Project to Generate Hydroelectric Power on the Khlong Ta Duang and Nam Phrai Rivers	A pre-feasibility survey was conducted on dam construction projects at the Khlong Ta Duang site in north Bangkok, and a field survey was conducted at the Nam Phrai site in north Bangkok.	1970	Overseas development plan survey	Feb. 3 ~ Mar. 19, 1971	5	4,972
			1971	Overseas development plan survey		0	13,101
			Cumulative total				
9	Survey on the Project to Generate Hydroelectric Power on the Khawi Huai and Rah Goh Rivers	A general field survey and a feasibility study were conducted at the upstream areas of the Khawi Huai and Rah Goh Rivers. In fiscal year 1972, a basic survey was conducted and data was collected to determine the hydroelectric power generation project to be undertaken at the upstream areas of the Khawi Huai River. A field survey on the hydrologic, geographies and geologies conditions, and data was collected for the same project involving the Rah Goh River. In fiscal year 1973, the survey results were reported in a reconnaissance report on the Khawi Huai upstream project and in a pre-feasibility report on the Rah Goh project.	1972	Overseas development plan survey	Feb. 6 ~ Mar. 29, 1973	7	11,694
			1973	Overseas development plan survey		0	15,643
			Cumulative total				
10	Survey on the Khawi Huai River Reservoir Project	A feasibility study was conducted on the project to control the waters of the Khawi Huai River by using a reservoir. This project sought to reverse the flow of the river to create a reservoir for generating hydroelectric power.	1975	Overseas development plan survey	Nov. 12 ~ Dec. 26, 1975	6	43,723
			1976	Overseas development plan survey	Sep. 12 ~ 18, 1976	1	15,914
			Cumulative total				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
11	Survey on the Project to Generate Hydroelectric Power on the Upstream Khawi Huai River	Electric Generating Authority of Thailand planning to develop new sources of hydroelectric power at new sites to cope with the increasing demands for electric power (increasing at an annual rate of 12%). This organization was also promoting hydroelectric power and steam-generated electric power using coal to make more effective use of a major natural resources. Thus, as part of the total development project for the Khawi Huai River (including the Meklong River), the authority planned to develop new sources of hydroelectric power (with each site generating a maximum output of 560 MW). In response to this request, the Japanese government conducted a feasibility study.	1978	Overseas development plan survey	Nov. 6 ~ 29, 1979	5	8,829
			1979	Overseas development plan survey (Report)	Jul. 2 ~ 31, 1979	10	105,225
			1979	Overseas development plan survey (Report)	Mar. 20 ~ 29, 1980	1	
			1980	Overseas development plan survey	(Domestic work, preparation of reports)	0	6,290
			Cumulative total				120,344
12	Survey on Bangkok Metropolitan Gas Supply Project	To meet the growing needs for fuel in the Bangkok metropolitan area, the Thai government planned to replace existing city fuels (LPG and charcoal) with city gas. The Japanese government conducted a feasibility study on this project, and carried out technical and economical studies after determining a plan to supply the gas. At the same time, the Japanese government estimated the future demand for city gas.	1974	Overseas development plan survey	Sep. 20 ~ Dec. 24, 1974	13	54,307
			1975	Overseas development plan survey	Oct. 26 ~ Nov. 1, 1975	1	6,331
			Cumulative total				60,638
13	Survey on Furniture Industry Promotion Project	To promote the wooden furniture industry in Thailand, the Japanese government conducted a field survey to understand the background and current situation of the country's wooden furniture industry, and to improve production skills and designs to facilitate the export of furniture to be produced.	1974	Overseas development plan survey	Mar. 11 ~ 30, 1975	8	9,909
			1975	Overseas development plan survey		0	828
			Cumulative total				10,737

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
14	Survey on North-eastern Industrial Development Project	Most Thai business and industry is concentrated in the Bangkok metropolitan area. This centralization causes various problems such as overcrowding (since people leave other regions to live and work in Bangkok), and major differences in the quality of life and level of industrial development between Bangkok and rural area. In undeveloped northeastern Thailand, for example, such adverse factors as the unemployment caused when base workers were laid off as U.S. armed forces left when the Vietnam War ended, and the growing problem of increasing communist guerrilla activities. To improve this situation, the Thai government requested that the Japanese government provide cooperation to promote industrial development, mainly in industrial areas of the northeast. The Japanese government, therefore, conducted a preliminary survey to determine the fields of future technical cooperation by correctly understanding the needs of the country, and by positioning the project as part of the total economic development project.	1977	Overseas development plan survey (Preliminary)	Oct. 23 ~ Nov. 5, 1977	4	4,674	
			Cumulative total					4,674
15	Survey on Mae Moh Fertilizer Plant Restoration Project	The CFC Mae Moh plant (located 600 km north of Bangkok) is Thailand's only chemical and fertilizer plant, and is the only plant with high-temperature and high-pressure plant equipment in Thailand. It began operation in 1965. However, recent and frequent problems involving the lack of basic maintenance (overhaul inspections, etc.) have reduced annual production to 30% of capacity. By 1976, the plant was repaired and inspected on a commercial basis, but in 1977, an actual overhaul inspection was planned. Thus, the Thai government requested that the Japanese government provide technical assistance in this matter. In response to this request for cooperation, the Japanese government conducted a preliminary survey before the overhaul inspection. This overhaul inspection was continued into fiscal year 1978.	1977	Overseas development plan survey (Preliminary)	Feb. 19 ~ Mar. 19, 1978	8	12,976	
			1978	Overseas development plan survey	Jun. 25 ~ Sep. 24, 1978	8	} 47,715	
			1978	Overseas development plan survey	Feb. 18 ~ 27, 1979	1		
			Cumulative total				60,691	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
16	Survey on Comprehensive Iron Mill Construction Project	To meet the domestic demand for steel plate (estimated imports of one million tons in 1985), the Thai government requested that the Japanese government conduct a feasibility study on a comprehensive iron mill that would use the direct reduction method using natural gas produced in the Gulf of Siam. The Japanese government conducted a preliminary survey to confirm Thai policy, then conducted a feasibility study to understand the concept being pushed by the Thai government, determine plans for the future, and to discuss terms of an agreement.	1978	Overseas development plan survey (Preliminary)	Oct. 22 ~ 31, 1978	2	743
			1978	Overseas development plan survey	Feb. 18 ~ Mar. 10, 1979	13	44,616
			1979	Overseas development plan survey (Report)	Dec. 17 ~ 23, 1979	6	96,498
			Cumulative total				141,857
17	Evaluation Survey on the ASEAN Industrial Development Project to Establish a Rock-Salt Soda Ash Plant in Thailand	This project was based on a continuation of the SNC report (prepared by SNC, a Canadian company) as requested by the Thai government. A technical and economic feasibility study was also conducted. This project sought to increase annual rock salt production at Bamnet Narong (265 km northeast of Bangkok) to 1.8 million tons, of which 400,000 to 500,000 tons would be processed into soda ash, leaving 1.3 million tons of salt to be sold. In fiscal year 1981, the scheduled soda ash plant site was changed as recommended by the evaluation survey conducted in fiscal year 1980. The Japanese government dispatched an S/W discussion team and conducted a field survey (according to the S/W agreement) comparing the two possible construction sites in terms of technical and economic feasibility. The evaluation confirmed that the project was well industrialized, but would be highly dependent on foreign cooperation.	1978	Overseas development plan survey (Preliminary)	Mar. 20 ~ 30, 1979	6	6,324
			1979		(Preparation of reports)	0	3,192
			1979	Overseas development plan survey (1st evaluation)	Jul. 30 ~ Aug 5, 1979	1	17,335
			1979	Overseas development plan survey (1st evaluation)	Oct. 25 ~ Nov. 13, 1979	3	
			1980		(Preparation of reports)		5,960
			1980	Overseas development plan survey (2nd evaluation)	Sep. 10 ~ Oct. 2, 1980	14	58,408

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			1980	Overseas development plan survey (2nd evaluation)	Feb. 15 ~ 21, 1981	6	17,203
			1981	Overseas development plan survey	Nov. 9 ~ Dec. 2, 1981	2	} 25,921
			1981	Overseas development plan survey (Report)	Mar. 16 ~ 21, 1982	2	
			Cumulative total				134,343
18	Survey on Samut Sakhon Industrial Park Development Project	A feasibility study was conducted on establishing an industrial part to relieve the crowded plant building conditions in the Samut Sakhon district (30 km west of Bangkok).	1979	Overseas development plan survey	Feb. 4 ~ Mar. 5, 1980	10	36,341
			1980	Overseas development plan survey (Report)	Jun. 30 ~ Jul. 6, 1980	4	19,141
			Cumulative total				55,482
19	Survey on the Hydroelectric Power Generation Project for the Namupai and Cham Rivers	A comprehensive master plan for development was designed to generate hydroelectric power using the water resources of the Cham River (tributary of the Chao Phraya, the country's largest river) and the nearby Phai River. After the preliminary survey conducted in fiscal year 1979, the following activities were conducted in fiscal year 1980: (1) environmental survey on hydrology (i.e., flow conditions and river characteristics) (2) engineering survey to select sites for dam construction and water pumps (3) geologic survey (4) collection of information on hydroelectric power, and related design (5) study on irrigation, waterways, water for industrial use, and economic evaluation	1979	Overseas development plan survey (Preliminary)	Feb. 13 ~ Mar. 4, 1980	6	13,585
			1980	Overseas development plan survey	Nov. 11, 1980 ~ Jan. 19, 1981	9	67,226
			1981	Overseas development plan survey (Report)	Jun. 10 ~ 19, 1981	1	22,137
			Cumulative total				102,948

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
20	Survey on Project to Establish a Petrochemical Plant	A feasibility study was conducted on a project to produce ethylene and VCM (Vinyl Chloride Monomer), its derivative, from ethane extracted during the production process of natural gas discovered in the Gulf of Siam. After the preliminary survey of 1980, the following feasibility studies were carried out: (1) materials survey (2) market research (3) technical survey (4) economic and financial analysis (5) comprehensive evaluation (6) project promotion	1980	Overseas development plan survey (Preliminary)	Jul. 20 ~ 27, 1980	5	3,001
			1980	Overseas development plan survey	Oct. 6 ~ Nov. 2, 1980	15	49,465
			1980	Overseas development plan survey	Mar. 4 ~ 10, 1981	3	
			1981	Overseas development plan survey		0	3,226
			Cumulative total				55,692
21	Survey on Master Plan to Modernize Bangkok's Power Distribution Network	A master plan was designed to achieve the following: (1) development of an MEA power distribution system that can be economically established and operated in Bangkok and its suburbs for twenty years (1982 to 2001) (2) development of computer programs for the MEA power distribution project (3) preparation of an optimum program to establish MEA power distribution facilities during the twenty-year period (4) MEA design and development of standard construction techniques (5) study on rational training plan for project engineers After conducting a preliminary survey, the Japanese government studied the organizational functions of the Electric Power Generation Authority of Thailand, system of determining rates for electric power, and the conditions of power transmission, substations, and power distribution facilities. In fiscal year 1981, Japan conducted the following activities: o Estimated the workload to be placed on the power distribution network o Standardized project planning	1980	Overseas development plan survey (Preliminary)	Dec. 8 ~ 20, 1980	5	6,562
			1980	Overseas development plan survey	Mar. 2 ~ 22, 1981	5	9,844
			1981	Overseas development plan survey	Aug. 2 ~ 12, 1981	6	71,472
			1981	Overseas development plan survey	Dec. 7 ~ 19, 1981		
			1981	Overseas development plan survey	Feb. 28 ~ Mar. 7, 1982		
			1982	Overseas development plan survey	(Work done in Japan)	0	9,720
			Cumulative total				97,598

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)		
		<ul style="list-style-type: none"> <li>o Analyzed existing conditions of MEA and reviewed its construction standards</li> <li>o Calculated investments for modernizing the power distribution network</li> </ul> <p>In fiscal year 1982, Japan studied the organizational functions of MEA, the system of determining electric power rates, and the conditions of power transmission, substations, and power distribution facilities. A final report was subsequently submitted.</p>							
22	Survey on Project to Promote the Metal Processing Industry	<p>This project sought to determine a viable program to promote Thailand's metal processing industry. For this reason, the Japanese government was requested to undertake the following:</p> <ul style="list-style-type: none"> <li>(1) understand the background and contents of the request,</li> <li>(2) collect related information, and</li> <li>(3) study the feasibility of Japanese cooperation.</li> </ul> <p>The Japanese government confirmed that the Thai government's request to promote machining, assembling, forging, sheet metal processing and pressing, and concluded that possible Japanese cooperation would be further studied in detail. In fiscal year 1983, the Japanese government collected the preparatory information for a field survey, held discussions on the scope of work to determine the range and contents of the requested cooperation, then signed the S/W agreement. It also discussed and determined how to conduct the field survey on Thailand's metal processing industry, and conducted a field survey (mainly involving small-to-medium sized companies). In fiscal year 1984, the Japanese government conducted the field survey, prepared a final report (draft), explained it to Thai officials field, then submitted a final report.</p>	1980	Overseas development plan survey (Preliminary)			52		
			1981	Overseas development plan survey (Preliminary)	Jul. 20 ~ 29, 1981	6	5,721		
			1983	Overseas development plan survey (Preliminary)	Sep. 5 ~ 14, 1983	4	2,585		
			1983	Overseas development plan survey	Jan. 17 ~ 25, 1984	}	}		
			1983	Overseas development plan survey	Mar. 21 ~ 29, 1984			3	16,103
			1984	Overseas development plan survey	May. 14 ~ Jan. 13, 1984	}	}		
			1984	Overseas development plan survey	Aug. 7 ~ 17, 1984			13	67,326
			1984	Overseas development plan survey (Report)	Nov. 5 ~ 13, 1984			2	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
			Cumulative total				91,787
23	Survey on Project to Generate Hydroelectric Power on the Nam Yuam River	<p>The technical and economic propriety was studied for developing the generation of hydroelectric power on the Nam Yuam River (tributary of the Salwin River in northern Thailand). Before the actual feasibility study, a preliminary survey team was dispatched for 18 days (from the end of January, 1981) to discuss and sign the S/W agreement.</p> <p>In fiscal year 1982, Japan conducted a geologic survey at the proposed power plant and dam sites, then provided instruction and supervision of the boring construction. In fiscal year 1983 Japan conducted the following:</p> <p>(1) 1st field survey: to evaluate the results of engineering material testing entrusted to AIT,</p> <p>(2) 2nd field survey: to provide an instruction on a boring survey and permeability testing conducted by the Thai side,</p> <p>(3) analysis work in Japan: to analyze the field survey results, and prepare a draft report,</p> <p>(4) explanation of draft: to consult with Thai officials regarding the draft of the final report.</p>	1981	Overseas development plan survey (Preliminary)	Jan. 27 ~ Feb. 13, 1982	4	6,043
			1982	Overseas development plan survey	Aug. 16, 1982 ~ Mar. 25, 1983	17	88,953
			1983	Overseas development plan survey	Jan. 12 ~ 23, 1983	4	47,784
			1983	Overseas development plan survey	Nov. 7 ~ 30, 1983		
			1983	Overseas development plan survey (Report)	Jan. 24 ~ Feb. 3, 1984	2	
			Cumulative total				
24	Survey on the San Kamphaeng Terrestrial Radiation Development Project	<p>A survey on the terrestrial radiation development project at San Kamphaeng in northern Thailand was conducted.</p> <p>After the preliminary survey, the following work was done in fiscal year 1981 to obtain the approval of the Thai government:</p> <p>(1) rough inspection of San Kamphaeng region</p> <p>(2) confirming details of the request</p> <p>(3) determining the scope of work (S/W)</p> <p>(4) discussion on scope of work and S/W agreement</p> <p>In fiscal year 1982, the following survey work was conducted;</p> <p>(1) geological inspection and analysis</p> <p>(2) gravity inspection and analysis</p> <p>(3) magnetic probing and analysis</p>	1981	Overseas development plan survey (Preliminary)	Sep. 21 ~ Oct. 3, 1981	3	3,090
			1981	Overseas development plan survey (Preliminary)	Jan. 20 ~ 29, 1982	4	3,637
			1981	Overseas development plan survey			60 Equipment grant 32,820
			1982	Overseas development plan survey	Jul. 6, 1982 ~ Mar. 31, 1983	23	136,698



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
		<p>(4) physical inspection of a model test (well excavated by Thai side)</p> <p>(5) electric probing of deepest areas</p> <p>(6) elastic wave probing</p> <p>(7) conceptual model for layers of terrestrial radiation</p> <p>In fiscal year 1983, after analyzing the field inspection results in Japan in 1982, Japan carried out the following work in fiscal year 1983 for constructing a field terrestrial radiation-storage structure, and to evaluate the potential of terrestrial radiation:</p> <p>(1) soil core survey</p> <p>(2) explanation of drafts of technical reports</p> <p>(3) analysis of electrical probing of deep soil layers</p> <p>(4) analysis of elastic wave probing</p> <p>(5) terrestrial radiation structure model construction</p> <p>(6) evaluation of terrestrial radiation potential</p> <p>(7) provision of trial boring machine for excavation</p> <p>In fiscal year 1984, a well 1,200 meters deep was drilled to conduct a core inspection of the actual layers.</p> <p>In fiscal year 1985, a geochemical survey (using fingerprints to trace the dislocation that greatly affects the action of terrestrial radiation fluid), and a heat flow survey (at 100 meters) were conducted. It also suggested that the excavation position of the no. 2 survey well (1,500 meters deep), which was to be drilled in fiscal year 1986 after approving the budget for it.</p>	1983	Overseas development plan survey	Jun. 15 ~ 24, 1983	1	254,688 Equipment grant 87,334	
			1983	Overseas development plan survey (Report)	Oct. 17 ~ 23, 1983	2		
			1983	Overseas development plan survey	Jan. 10 ~ Feb. 8, 1984	3		
				1984	Overseas development plan survey	May. 9, 1984 ~ Mar. 8, 1985	19	117,762
				1985	Overseas development plan survey	Jun. 23 ~ 29, 1985	3	1,917
				1985	Overseas development plan survey	Aug. 26 ~ Sep. 21, 1985	6	35,519
				1985	Overseas development plan survey	Oct. 28 ~ Dec. 5, 1985		
				1985	Overseas development plan survey (Report)	Mar. 11 ~ 15, 1986		
				Cumulative total				553,372 Equipment grant 120,154

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
25	Survey on Project to Develop Energy-saving Plans	<p>This plan consisted of two phases:            (Phase I) Fifty-five plants in six manufacturing fields in Thailand (fiber, food processing, paper, metal, plastics, and chemical/ceramic/glass) were analyzed to understand energy consumption and energy-saving conditions.            (Phase II) Based on the diagnosis results, the "Criterion for Rationalizing Energy Consumption" (draft) was prepared, and "Measures to Promote Energy-Savings" were recommended.            In fiscal year 1981, the Japanese government signed the S/W agreement that defined the scope of the survey.            In fiscal year 1972, Japan issued a report on the first field survey conducted in the fields of ceramics/glass and paper, and conducted a field inspection in other fields (metal and fiber). The Japanese government conducted a survey in fiscal year 1983 on energy consumption at chemical and food processing plants, then held discussions and conducted a survey to prepare the "Draft of Criterion" and recommend "Measures."            In fiscal year 1984, the Japanese government prepared a final report based on data analyzed in Japan.</p>	1981	Overseas development plan survey (Preliminary)	Mar. 18 ~ 27, 1982	4	2,337
			1982	Overseas development plan survey	Aug. 1 ~ Sep. 18, 1982	} 17	} 82,710 Equipment grant 8,750
			1982	Overseas development plan survey	Jan. 9 ~ Feb. 12, 1983		
			1983	Overseas development plan survey	Jun. 26 ~ Jul. 30, 1983	} 16	} 80,881
			1983	Overseas development plan survey	Mar. 4 ~ 21, 1984		
			1983	Overseas development plan survey (Report)	Jan. 18 ~ 27, 1984		
			1984	Overseas development plan survey (Report)	Nov. 11 ~ 17, 1984	3	35,133
			Cumulative total				
26	Survey on Project to Construct a Cement Plant Using Oil Shale Produced in Mae Sot	<p>A feasibility study was conducted for establishing a cement plant that uses oil shale to develop an alternate source of energy.            A preliminary survey team dispatched in fiscal year 1982 conducted a survey on the following:            (1) background of request made by the Thai government            (2) scope of work</p>	1982	Overseas development plan survey (Preliminary)	Jul. 19 ~ 29, 1982	6	6,426
			1972	Overseas development plan survey	Nov. 21 ~ 25, 1982	9	36,760



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
29	Survey on the Project to Construct a Lubricating Oil Production Plant	In Thailand, lubricating oil is produced by importing and blending the base oil used in producing oil. Conversely, the production of natural gas involves an excessive amount of heavy oil. Thus, the Thai government requested that the Japanese government conduct a feasibility study on constructing a plant that produces the base oil from heavy oil. In response to the request, the Japanese government conducted a preliminary survey in November of 1983, then signed the S/W agreement after conducting a field survey in February and analysis in Japan. In fiscal year 1984, the field survey results were reported in the final report (draft) submitted to the Thai government, and this report was explained field.	1983	Overseas development plan survey (Preliminary)	Nov. 16 ~ 25, 1983	5	6,432
			1983	Overseas development plan survey	Feb. 19 ~ Mar. 17, 1984	7	21,727
			1984	Overseas development plan survey (Report)	Sep. 16 ~ 22, 1984	4	41,214
			Cumulative total				69,373
30	Cooperation Project to Renovate the South Bangkok Steam Power Plant	This project was initiated after the plant renovations survey team, headed by Mr. Suzuki, Manager of Technical Cooperation for the Ministry of International Trade and Industry, visited Thailand to confirm the selection of projects in ASEAN countries. This team held discussions with Thai officials on future cooperation in the plant renovation recommended by former Japanese Prime Minister Nakasone. In fiscal year 1983, the Japanese government conducted a general survey on the object plant, collected available data, held discussions with Thai officials, and conducted a preliminary survey before signing the S/W agreement. In fiscal year 1984, Japan conducted a field survey to determine the renovation plan, prepared a final report after completing analysis work done in Japan, then submitted the report to the Thai government.	1983	Overseas development plan survey (Preliminary)	Mar. 21 ~ 30, 1984	5	5,656
			1984	Overseas development plan survey	Jul. 17 ~ Aug. 15, 1984	9	63,017
			1984	Overseas development plan survey (Report)	Dec. 16 ~ 22, 1984	2	
			Cumulative total				68,673
31	Survey on Confirming the Selection of Mining Industry Projects in ASEAN Countries	See the section on Asia in general for details.	1983	Overseas development plan survey	Jun. 26 ~ Jul. 27, 1983	(4)	(387)
			Cumulative total				387

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
32	Survey on Confirming the Selection of Mining Industry Projects in ASEAN Countries (Plant Renovation)	See the section on Asia in general for details.	1983	Overseas development plan survey	Oct. 30 ~ Nov. 12, 1983	(4)	(828)
			Cumulative total				828
33	Survey on the Project to Develop Hydroelectric Power Upstream on the Nam Yuam River	This project sought to prepare a master plan for a project to develop hydroelectric power upstream on the Nam Yuam River (near the Burmese border in northern Thailand). In fiscal year 1984, the Japanese government conducted a preliminary survey in preparation for a pre-survey, and a field survey to discuss the scope of work with Thai officials. In fiscal year 1985, Japan conducted a field survey that covered the hydrologic, geologic, geographic, and electric power conditions, as well as transportation needs, a construction plan, social/economic considerations, and irrigation and environmental compensation. The survey results were reported in an interim report. Japan also determined the development projects at nine sites, and compared the development priority at each site through evaluation.	1984	Overseas development plan survey (Preliminary)	Dec. 5 ~ 15, 1984	3	3,303
			1984	Overseas development plan survey (Preliminary)	Mar. 20 ~ 29, 1985	2	2,689
			1985	Overseas development plan survey	Jul. 8, 1985 ~ Jan. 10, 1986	14	103,670
			Cumulative total				109,662
34	Survey on Confirming the Selection of Mining Industry Projects in ASEAN Countries	(Indonesia, Malaysia, Thailand, the Philippines) See the section on Asia in general for details.	1984	Overseas development plan survey	Aug. 25 ~ Sep. 2, 1984	(1)	(280)
			Cumulative total				280
35	Survey on Power Distribution Control Center Development	A survey was conducted on establishing a power distribution control center where information on power distribution could be collected, and where centralized control would be provided to cope with the developing local power distribution network. In fiscal year 1985, the Government of Japan dispatched a preliminary survey team to sign the S/W agreement.	1985	Overseas development plan survey (Preliminary)	Mar. 11 ~ 21, 1986	5	5,880
			Cumulative total				5,880



Name of programme or item	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Total
Others	- 1983		193,663					193,663
	Total		193,663					193,663
(Total of Survey Projects of Overseas Development Projects)			(2,533,332)			(128,904)		(2,662,226)

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
1	Survey on Project Selection	(Zimbabwe, Morocco, Thailand) See the section on World in general for details.	1982	Resource development plan survey	Dec. 12 ~ 16, 1982	3	3,587
			Cumulative total				
2	Survey on Resource Development in the Om Koi Region	The object region Om Koi is famous for its deposits of tin and tungsten. Because these minerals contain such rare metals as niobium and tantalum, the Thai government tried to locate areas containing rich deposits through geologic and geochemical surveys. In fiscal year 1983, the Japanese government conducted such surveys throughout an area extending over a thousand square kilometers. In fiscal year 1984, it conducted the same kinds of surveys over 15 square kilometers. In fiscal year 1985, a trench survey, involving a trench 1,810 meters deep, and a boring survey, involving 51 holes drilled to a depth of 1,600 meters, were conducted as part of the last survey of this three-year project to locate deposits of tungsten (content of 0.7 to 1.23%) and deposits 0.7 to 1.0 m in width.	1983	Resource development plan survey	Jun. 5 ~ 14, 1983	1	33,329
			1983	Resource development plan survey	Nov. 20, 1983 ~ Feb. 14, 1984	10	
			1984	Resource development plan survey	Jul. 9 ~ 12, 1984	12	60,056 Equipment grant 10,644
			1984	Resource development plan survey	Oct. 31, 1984 ~ Jan. 30, 1985		
			1985	Resource development plan survey	Jul. 24 ~ 27, 1985	14	124,913 Equipment grant 5,363
			1985	Resource development plan survey	Oct. 23, 1985 ~ Feb. 28, 1986		
			1986				22,545
			Cumulative total				240,843 Equipment grant 16,007



(NATION) Thailand (Basic Survey Programme for Resources Development Cooperation)

(Unit: 1000 yen)

Name of programme or item	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Total
Survey on Resource Development in the Yan Khuan Region	1986		28,408			6,101		34,509
	Cumulative total		28,408			6,101		34,509
Follow-up Survey	1986		1,087					1,087
	Cumulative total		1,087					1,087
Others	- 1983		1,214					1,214
	Cumulative total		1,214					1,214
(Total of Basic Survey Projects for Cooperation in Resource Development)			(275,139)			(22,108)		(297,347)

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
1	Project to Construct a Center for Occupational Training in Northeastern Thailand	Establishment of a center for occupational training in northeastern Thailand to improve the job skills of local residents	Aug. 16, 1977	10	1976	Basic design	Jan. 24 ~ Feb. 8, 1977	10	} Development survey
					1977	Explanation of reports	Jul. 13 ~ 22, 1977	5	
					1980	Follow-up (Survey)	Dec. 1 ~ 14, 1980	((5))	((605))
					Cumulative total				605
2	Project for Kasetsart University Expansion	Construction of research facilities and provision of research equipment for Kasetsart University in support of the agricultural research system	Oct. 4, 1988	13	1977	Preliminary survey	Jul. 17 ~ 31, 1977	7	} Development survey
			Jul. 23, 1979	23	1977	Basic design	Oct. 17 ~ 31, 1977	11	
			May. 14, 1982	5	1978	Basic design	Nov. 7 ~ 18, 1977	7	
					1978	Explanation of reports	Mar. 1 ~ 6, 1979	3	
					1979	Expediting the execution (Survey)	Mar. 22 ~ Apr. 3, 1979	((2))	((257))
					1982	Expediting the execution (Survey)	Jan. 30 ~ Jul. 14, 1982	(2)	(463)
					Cumulative total				720
3	Project to Establish the Songkhla Coastal Aquaculture Center	Construction of a center where related skills could be upgraded through technical development and promoting coastal aquaculture	Nov. 19, 1979	8	1979	Basic design	Sep. 24 ~ Oct. 14, 1979	6	Development survey
					1979	Expediting the execution (Survey)	Mar. 22 ~ Apr. 3, 1980	((2))	((257))
					Cumulative total				257

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
4	Project to Establish the Young Men's Center	As part of Thailand's fourth five-year project that placed top priority on the education of youth, the Youngmen's Welfare Center was established in northeast Bangkok as a sports and cultural activities facility for young people and other local Thai citizens (Part of the 200th anniversary project of the Chiakuri dynasty).	Jul. 23, 1979	10	1979	Basic design	Jun. 10 ~ 24, 1979	8	} Development survey
			Jul. 21, 1980	19	1979	Explanation of reports	Aug. 13 ~ 19, 1979	3	
					1979	Expediting the execution (Survey)	Mar. 22 ~ Apr. 3, 1980	((2))	((257))
					1980	Expediting the execution (Survey)	Jun. 8 ~ 21, 1980	(2)	(159)
					1981	Expediting the execution (Survey)	Mar. 31 ~ Apr. 4, 1982	1	640
					1985	Follow-up (Survey)	Dec. 1 ~ 14, 1980	((5))	((605))
					Cumulative total				
5	Project to Construct a Small-Scale Dam	A project for constructing a small-scale dam at Khao Duang in eastern Thailand (where water shortages are frequent) to improve agricultural productivity and the lives of local residents by providing the necessary water resources	Jan. 15, 1981	10	1980	Basic design	Sep. 11 ~ Oct. 15, 1980	8	Development survey
					1980	Expediting the execution (Survey)	Sep. 28 ~ Oct. 7, 1980	((4))	((2,731))
					1983	Follow-up (Survey)	Oct. 22 ~ 27, 1983	2	968
					Cumulative total				
6	Project to Construct a Laboratory for Rice Seed Preservation	More than 600 native varieties of rice seed have been found in Thailand. To obtain satisfactory study results in the field of rice cultivation, it is essential to preserve the nature seed in good condition.	Aug. 25, 1980	3	1980	Expediting the execution (Survey)	Sep. 28 ~ Oct. 7, 1980	((4))	((2,731))
					1980	Expediting the execution (Survey)	Apr. 5 ~ 13, 1981	(2)	(260)

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)		
		A laboratory for preserving native seed (equipped with a preservation system that regulates temperature and humidity) was constructed as the first such facility in Thailand.			Cumulative total				2,991		
7	Mahalat Hospital Construction Project	The Mahalat Hospital was constructed in Nakhon Sri Thammarat to expand medical facilities to improve medical services for local farming villages, increase the number of medical professionals, and to fully develop the capabilities of these professionals.	Jul. 21, 1980	16	1979	Preliminary survey	Aug. 14 ~ 28, 1979	4	} Development survey		
			Jun. 8, 1981	20	1979	Basic design	Dec. 2 ~ 22, 1979	8			
					1979	Explanation of reports	Feb. 12 ~ 21, 1980	4			
							1980	Expediting the execution (Survey)	Jun. 8 ~ 21, 1980	(2)	(159)
							1980	Expediting the execution (Survey)	Apr. 5 ~ 13, 1981	(2)	(260)
							1985	Follow-up (Survey)	Dec. 1 ~ 14, 1980	((5))	((605))
							Cumulative total				1,024
8	Project to Construct the Bang Saen Ocean Science Center	A project to establish an ocean science center on the Bang Saen campus of Shinakaring Willort University for promoting and expanding the research on and training in ocean science	Jun. 8, 1981	23	1980	Preliminary survey	Dec. 15 ~ 26, 1980	4	} Development survey		
					1980	Basic design	Feb. 4 ~ 13, 1981	6			
					Cumulative total					0	
9	Project to Construct the Maha Sararham Nursing School	A project to construct a nursing school in Maha Sararham (northeastern Thailand) to help remedy the shortage of trained nurses	Jun. 8, 1981	18.6	1980	Basic design	Oct. 27 ~ Nov. 16, 1980	7	Development survey		
					1984	Expediting the execution (Survey)	Sep. 13 ~ 21, 1984	(2)	(633)		

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
					Cumulative total				633
10	Project to Construct an Occupational Training Center in Far Eastern Thailand	Construction of an occupational training center to train Thai citizens that were economically affected by the inflow of Cambodian refugees into Thailand, and to improve their quality of life	Feb. 11, 1982	5.8	1981	Basic design	Nov. 1 ~ 15, 1981	4	Development survey
					1981	Expediting the execution (Survey)	Feb. 9 ~ 17, 1982	(2)	(555)
						Cumulative total			
11	Project to Construct a Central Re-forestation Research and Training Center	To help preserve forest resources, a central re-forestation research and training skill center in Bangkok and a field station in Sakae Rat were respectively constructed to develop and improve afforestation techniques.	Jun. 24, 1982	20	1981	Preliminary survey	Jul. 19 ~ 28, 1981	1	Development survey
					1981	Basic design	Oct. 27 ~ Nov. 14, 1981	7	
					1981	Explanation of reports	Dec. 20 ~ 26, 1981	4	
						Cumulative total			
12	Project to Construct a Trade Training Center	A project for a trade study and training center to provide scheduled training in the practical international trade practices, determine product standards for exports, improve quality control techniques, and open up new markets	Jun. 24, 1982	15	1981	Basic design	Jan. 6 ~ 14, 1982	7	Development survey
					1981	Explanation of reports	Feb. 8 ~ 21, 1982	5	
					1982	Expediting the execution (Survey)	Mar. 27 ~ 31, 1983	(1)	
						Cumulative total			
13	Project to Construct a Program Production Center at Sukhothai Thammachat Broadcasting University	The Sukhothai Thammachat University was established in 1978 to offer higher education through radio and TV broadcasting. The construction of a program production center and the provision of necessary facilities were planned because	Jun. 24, 1981	17.65	1981	Basic design	Jan. 24 ~ Feb. 13, 1982	7	Development survey
					1982	Explanation of reports	May. 23 ~ 29, 1982	5	

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		the existing program production studio could not provide the necessary program production capabilities.			1983	Expediting the execution (Survey)	Jan. 17 ~ 28, 1984	(2)	(434)
					Cumulative total				434
14	Project to Construct the Training Center for Primary Health Care	To construct a primary health care training center for training health care instructors, who would promote basic health care activities, and for conducting various research activities on training methods and ways to improve health care quality	Oct. 29, 1982	18	1981	Preliminary survey	Mar. 16 ~ 25, 1982	2	} Development survey
			Jun. 27, 1983	12	1982	Basic design	May. 23 ~ Jun. 19, 1982	7	
					1982	Basic design	Sep. 26 ~ Oct. 2, 1982	3	
					1982	Expediting the execution (Survey)	Oct. 13 ~ 22, 1982	(2)	(517)
					Cumulative total				
15	Bangkok Drainage Facilities Improvement Project	To provide machinery and equipment needed to improve the drainage facilities in Bangkok, which suffers from frequent flooding due to inadequate river embankment, unconducted river improvement, torrential downpours during the rainy season, and sinking ground	Oct. 29, 1982	2.3					
16	Project to Construct an Inland Sea Fishery Center	To construct an inland water fishery center to become the center of fishery activities in Thailand, and improve fishery stations, upgrade breeding techniques, and improve the species of fish to increase coastal utilization and fish production	Oct. 29, 1982	11.85	1981	Preliminary survey	Jan. 6 ~ 14, 1982	7	} Development survey
					1981	Preliminary survey	Feb. 8 ~ 21, 1982	7	
					1982	Basic design	Apr. 10 ~ 30, 1982	7	
					Cumulative total				

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
17	Project to Eradicate Poverty	Despite past priority placed on eradicating poverty and promoting the development of undeveloped districts, the lack of information and centralized data processing, (as well as poor handling of data) has inhibited the acquisition of satisfactory results. The Thai government decided to establish a data processing center to tackle this problem, and requested that Japan provide a computer system and other necessary equipment.	Dec. 27, 1982	4.7	1982	Preliminary survey	May. 11 ~ 18, 1982	4	Development survey
					1982	Basic design	Aug. 30 ~ Oct. 8, 1982	7	
					1982	Preparation of reports	Dec. 5 ~ 11, 1982	5	
					1982	Expediting the execution (Survey)	Dec. 18 ~ 25, 1982	(1)	(283)
					Cumulative total				
18	Project to Construct an Agricultural Development Center	To construct a center for agricultural development involving farmers in the Meklong area	Mar. 30, 1983	1.56	1982	Basic design	Jun. 20 ~ Aug. 3, 1982	7	Development survey
					1982	Preparation of reports	Nov. 14 ~ 25, 1982	2	
					1985	Follow-up (Survey)	Dec. 1 ~ 14, 1985	((5))	
					Cumulative total				605
19	Project to Improve the Living Environment of Frontier Residents	To construct water supply facilities as a part of a project to improve the living environment of people living near the Cambodian and Laotian borders with Thailand	May 3, 1983	4.95	1982	Basic design	Nov. 24, 1982 ~ Jan. 22, 1983	9	Development survey
			Sep. 11, 1984	5.67	1984	Expediting the execution (Survey)	Jan. 28 ~ Feb. 6, 1985	2	1,183
					Cumulative total				1,183
20	Project to Construct an Irrigation Engineering Center	To construct an irrigation engineering center to systematically improve existing irrigation skills and technical information, and to train engineering personnel	Jun. 27, 1983	17.7	1982	Preliminary survey	Nov. 30 ~ Dec. 9, 1982	3	Development survey
					1982	Basic design	Feb. 18 ~ Mar. 12, 1983	10	
					1983	Explanation of reports	Apr. 20 ~ 29, 1983	5	





No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
24	Livestock Health Improvement Project	To provide the machinery and equipment necessary to improve and expand the vaccine production facilities of the hoof-and-foot disease vaccine production center that was established in 1986 and 1987 using Japanese grant aid	Dec. 8, 1983	1.3					
25	Malaria Prevention Project	To provide the necessary medicine to treat malaria and audiovisual equipment to publicize malaria prevention measures for maintaining public welfare economic development in undeveloped areas	Jun. 27, 1983	3.5					
					1986				2,198
					Cumulative total				2,198
26	Project to Establish New Villages	To provide the engineering machinery and equipment necessary to obtain water for irrigation and to construct a reservoir construction for improving the living conditions of residents of undeveloped areas near Cambodia and Laos	Jun. 27, 1983		1980	Expediting the execution (Survey)	Jul. 28 ~ Aug. 7, 1980	1	486
					1983	Expediting the execution (Survey)	Aug. 1 ~ 10, 1983	(1)	(314)
					1984	Expediting the execution (Survey)	Jun. 2 ~ 10, 1984	(2)	} (1,020)
					1984	Expediting the execution (Survey)	Aug. 10 ~ 18, 1983	(1)	
					Cumulative total				1,820
27	Project to Improve Radiation Equipment at Chiang Mai University	To provide the equipment necessary for expanding the radiotherapy facilities at the largest hospital in northern Thailand hospital (affiliated with Chiang Mai University)	Sep. 16, 1983		1983	Expediting the execution (Survey)	Dec. 9 ~ 18, 1983	2	} 2,662
					1983	Expediting the execution (Survey)	Feb. 26 ~ Mar. 3, 1984	2	

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
28	Urgent Project to Improve Local Drinking Water	To provide drilling equipment for wells for supplying small-scale local villages with drinking water	Sep. 16, 1984	10	1983	Expediting the execution (Survey)	Oct. 2 ~ 15, 1983	(2)	(783)
					Cumulative total				783
29	Restoration and Reinforcement Project of Feitakien Dam	To restore and reinforce the Feitakien dam (constructed using Japanese grant aid in 1980) for supplying drinking water to Cambodian refugees and local residents, and for obtaining water for irrigation facilities damaged by local terrestrial rains	Nov. 16, 1983	1.55	1983	Expediting the execution (Survey)	Nov. 27 ~ Dec. 7, 1983	(2)	(659)
					Cumulative total				659
30	Project to Reinforce Anti-flooding Measures in Bangkok	To provide the urgently needed drainage pumps for protection against flooding in Bangkok during the annual rainy season	Apr. 2, 1984	3	1984	Expediting the execution (Survey)	Apr. 22 ~ 28, 1984	2	417
					Cumulative total				417
31	Project to Establish a National Health Laboratory	As part of its fifth Five-year National Economic and Social Development Project, the Thai government planned to eradicate major diseases by improving local medical services. To achieve these objectives, the government considered promoting health studies, and reinforcing testing and development in disease prevention techniques, not only for training the so called bare-footed doctors in rural areas. For this purpose, the Japanese government established a laboratory to study the causes of epidemics, and to analyze foods, chemicals and toxic substances.	Jun. 8, 1984	24.5	1983	Basic design	Nov. 15 ~ Dec. 7, 1983	8	} Development survey
			Jul. 10, 1985	14.56	1983	Explanation of reports	Feb. 27 ~ Mar. 7, 1984	6	

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
32	Project for East Coast Environmental Development and Preservation	As part of its fifth Five-year Economic Development Project, the Thai government planned to develop and use domestic sources of energy, and direct the country to becoming a semi-industrialized one in terms of its industrial infrastructure. As part of this plan, the government decided promote the industrial development of the east coast of the country (mainly in heavy and chemical industries). At the same time, the government feared the environmental pollution (i.e., air and water pollution ) caused by industrialization. The Japanese government, therefore, provided monitoring and survey equipment for continuous monitoring and ongoing surveys on the environment.	Jun. 8, 1984	1.2					
33	Project to Expand the King Mongkut Institute of Technology	As part of its fifth Five-year Social and Economic Development Project, the Thai government planned to convert its conventional industrial infrastructure (dependent on agriculture) into a semi-industrialized one. For this purposes, the King Mongkut Institute of Technology, Thailand's only independent engineering university, urgently needs to improve its capabilities as a training center. The number of departments will increase from four to eight by 1990, and the Japanese government will establish a lecture hall and laboratory to help accommodate the growing student enrollment,	Jul. 16, 1984	8.44	1983	Basic design	Aug. 7 ~ 27, 1983	6	} Development survey
			Jul. 10, 1985	28.60	1983	Explanation of reports	Oct. 23 ~ Nov. 1, 1983	3	

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		and will provide equipment (in three terms) during fiscal years 1984 to 1986.							
34	Project to Construct a Social Education and Cultural Center	As part of its fifth Five-year Social and Economic Project, the Thai government planned a balanced growth between economic, educational, and cultural activities. However, the inadequate facilities for social education and cultural activities forced people to use cathedrals and schools to conduct such activities. Consequently, the Thai government planned to establish an education and cultural center where traditional Thai culture and arts could be introduced to the nation, lectures on Thai history and culture could be given, and where international culture and arts could be introduced. The Japanese government constructed this facility (in three terms) during fiscal years 1984 to 1986.)	Jul. 16, 1984	12.03	1982	Preliminary survey	Sep. 12 ~ 19, 1982	4	} Development survey
			Jul. 10, 1985	21.34	1982	Preliminary survey	Jan. 25 ~ 29, 1983	5	
					1983	Basic design	Sep. 25 ~ Oct. 14, 1983	12	
					1983	Basic design	Nov. 30 ~ Dec. 9, 1983	7	
					1983	Explanation of reports	Feb. 5 ~ 11, 1984	5	
					1986				966
					Cumulative total				966
35	Project to Expand the Rayong Ocean Cultural Center	Because a 200-nautical mile territorial zone was imposed by neighbouring countries, the Thai fishing industry is facing the problems posed by restricted fishing grounds and exhausted fishing resources in the Gulf of Siam. Consequently, industry officials have been urging the immediate implementation of countermeasures. The Thai government planned to conduct a survey and analyze fishery resources to preserve such resources as part of an ocean fishery development plan.	Sep. 17, 1984	9.35	1983	Preliminary survey	Dec. 11 ~ 21, 1983	3	} Development survey
					1983	Basic design	Mar. 11 ~ 31, 1984	7	



No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
		The activities based on this plan are practical and include the following: visiting the plant and inspecting the work environment, checking the health of workers, and conducting research. The Japanese government provided environmental measuring instruments, medical diagnosis equipment, and safety items needed for these activities.							
38	Project to Construct the National Laboratory for Livestock Health	The most serious impediment to stock breeding is diseases that kill livestock and reduce productivity. Epidemics of diseases in Thailand can be attributed to the undeveloped hoof-and-foot disease prevention system (including survey, diagnosis, and an information network), and weather conditions (high temperature and humidity) under which pathogens flourish. The Thai government, therefore, planned to establish a new laboratory as a base to improve related technical capacities and to relay technical results (accumulated at the center) to local areas to inform personnel in charge of livestock health of the latest developments. The Japanese government provided aid to construct the center and provided equipment.	Mar. 7, 1985	17.85	1984	Preliminary survey	Jul. 15 ~ 27, 1984	4	} Development survey
			Jul. 10, 1985	5.72	1984	Basic plan	Sep. 19 ~ Oct. 9, 1984	7	
					1984	Explanation of reports	Dec. 18 ~ 25, 1984	4	

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)	
39	Project to Establish a Training Center for Local Agricultural Cooperatives	The Thai government planned to establish a training center for local agricultural cooperatives to cope with the growing gap between urban and rural areas regarding socioeconomic conditions. This plan was part of a collective policy to eradicate poverty in rural areas. The government planned to train many cooperative leaders and increase the number of cooperative members. The government also planned to promote agricultural cooperative activities through farmer organizations, and effectively improve agricultural productivity. Thus, the Japanese government constructed the center and provided machinery and equipment.	Mar. 7, 1985	5.98	1984	Basic design	Sep. 2 ~ 18, 1984	5	} Development survey	
					1984	Explanation of reports	Dec. 11 ~ 18, 1984	4		
					1986					1,455
					Cumulative total					1,455
40	Project to Construct a Waterworks Technical Training Center	To construct a central training center for waterworks engineers and to provide the necessary materials and equipment	Jul. 10, 1985	11.73	1984	Basic design	Jan. 8 ~ 28, 1985	7	} Development survey	
					1984	Explanation of reports	Apr. 7 ~ 13, 1985	3		
					1986					546
					Cumulative total					546
41	Project to Expand Activities at Occupational Training Centers	To provide equipment and vehicles necessary for expanded activities at the occupational training centers in three provinces	Apr. 11, 1985	3.1	1985	Expediting the execution (Survey)	May. 13 ~ 18, 1985	((2))	((370))	
					Cumulative total				370	
42	Project to Construct an Industrial Development Research	To establish a main laboratory for engineering industrial development to achieve the domestic manufacturing of agricultural machinery,	Oct. 4, 1985	10.04	1984	Basic design	Jan. 14 ~ Feb. 2, 1985	9	} Development survey	
					1985	Explanation of reports	Jul. 3 ~ 9, 1985	4		

No.	Project name	Summary of project	E/N date signed	Amount of money (100 million yen)	Year of survey	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
	Institute for Metal Processing Machines	electric appliances, and construction machinery			1985	Explanation of reports	Jul. 30 ~ Aug. 7, 1985	2	
43	Project to Establish the Channel 11 TV Station	To establish a TV transmission station in Bangkok as the base of a nationwide TV network and the channel 11 TV station			1985	Preliminary survey	Mar. 31 ~ Apr. 11, 1986	4	2,387
					1986				35,113
					Cumulative total				37,500
44	Project to Control Vermin and Predict Damage due to Vermin				1985	Expediting the execution (Survey)	May. 13 ~ 18, 1985	((2))	((370))
					Cumulative total				370
45	Project to Construct a Maize Quality Improvement Center	To construct a laboratory and facilities to improve the quality of maize grown in Thailand			1985	Basic design	Apr. 9 ~ May. 1, 1986	7	2,141
					Cumulative total				2,141
46	Project to Provide Electric Power for Remote Areas	To provide the equipment necessary to provide electric power (using solar energy) for remote rural villages	Apr. 11, 1985	4.83	1985	Expediting the execution (Survey)	May. 13 ~ 18, 1985	((2))	((370))
					Cumulative total				370
47	Survey on Construction Comparisons	A survey was conducted on the cost of materials, unit cost for collective construction costs, and local procurement and import conditions regarding the construction work being done in Thailand.			1981	Expediting the execution (Survey)	Apr. 4 ~ 17, 1982	6	4,080
					1982	Expediting the execution (Survey)	---	---	1,082
					Cumulative total				5,162
48	Survey on Actual Conditions of Local Procurement etc.	(The Philippines, Thailand) A survey was conducted on the actual conditions of local procurement, etc.			1985	Basic design	Nov. 18 ~ 30, 1985	(2)	(4,555)
					Cumulative total				4,555



Name of programme or item	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Total
Project to Construct the Nakhon Sri Thammarat Fishing Port	1986		7,616					7,616
	Cumulative total		7,616					7,616
Project to Construct the Ayutthaya History and Data Museum	1986		16,501					16,501
	Cumulative total		16,501					16,501
Consultation on Grant Aid Projects	1986		729					729
	Cumulative total		729					729
Maize Quality Improvement Plan	1986		26,062					26,062
	Cumulative total		26,062					26,062
Project to Construct a Lecture Hall at the King Mongkut Institute of Technology	1986		823					823
	Cumulative total		823					823
Project to Construct the Ubon Occupational Training Center	1986		16,762					16,762
	Cumulative total		16,762					16,762
Others	- 1983		2,000					2,000
	Cumulative total		2,000					2,000
(Total of Grant Aid Projects)			(152,140)					(152,140)

[Technical Cooperation for methods of development cooperation]  
Survey on the basis of development

Project name	Summary of project	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
Maize Development Cooperation Project	The Japanese government studied the feasibility of increasing its technical cooperation, and the method of providing cooperation in terms of funding and techniques (based on previous grant aid and considering future technical cooperation in the maize development project, and based on the development survey conducted in March of 1985). To formulate a concrete policy, the Japanese government studied irrigated cultivation techniques, problems of organizing distribution, and their solutions. Japan also held discussions with the Agricultural Cooperatives Federation of Thailand (ACFT) and the Bank of Agriculture and Agricultural Cooperatives (BAAC) to further develop ongoing projects to improve cooperation between agricultural cooperatives according to a detailed plan. Japan also surveyed the local conditions of all agricultural projects involving agricultural cooperatives.	1974	Survey on development	Mar. 3 ~ Apr. 1, 1975	8	5,381
		1975	Project survey	(Preparation of reports)		590
		1976	Project survey	Sep. 17 ~ Oct. 2, 1976	5+(2)	4,465
		Cumulative total				10,436
Cooperation to Develop Unused Wood	(Malaysia, Thailand) See the section on Asia in general for details.	1978	Preliminary survey	Apr. 1 ~ 30, 1979	(6)	(2,690)
		1979	Preliminary survey	(Preparation of reports on the above)		(418)
		1979	Preliminary survey	(Survey of the previous year)		(198)
		Cumulative total				3,306
Cooperation in Advantageous Crop Cultivation Development	The area surrounding Rangoon (near Chiang Mai) is used mainly to grow rice. Introducing cultivation techniques involving a short cultivation period is urgently needed in this area to increase farmer income based on solid management. In cooperation with interested enterprises involved in sesame and boom cypres production there, a feasibility survey on cultivation was conducted, proposed development sites were investigated and roughly determined, and the basic development concept was formulated.	1979	Preliminary survey	May. 30 ~ Jun. 13, 1979	6	4,409
		Cumulative total				4,409

Project name	Summary of project	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
Survey on Project to Improve Related Facilities for Tungsten Mine Development	Toyoda Thailand Co. (TTC) was developing a tungsten mine 50 km west of Chaing Mai (northern Thailand), and was searching for tin and tungsten deposits. Some deposits were already located. Because this exploration was to continue, TTC decided on a scale of operation in 1982 to initiate actual operations. A survey was necessary to ensure the smooth development of TTC's tungsten mine. This survey was conducted to carry out technical and economic inquiries and proposals concerning the project to improve road, canal and mine facilities for which funding may be provided through JICA. Also, this survey was conducted to help develop the local economy and improve the welfare of local residents.	1979	Survey on related facilities improvement	Jan. 22 ~ Mar. 16, 1979	7	19,490
		1979	Survey on related facilities improvement	Preparation of reports on the above, technical cost		27,647
						47,137
Survey on Project to Develop Coffee Cultivation	This survey was conducted to determine how the experimental project on cultivating Arabian coffee in Thailand was to proceed (because Thailand's technical level regarding coffee cultivation is low). In fiscal year 1980, the Japanese government conducted a survey on coffee cultivation after conducting a survey on the production, processing and distribution of coffee to determine other operational and cultivation projects.	1980	Development project survey	Feb. 14 ~ 25, 1981	7	6,279
		1981	Development project survey	(Preparation of reports)		332
		Cumulative total				6,611
Cooperation in Developing Uses of Wood Fuel Energy	(Thailand, Nepal) See the section on Asia in general for details.	1984	Preliminary survey	Jun. 10 ~ 24, 1984	(6)	(3,028)
		Cumulative total				3,028
Cooperation for Developing Special Forestry Projects in Southeast Asia	(Singapore, Malaysia, Thailand) See the section on Asia in general for details.	1985	Preliminary survey	Nov. 8 ~ Dec. 3, 1985	(4)	(1,173)
		Cumulative total				1,173

Project name	Summary of project	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
Financial Cooperation for Agricultural Development	(Malaysia, Thailand) See the section on Asia in general for details.	1975	Financial cooperation	Oct. 14 ~ Nov. 2, 1985	(3)	(894)
		Cumulative total				894
Financial Cooperation for Agricultural Development	(Thailand, Australia) See the section on the World in general for details. (Vol. III)	1975	Financial cooperation	Nov. 22 ~ Dec. 8, 1975	(4)	(1,666)
		Cumulative total				1,666
Financial Cooperation	(Malaysia, Thailand) See the section on Asia in general for details.	1976	Financial cooperation	Nov. 7 ~ 21, 1976	(3)	(861)
		Cumulative total				861
Financial Cooperation for Agricultural Development	(Indonesia, the Philippines, Thailand) See the section on Asia in general for details.	1977	Financial cooperation	Oct. 4 ~ 25, 1977	(5)	(1,011)
		Cumulative total				1,011
Financial Cooperation for Mining Industry	(The Philippines, Thailand) See the section on Asia in general for details.	1977	Financial cooperation	Oct. 12 ~ 29, 1977	(3)	(1,082)
		Cumulative total				1,082
Financial Cooperation for Agricultural Development	(Indonesia, Thailand) See the section on Asia in general for details.	1979	Financial cooperation	Jun. 25 ~ Jul. 9, 1979	(4)	(1,201)
		Cumulative total				1,201
Financial Cooperation	(The Philippines, Thailand) See the section on Asia in general for details.	1980	Financial cooperation	Aug. 12 ~ 24, 1980	(4)	(1,056)
		Cumulative total				1,056
Financial Cooperation	(Malaysia, Thailand) See the section on Asia in general for details.	1981	Financial cooperation	Nov. 21 ~ Dec. 5, 1981	(3)	(1,354)
		Cumulative total				1,354

Project name	Summary of project	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team Actual expenditure (1000 yen)
Financial Cooperation for Forestry Development	(Malaysia, Thailand) See the section on Asia in general for details.	1982	Financial cooperation	Aug. 2 ~ 16, 1982	(4)	(1,629)
		Cumulative total				1,629
Financial Cooperation	For the "Maize Development Project in Thailand" which was the object of investment and finance, a survey was conducted after the project was financed. The Government of Japan conducted a survey to confirm the evaluation results of the related development cooperation training. This development cooperation training included the actual results of 106 trainees accepted since this training began in 1976.	1982	Financial cooperation	Nov. 23 ~ Dec. 4, 1982	(4)	(2,645)
		Cumulative total				2,645
Financial Cooperation for Agricultural and Forestry	(Thailand, Sri Lanka) An explanation meeting on the investment and finance system was held.	1982	Financial cooperation	Feb. 27 ~ Mar. 14, 1983	(3)	(1,434)
		Cumulative total				1,434
Financial Cooperation for Agricultural Development	(Thailand, Sri Lanka) See the section on Asia in general for details.	1983	Financial cooperation	Sep. 6 ~ 20, 1983	(4)	(1,784)
		Cumulative total				1,784
Financial Cooperation for Forestry Development	Preliminary Survey on the development and experimental Project for parawood and collected materials in Thailand, and post-investigation on financing for the Chaing Mai Test Afforestation Project	1983	Financial cooperation	Sep. 3 ~ 17, 1983	(4)	(3,159)
		Cumulative total				3,159
Financial Cooperation for Agricultural Development	(The Philippines, Thailand) See the section on Asia in general for details.	1985	Financial cooperation	Oct. 15, ~ 26, 1985	(4)	(1,269)
		Cumulative total				1,269

Instructions on Method of Cooperation for Technical Development  
(No. 1 Dispatching experts)

## Specialists

Project name	Fiscal year	Number of specialists	Terms of dispatching	Actual expenditures (1000 yen)	Contents of technical instructions
Maize Development Cooperation	1978	1	Mar. 31 - 1979 - Mar. 30, 1980	640	Improvement of agricultural cooperative organizations (maize distribution route)
	1979			10,375	
Maize Development Cooperation	1980			1,045	
	Cumulative total			12,060	
Coffee Cultivation	1983	1	Apr. 8 - Apr. 22, 1984 dispatched under "1983 budget"	732	Instructions on arabian coffee cultivation control and prevention of harmful insect pests
	Cumulative total			732	

## (No. 2 Accepting trainees)

## Trainees

Subject of training	Fiscal year	Number of members	Training team	Training site	Actual cost (thousand yen)
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1974	3	Mar. 5 - Mar. 28, 1975	Asian Agricultural Cooperative Promotion Organization	1,134
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1975	10	Jun. 17 - Jul. 16, 1975	Asian Agricultural Cooperative Promotion Organization	4,508
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1976	15	Jun. 15 - Jul. 14, 1976	Asian Agricultural Cooperative Promotion Organization	7,179
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1977	15	Jun. 13 - Jul. 13, 1977	Asian Agricultural Cooperative Promotion Organization	8,548
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1978	15	Jun. 25 - Jul. 25, 1978	Asian Agricultural Cooperative Promotion Organization	9,400

Subject of training	Fiscal year	Number of members	Training team	Training site	Actual cost (thousand yen)
Leader Training Course for "agricultural development through agricultural cooperative" Projects	1979	15	Jul. 1 - Jul. 31, 1979	Asian Agricultural Cooperative Promotion Organization	11,272
	Cumulative total				42,041
Agricultural Development in Conjunction with Agricultural Cooperatives	1980	15	Jun. 24 - Jul. 23, 1980	Asian Agricultural Cooperative Promotion Organization	12,423
	Cumulative total				12,423
Promotion of Agricultural Cooperatives	1981	20	Jul. 6 - Aug. 7, 1981	Asian Agricultural Cooperative Promotion Organization	18,211
	Cumulative total				18,211
Project Leader Training Course for Agricultural Development Project in Conjunction with Agricultural Cooperative (Maize Development)	1982	10	Jul. 23 - Aug. 23, 1982	Asian Agricultural Cooperative Promotion Organization	11,671
Project Leader Training Course for Agricultural Development Project in Conjunction with Agricultural Cooperative (Maize Development)	1983	3	Aug. 21 - Sept. 20, 1983	Asian Agricultural Cooperative Promotion Organization	3,942
Project Leader Training Course for Agricultural Development Project in Conjunction with Agricultural Cooperative (Maize Development)	1984	2	Oct. 15 - Nov. 14, 1984	Asian Agricultural Cooperative Promotion Organization	3,790
	Cumulative total				19,403

(NATION) Thailand

(Unit: 1000 yen)

Project of plan	Fiscal year	Trainees	Survey team	Experts	Cooperating volunteers	Equipment supply	Other	Total
Experimental Project for Effective Use of Lotus	1986		6,780					6,780
	Cumulative total		6,780					6,780
(Total of Development Cooperation Programmes)		(92,078)	(103,925)	(12,792)				(208,795)
(Total of all Programmes)		(8,560,750)	(17,939,704)	(17,992,564)	(584,295)	(13,663,833)	(1,156,644)	(59,897,790)



