

STATISTICS ON CUMULATIVE EXPENDITURE OF JICA TECHNICAL COOPERATION  
BY PROJECT IN THE REPUBLIC OF THE PHILIPPINES

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BY PROJECT IN THE REPUBLIC OF THE PHILIPPINES

- (NOTES) (1) The data herein describe the cumulative expenditure for JICA Technical Cooperation made in the Republic of the Philippines as well as a breakdown thereof by activity, project, and type of cooperation starting from the fiscal year in which JICA's technical cooperation was initiated for that country to fiscal year 1987.
- (2) The compiled data has been based on both the "JICA Economic and Technical Cooperation Performance by Country (as of the end of fiscal year 1985", and actual performance for fiscal 1987, etc.
- (3) In the rearrangement of the budgetary accounts, some differences in the statistical compilation procedures for each project before and after fiscal 1981, etc. have resulted in deviations to some extent between the cumulative amount of each project as of the end of fiscal 1987 described in "JICA Economic and Technical Cooperation Performance" (Reference Data No. 107) and the data contained in this document.
- (4) Various codes and symbols used herein are further described in the attachment immediately following this page.

(Reference Data)

- . Table of JICA Activities Performance (as of March 31, 1988: Reference Data No. 107)
- . Table of JICA Performance by Project (Reference Data Nos. 74, 77, 78, 84, 94, and 108)
- . JICA Economic and Technical Cooperation Performance by Country

(First Volume, Fiscal 1954 - 1985)

December 1988

Information and Statistics Division, General Affairs Department

Description of Codes and Symbols Used in This Document

- Performance of grant aid assistance (such as reparations, etc.)
- Experts dispatched for project technical cooperation, such as the Technical Cooperation Center Programme, whose expenses were covered by the Expert Dispatch Programme of JICA
- ... Unidentifiable
- ) Cost allocation of the actual total amount spent on surveys, etc., conducted on a plural number of countries simultaneously through simple averaging of the total
- ( ) The number of survey team personnel who conducted surveys on two or more projects at one time in a country, or the expenses incurred on such an occasion
- + ( ) Participating personnel from the locality
- f ( ) Foreign Ministry personnel who went on the trip
- (A) The number of experts covered by the funds for dispatching university teaching staff, and the amount of expenses thus incurred
- (B) Expense for preparing the implementation programmes
- (C) Expenses incurred for technical matters
- (D) Expenses for preparing reports
- (E) Expenses incurred in the on-site operations
- (F) Compensatory payments to personnel who forfeited salaries and wages from their employers by participating in the surveys, etc.
- (G) Expenses incurred from transporting the equipment
- (H) Expenses for providing equipment on case-by-case basis
- (I) Aftercare survey
- (J) Special project survey
- (K) Project research survey
- (L) Project formulation basic survey
- (M) Aid evaluation survey
- (N) Survey by Overseas Development Plan Survey Team
- (O) Survey by Basic Resources Development Cooperation Survey Team

Name of programme or item	Fiscal year	Trainees	Experts	Survey team	Volunteers	Equipment Supply	Other	Total
(Training Programme for Overseas Trainees)	-1983	3,864,108		19,693				3,883,801
	1984	570,517		5,447				575,964
	1985	676,002		6,491				682,493
	1986	692,056		9,938				701,994
	1987	769,093		10,594				779,687
	Cumulative Total		6,571,776		52,163			
(Total for Trainee Acceptance Projects)		(6,571,776)		(52,163)				(6,623,939)
(Expert Dispatch Programme)	-1983		2,071,916			329,489		2,401,405
	1984		393,030			106,390		499,420
	1985		386,313			62,823		449,136
	1986		308,552	1,176		47,916		357,644
	1987		324,496	1,031		27,181		352,708
	Cumulative Total			3,484,307	2,207		573,799	
(Total for Projects Requiring the Dispatch of Technical Advisers)			(3,484,307)	(2,207)		(573,799)		(4,060,313)
(Equipment Supply Programme)	-1983			2,599		354,187		356,786
	1984					61,140		61,140
	1985			5,289		73,619		78,908
	1986			1,917		18		1,935
	1987			1,191		63,793		64,984
	Cumulative Total				10,996		552,757	
(Total for Equipment Supply Programme)				(10,996)		(552,757)		(563,753)
(Youth Invitation Programme)	-1984	161,770		3,907			18,125	183,802
	1985	186,630		4,524			14,827	205,981
	1986	184,098		4,082			16,825	205,005
	1987	178,054		3,866			15,164	197,084
	Cumulative Total	710,552		16,379			64,941	791,872
(Total for youth invitation programme)		(710,552)		(16,379)		(64,941)	(791,872)	

Name of programme or item	Fiscal year	Trainees	Experts	Survey team	Volunteers	Equipment Supply	Other	Total
(Cooperation Project for Disaster Relief, etc)	-1986		1,627			4,390		6,017
	1987							
	Cumulative Total		1,627			4,390		6,017
(Total of Cooperation Project for Disaster Relief, etc)			(1,627)			(4,390)		(6,017)
(Public Welfare Programme for Experts)	-1983			1,366			126,058	127,424
	1984			594			20,460	21,054
	1985			1,517			25,053	26,570
	1986						35,060	35,060
	1987				358		30,350	30,708
	Cumulative Total				3,835		236,981	240,816
(Total for Public Welfare Programme for Experts)				(3,835)		(236,981)		(240,816)
(Programme for Recruiting and Training Experts)	-1983			15,850			406,378	422,728
	1984			390			69,311	69,701
	1985						70,733	70,733
	1986						91,229	91,229
	1987						99,376	99,376
	Cumulative Total				16,240		737,527	753,767
(Total for Programme for Training and Retaining Experts)				(16,240)		(737,527)		(753,767)
(Volunteer Dispatch Programme)	-1983			18,354	3,147,379	379,903		3,545,636
	1984			2,009	315,917	16,891		334,817
	1985			830	391,682	8,040		400,552
	1986			2,422	312,086	20,445		334,953
	1987			2,161	320,597	13,715		336,473
	Cumulative Total			25,776	4,487,661	438,994		4,952,431
(Total for Volunteer Dispatch Programme)				(25,776)	(4,487,661)	(438,994)		(4,952,431)

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)			
							On-going	New						
NACIDA Center  Type of agreement: Agreement  Date signed: 9.29, 1966  Cooperation term: 9.-, 1966 9.-, 1970  Opening ceremony: 10.7, 1969	In order to rapidly promote medium and small sized enterprises which utilize and process abundant domestic natural resources which have not necessarily been fully utilized conventionally due to reasons such as insufficient development of production technology and mechanisms and insufficient technicians, the Philippine government modified its government organization in 1962 and established NACIDA under the authority of the Commerce and Industry Ministry. This NACIDA determined a policy to establish the NACIDA Center and intends to foster technicians and small-sized industry managers by technically training various professionals by introducing new technology and facilities from foreign countries, and it asked Japan for technical assistance in the establishment of the NACIDA Center. Japan dispatched a preliminary survey team in March, 1965 and an execution survey team in November, 1965 respectively and determined a policy for establishing this Center. In addition on September 29, 1966, the treaty concerning the establishment of this Center was formally signed in Japan at the attendance of Prime Minister Satoh and President Marcos. This Center intended to foster small-sized industry managers and technicians and to contribute to the Development of the Philippine economy.	1964	Preliminary survey		...	...								
		1965	Field survey		4	2,041							2,041	
		1966					-	-	409		49,907		50,316	
		1967					-	10	25,811		7,775		33,586	
		1968					9	1	37,333				37,333	
		1969					10	-	41,896				41,896	
		1970					10	5	42,922		24,181		67,103	
		1971					9	-	28,796		16,847		45,643	
		1972	Evaluation (survey)			2)	1/ (287)	9 (*9) change	*1	12,974		25,565	(287)	38,539
		1973		1965		2	1,061	*2	-	370				1,431
		1974						*2	-	...				...

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)														
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items		Expenditures (1,000 yen)													
							On-going	New																	
		Cumulative total				3,389			190,511	124,275	318,175														
	<p>If adopted the following five job categories (1) casting and small size machine parts manufacture, (2) ceramic industry, (3) fiber working and fabric making, (4) bamboo works and wistaria works and (5) wooden works as professional training. As the training method, (6) research and consultation was added to these five categories, resulting in 6 departments and they were executed in 3 courses: (a) technical training course, (b) management training course and (c) NACIDA's instructor training course.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <thead> <tr> <th>Fiscal year</th> <th>'70</th> <th>'71</th> <th>'72</th> <th>'73</th> <th>'74</th> </tr> </thead> <tbody> <tr> <td>No.</td> <td>1</td> <td>4</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	Fiscal year	'70	'71	'72	'73	'74	No.	1	4	1	1	1												<p><u>1/</u> Evaluation survey of 2 centers of the Philippine small-sized industry center and the Singapore prototype production training center. Refer to Asia in general. The expense was born equally.</p>
Fiscal year	'70	'71	'72	'73	'74																				
No.	1	4	1	1	1																				



Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
<p>Technical Cooperation for Establishment of the Ceramic Research and Development Center.</p> <p>Type of Agreement: R/D</p> <p>Date signed: (Initial) 7.16, 1976 - 7.15, 1980</p> <p>(Extension) 7.16, 1980 - 7.15, 1982</p> <p>(Extension) 7.16, 1982 - 3.31, 1983</p> <p>(I) 4.1, 1986 - 4.25, 1987</p>	<p>The Philippine government made a policy to develop the local economy and to promote employment as part of the local development plan by establishing nationwide a plant for manufacturing red brick and roof tile under a low-cost house construction plan using domestic materials and supplying its products as the construction material. With this movement, the Philippine government planned the establishment of a ceramic research and development center whose function is to perform research and development in the ceramic field and to promote the local ceramic industry and also to foster the required members by modifying and enlarging the ceramic department of the industrial research center of the existing national science and technology research institute. The Philippine Government asked for Japan's cooperation in August, 1972. In responding to this request, Japan executed 6 years of technical cooperation up to July, 1982 since the signature of RID in July, 1976. In addition, as a result of the evaluation survey in June, 1982, cooperation was continued centering on manufacturing technology and it ended on March 31, 1983. This center was smoothly operated by self-sustaining efforts on the Philippine side after the completion of Japan's cooperation and it continued to promote the development of local industry in the Philippines. It was determined, however, that technical follow-up on</p>	1975	Preliminary survey	9.14, 1975 - 11.2, 1975	3	1,981						1,981	
		1976				(D) 182							8,589
		"	Field survey	6.28 1975 - 7.18, 1976	5	3,807	-	3	3,749		(G) 851		
		1977						-	9	27,380		155,284	182,664
		1978	Itinerant Technical Advisory survey	7.7, 1978 - 7.23, 1978	4	2,402	8	6	54,179			63,825	120,406
		1979	Equipment Repair	2.29 - 3.10, 1980	4	2,996	7	4	59,598			39,168	101,762
		1980	Evaluation survey	5.1, 1980 - 5.15, 1980	4	2,361	7	4	70,126	Electrical welding machine and vacuum type soil stirring machine	(G) 1,806	6,600	80,893
		1981					(D) 169						81,276
		"					(B) 71	5	7	59,866	Accessories for analysis equipment	(G) 2,833	

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)																		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)																			
							On-going	New																						
	<p>damaged equipment, or insufficiency of parts, maintenance of the equipment requiring advanced technology, difficult repairs and counterparts were necessary. For this reason, Japan dispatched the after-care survey team in 1986, 3 years after completion of the cooperation period, and executed after-care cooperation, including the supply of parts for the existing equipment, instruction in maintenance and control of existing equipment and supplementary technical instruction in the existing cooperation field, in order to examine the current status of this center and enhance the effect of existing cooperation work. In 1987, Japan dispatched 2 specialists for a short period for installation of delivered after-care equipment and instruction in maintenance and control of the equipment.</p> <p>[Number of counterparts accepted]</p> <table border="1" data-bbox="608 1428 1098 1554"> <tr> <td>Fiscal year</td> <td>'76</td> <td>'77</td> <td>'78</td> <td>'79</td> <td>'80</td> </tr> <tr> <td>No.</td> <td>5</td> <td>6</td> <td>5</td> <td>6</td> <td>4</td> </tr> </table> <table border="1" data-bbox="608 1575 890 1701"> <tr> <td>Fiscal year</td> <td>'81</td> <td>'82</td> </tr> <tr> <td>No.</td> <td>5</td> <td>4</td> </tr> </table>	Fiscal year	'76	'77	'78	'79	'80	No.	5	6	5	6	4	Fiscal year	'81	'82	No.	5	4	1982	Evaluation (survey)	6.22, 1982 - 7.6, 1982	4	3,363	6	6	52,288	Heat generating unit for electric furnace, hydraulic press and vacuum type soil stirring machine	28,367	84,018
		Fiscal year	'76	'77	'78	'79	'80																							
		No.	5	6	5	6	4																							
		Fiscal year	'81	'82																										
		No.	5	4																										
1983					(B) 4	-	-	939			943																			
1986	(I)	9.29, 1986 - 10.8, 1986	4	2,748	-	2	2,880	X-ray generating machine parts, thermal expansion meter parts etc.	20,632	26,260																				
1987	(I)				-	1	2	1,012	-	285	1,297																			
	Cumulative total				20,084			332,017		337,988	690,089																			

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items		Expenditures (1,000 yen)	
							On-going	New					
<p>The Transport Training Center</p> <p>Type of agreement: R/D</p> <p>Date signed: 4.12, 1987</p> <p>Cooperation term:</p> <p>(Initial) 4.12, 1977 - 4.11, 1981</p> <p>(Extension) 4.12, 1981 - 4.11, 1983</p> <p>(Follow-up) 4.12, 1983 - 4.11, 1984</p> <p>Cooperating organization in Philippines: The Transportation and Communication Ministry, The Public Work Road Ministry, etc.</p>	<p>The Philippine government planned the establishment of the transport training center to foster more road traffic specialists since there are not enough of them in the Philippine government agencies, even though the government promotes planning and execution of comprehensive city traffic schemes to respond to traffic problems caused by rapid urbanization, and it asked Japan for cooperation. Responding to this request Japan provided 3 training courses: traffic planning, traffic traffic engineering and traffic control, for 4 years since April, 1977 and implemented the theoretical and practical training. As a result of the evaluation performed in October, 1980 prior to completion of the cooperation, it was agreed with the Philippine government that the cooperation period would be extended 2 more years to further enlarge the project and promote qualitative improvement of the counterparts. As a result of the second evaluation performed in November, 1982, although the technical level of the counterparts has been improved considerably, Japan dispatched 2 specialists limited to this aspect and executed follow-up cooperation for 1 year because transfer of the traffic-related technology utilizing the computer was delayed.</p>	1975	Preliminary survey	2.9, 1976 - 2.26, 1976	4	2,391						2,391	
		1976					729						3,563
		"	Field survey	3.29, 1977 - 4.15, 1977	5	2,834							
		1977					473	-	14	20,347		74,970	95,790
		1978					694	7	23	82,196		272,120	355,010
		1979	Itinerant Technical Advisory survey	11.7, 1979 - 12.1, 1979	4	3,436	9	29	103,751		174,670	281,857	
		1980	Evaluation survey	10.6, 1980 - 10.19, 1980	5	2,503	9	21	97,267	Sensor, signal machine & data processing analysis program	(G)1,568 21,486	122,824	
		1981					127	12	15	107,828	Computers, peripheral devices, and sample film for traffic phenomenon analysis	(G)1,245 33,004	142,204

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Cooperating Organization in Japan: The Construction Ministry and The Police Agency	[Number of counterparts accepted]	82	Equipment repair survey	8.8 - 8.20, '82	2	1,754	13	11	112,090	Additional computer system equipment and audio-visual equipment	6,484	125,503	
	<table border="1"> <tr> <td>Fiscal year</td> <td>'76</td> <td>'77</td> <td>'78</td> <td>'79</td> <td>'80</td> </tr> <tr> <td>No.</td> <td>3</td> <td>9</td> <td>4</td> <td>4</td> <td>5</td> </tr> </table>												Fiscal year
	Fiscal year	'76	'77	'78	'79	'80							
	No.	3	9	4	4	5							
			"	Evaluation survey	10.24 - 11.6, '82	5	5,175						
			83	Evaluation survey			(D) 3,001	8	4	41,697	Set of personal computer devices	(G) 3,814 11,315	59,827
		84					2	-	2,586		(G) 196	2,782	
		Cumulative total				23,117			567,762		600,872	1,191,751	

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)												
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)													
							On-going	New																
<p>Technical Cooperation for Establishment of The Metal Casting Technology Center</p> <p>Type of agreement: R/D</p> <p>Date signed: 7.28, 1983</p> <p>Cooperation term: (Initial) 7.28, 1980 - 7.27, 1984 (Extension) 7.28, 1984 - 1.27, 1985</p> <p>Cooperating Organization in Japan: Ministry of Trade and Industry</p>	<p>Although the Philippine government prepared a long-term development plan in 1977 among various economic industries for this purpose, it became essential to develop a casting industry which could be responsible for the provision of machinery machinery facilities and parts as required for the production of industrial machines etc. However, the current operating ratio is significantly low due to insufficient technicians and degradation of casting facilities. For this reason, Japan signed the prior survey in 1979 and RID in 1980 (cooperation period: 4 years) responding to the request for cooperation in industrial modernization made by the Philippine government. The major contents of the cooperation are the introduction of modern casting processes in each cooperation field and the fostering of casting technicians and skilled workers. As a result of the evaluation survey in March 1984, the cooperation period was extended for 1.5 years.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>'81</td> <td>'82</td> <td>'83</td> <td>'84</td> <td>'85</td> </tr> <tr> <td>No.</td> <td>2</td> <td>0</td> <td>4</td> <td>3</td> <td>0</td> </tr> </table>	Fiscal year	'81	'82	'83	'84	'85	No.	2	0	4	3	0	1979	Preliminary survey	7.1, 1979 - 7.15, 1979	5	3,067			654			3,721
		Fiscal year	'81	'82	'83	'84	'85																	
		No.	2	0	4	3	0																	
		1980					(D) 156							16,339										
		"	Deliberation for implementation (survey)	7.16, 1980 - 7.30, 1980	5	3,279	-	4	4,126	High speed sand mixing machine and shell core making machine	(G) 262 8,516													
		1981					(B) 117	1	2	22,481	Air compressor folk lift	(G) 5,433 5,870		33,901										
		1982	Mutual consultation (survey)	12.14, 1982 - 12.23 1982	4	(B) 110 1,785	2	2	30,617	Shell mold making machine and shell core making machine	17,523			50,035										
1983	Itinerant Technical Advisory survey	5.11, 1983 - 5.18, 1983	4	540 1,844	2	14	53,589	Cast sand recovery system	(G) 9,694			185,390												
"	Evaluation survey	3.4, 1984 - 3.10, 1984	5	2,579				Cold chamber MIC, hot chamber MIC, etc.	117,144															

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
		1984	Preparation of report of the same.			3,530	4	11	54,060	Metal mold low pressure casting machine, Tilttable aluminum melting furnace, etc.	(G) 5,744 130,010	193,344
		"	Equipment repair survey	1.20, 1985 - 1.29, 1985	4							
		1985	Itinerant Technical Advisory survey	11.14, 1985 - 11.20, 1985	5	2,214	3	6	36,121	Snap flask insertion mold making machine, Super mixer, etc	(G) 930 27,816	67,081
		1986				147			-		-	147
		Cumulative Total				19,368			201,648		328,942	549,958









Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)																		
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							On-going	New																						
Cooperating organization in Japan: The Ministry of Education, Tokyo Technology University, Nihon University	<p>technology universty) was started. Currently, although a part of the project is operated by the Philippine side itself, Japan extended cooperation through dispatch of specialist over a long period since March 1982 and the complete work (counterpart training) was started in 1983. The student training was started in November 1983. In addition, concerning the point verification problem which had been suspended, "Problem experiment training" in the type of the graduation research was started from November, 1986 for a part of students of the 5th class in the engineering department and the point was formally given.</p> <p>As a result of the evaluation in 1987, the initial R/D period was terminated, since it was confirmed that the objective was attained.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>1982</td> <td>1983</td> <td>1984</td> <td>1985</td> </tr> <tr> <td>No.</td> <td>0</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table> <table border="1"> <tr> <td>Fiscal year</td> <td>1986</td> <td>1987</td> <td></td> </tr> <tr> <td>No.</td> <td>3</td> <td>6</td> <td></td> </tr> </table>	Fiscal year	1982	1983	1984	1985	No.	0	3	3	3	Fiscal year	1986	1987		No.	3	6		1984	Itinerant Technical Advisory Survey	7.31, 1984 - 8.6, 1984	4	2,464	7	-	81,449	Molding grinder, hydrodynamics comprehensive experiment device and scanning microscope	(G)6,614 159,295	249,822
		Fiscal year	1982	1983	1984	1985																								
		No.	0	3	3	3																								
		Fiscal year	1986	1987																										
		No.	3	6																										
1985	Mutual consultation (Survey)	9.19, 1985 - 9.26, 1985	3	1,878	5	8	95,089	Minute hardness tester, data processing device and a personnel computer set	(G)5,137 63,516	165,620																				
1986	Itinerant Technical Advisory Survey	8.27, 1986 - 8.28, 1986	4	2,259	5	17	92,687	Precise lathe and shape grinder	56,892	151,838																				
1987	Evaluation (Survey)	5.8, 1987 - 6.5, 1987	5	4,906	9	12	62,432	Optical fiber communication equipment	55,777	123,115																				
	Equipment repair (Survey)	6.29, 1987 - 7.8, 1987	2																											
	Cumulative total				26,673			385,450		354,071	766,194																			





Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Cooperating organizations in Japan: Agriculture and Fisheries Ministry, Construction Ministry and Ministry of International Trade and Industry	The evaluation survey team was dispatched in May, 1987 and except for program 4, for which the technical transfer has almost been completed, the cooperation has been extended to March, 1990 centered on programs 1, 2 and 3, which will require continuous cooperation.  [Number of counterparts accepted]	1984			-	-	10	11	144,834	Platinum wire, gas detector, video camera set, etc.	(G)7,434 3,867	156,135	
		1985	Itinerant Technical Advisory Survey	2.12, 1986 - 2.22, 1986	6	3,911	13	20	164,878	A computer set, electric constant temperature drier, etc.	(G)9,803 37,131	215,723	
		1986	Mutual consultation (Survey)	9.8, 1986 - 9.17, 1986	5	3,327	13	22	169,550	Diesel generator, visual and audio equipment, etc.	74,905	247,782	
		1987	Evaluation (Survey)	5.5, 1987 - 6.6, 1987	8	4,415	13	23	150,167	Hydraulic equipment, universal tester, etc.	28,500	183,182	
		Cumulative total					35,638			733,225		189,056	957,919

Fiscal year	'82	'83	'84	'85	'86	'87
No.	4	16	25	18	14	14









Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
<p>The Occupational Safety and Health Center</p> <p>Type of agreement: R/D</p> <p>Cooperation term: (Initial)</p> <p>4.1, 1988 - 3.31, 1993</p> <p>Cooperating organization in Philippine Ministry of Labor and Employment</p> <p>Cooperating organization in Japan: Ministry of Labor</p>	<p>In the Philippines, many labor-related hazards occur due to the introduction, etc. of new technology following recent industrialization. For this reason, the Philippine government planned the establishment of a labor safety and sanitary center to perform such tasks as proposals, education, training, information collection, propaganda and prevalence concerning labor safety and sanitation and asked Japan for technical cooperation together with gratuitous fund cooperation. Responding to this request, Japan dispatched a prior survey team in August, 1985. In July, 1987, the prior survey team was dispatched again and based on this survey result, the execution discussion team was dispatched in January, 1988 and an R/D was signed. The cooperation period is 5 years from April, 1988 and 4 long-term specialists were dispatched in the middle of May.</p> <p>Incidentally, this center consists of 4 departments; (1) health control department, (2) environment control department, (3) safety control department and (4) training and propaganda department, and technical cooperation is extended to each department.</p>	1985	Pre-liminary survey	8.19, 1985 - 8.28, 1985	6	3,569			34	-	3,603	
		1986				130			-	-	130	
		1987	Pre-liminary survey	6.8 - 6.17, 1987	5							
			Deli-beration for imple-mentation (Survey)	1.27 - 2.6, 1988	6	6,149	-	6	9,341		213	15,703
			Cumu-lative total				9,848			9,375	213	19,436

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Evaluation Survey	(Philippine and Singapore)	1972	Evaluation		2)	(287)						(287)
Survey period of Southeast Asia Circulating Instruction	(Philippine, Malaysia, Singapore and Thailand)	1979	Itinerant Technical Advisory Survey	11.7, 1979 - 12.1, 1979	6)	(859)						(859)

Total of technical cooperation center work

(Survey team)

186,497

(Experts)

3,143,286

(Equipment supply)

2,504,859

Total

5,834,642





Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Polio Countermeasure: R/D Date signed: 5.30, 1967 Cooperation term: Cooperating organization in Japan: National Preventive Sanitary Research Center	As a result of the discussion between the medical cooperation preliminary survey team dispatched in May, 1967 and the Philippine government it was decided that cooperation in this project would proceed by combining supply of the raw vaccine and dispatch of the specialist, since 1967, 13 specialists have been dispatched to administer vaccine medication and instruction in polio virus detection as well as to measure effects.  In addition, raw polio vaccine is being supplied and administered in Greater Manila and the Batangas district in order to cooperate in the crusade against polio.	1967	Contact mission	5.15, 1967 - 6.4, 1967	3	...	-	3	...	Raw polio vaccine (For 250,000 people)	22,396	22,396	
		1968				...	-	3	...	Raw polio vaccine (For 350,000 people)	31,228	31,228	
		1969	Field survey	9.10, 1969 - 9.24, 1969	((4))	...	1	3	...	X-ray vehicle	24,533	24,533	
		1970					2	-	...	Raw polio vaccine	21,708	21,708	
		1971	Mutual consultation (Survey)	6.30, 1971 - 7.17, 1971	((3))	((1,012))					Raw polio vaccine	20,862	((1,012)) 20,862
		1972	Mutual consultation (Survey)	9.10, 1972 - 9.24, 1972	((3))	((881))					Raw polio vaccine	23,265	((881)) 23,265
		1973					-	1	1,583	Raw polio vaccine	(G) 351 25,797	27,731	
		Cumulative total					1,893		1,583			170,140	173,616

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
<p>Schistosomiasis Research</p> <p>Type of agreement: R/D</p> <p>Date signed: 8.22, 1972</p> <p>Cooperation term: (Initial) 8.22, 1972 - 3.31, 1978 (Follow-up) 4.1, 1978 - 3.3, 1981</p> <p>Cooperating organization in Japan</p> <p>National Inventive Sanitary Research Center</p>	<p>The area of the Philippines where schistosomiasis prevails reaches an extremely wide range. Approximately 10% of the whole land area and nearly 500,000 inhabitants are affected by this disease. It is said that several millions of inhabitants are exposed to the danger of infection.</p> <p>The control of this disease is an important economic, social and public sanitary problem in the Philippines and the Philippine government installed the schistosomiasis research center in Palo city of Leite Island under the Ministry of Health as the main organization for fighting this disease. Its activities, however, have not been enough due to various reasons. Accordingly, the Philippine government asked Japan for the cooperation in schistosomiasis research. Responding to this request, in August, 1972, an execution survey team was dispatched by Japan and the related organization at the Philippine side exchanged the discussion minutes.</p> <p>Control problems in the cooperation include : (1) immunological diagnosis method research, (2) research and development of vegetable</p>	1972	Field survey	8.5, 1972 - 8.24, 1972	3	1,579		2	1,360		(G) 378	3,317
		1973						4	10,829	Sprayer	(G)1,582 14,409	26,820
		1974	Evaluation	10.18, 1974 - 11.1, 1974	4	1,787	3	4	10,111	Jeep	(G)1,168 12,804	25,870
		1975					1	8	11,221		(G)1,810	13,031
		1976						9	27,716	Damp truck and binocular microscope	45,850	73,566
		1977	Evaluation	6.19, 1977 - 7.2, 1977	3	1,986	3	13	29,939	Pre-fabricated equipment for research building	(G)3,872 65,693	101,490
		1978					3	2	16,766		(G)1,095	17,861
		1979					2	18	28,045	Freezing drier and generator	(G)4,154 9,230	41,429
		1980	Equipment repair (Survey)	3.17, 1981 - 3.28, 1981	3	(G) 13 1,995	2	4	20,496		(G)5,321 18,644	46,469

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)											
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)												
							On-going	New															
	<p>shell killing agents, (3) research of ecology and distribution of media shell, (4) biological control of media shell, (5) clinical and therapeutic research of brain symptoms type Japanese Schistosomiasis and (6) research cooperation centering on execution of pilot projects, schools and control.</p> <p>The first cooperation period was from 1972 to 1974 and the second cooperation period was from 1975 to 1977 for a total of 6 years of cooperation. In addition, as a result of the dispatch of the evaluation team in 1977, the conclusion was reached that continuous cooperation was required for success in symptoms research counter-measures and follow-up cooperation for 5 years up to 1980 was executed.</p> <p>In addition, in 1984, the dispatch of the survey team and specialist and the supply of required equipment were performed.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>'73-'79</td> <td>'80</td> <td>'81</td> <td>'82</td> <td>'83</td> </tr> <tr> <td>No.</td> <td>21</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> </table>	Fiscal year	'73-'79	'80	'81	'82	'83	No.	21	1	0	0	0	1981	(Preparation of reports on the above)			227					227
		Fiscal year	'73-'79	'80	'81	'82	'83																
		No.	21	1	0	0	0																
		1983	(I)	8.1, 1983 - 8.10, 1983	3	1,587	-	4	5,364		(G) 6,012 16,924	29,887											
		1984				(B) 99				(G) 72 2,659	2,830												
Cumulative total					9,273		161,847		211,679	382,797													

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)																				
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)																					
							On-going	New																								
Institute for Tropical Medicine  Type of agreement: R/D  Date signed: 10.17, 1980  Cooperation term:  (Initial) 10.17, 1980-10.16, 1985  (Extension) 10.17, 1985-3.31, 1988	<p>The Philippine government asked Japan for cooperation for the prevention of controllable diseases among the infectious diseases which prevail in Philippine. Responding to this request, Japan dispatched the prior survey team in 1978 and surveyed the possibility of cooperation. Therefore, in 1980, Japan dispatched the execution discussion team and after the signature of R/D, began its cooperation.</p> <p>Contents of the cooperation are (1) immunological, bacteriological and epidemiological research against diphtheria, portussis and tetanus and (2) bacteriological and epidemiological research on laxative disease.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>'80</td> <td>'81</td> <td>'82</td> <td>'83</td> <td>'84</td> </tr> <tr> <td>No.</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>4</td> </tr> </table> <table border="1"> <tr> <td>Fiscal year</td> <td>'85</td> <td>'86</td> <td></td> </tr> <tr> <td>No.</td> <td>2</td> <td>2</td> <td></td> </tr> </table>	Fiscal year	'80	'81	'82	'83	'84	No.	1	2	3	4	4	Fiscal year	'85	'86		No.	2	2		1978	Pre-liminary survey									
		Fiscal year	'80	'81	'82	'83	'84																									
		No.	1	2	3	4	4																									
		Fiscal year	'85	'86																												
		No.	2	2																												
		1979																														
		1980	Deliberation for implementation (Survey)	10.11, 1980 - 10.18, 1980	4	(B) 995 1,922	-	2	999				3,457																			
		"				(F) 241																										
		1981				373	-	2	7,799		(G) 8,905 34,063		51,140																			
		1982	Mutual consultation (Survey)	7.19, 1982 - 7.24, 1982	5	2,367	-	4	31,030		(G) 10,406		165,453																			
"				(B) 1,753					119,897																							
1983	Detailed design (Survey)	2.5, 1984 - 2.29, 1984	5	(B) 2,609 6,695	3	9	66,630		(G) 10,274 14,689		100,897																					
1984	(Preparation of reports on the above)			7,988	4	6	139,320		(G) 13,427 57,577		218,312																					









Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Clinic Inspection Project Circulating Instruction  Survey terms: 11.12, 1974 - 11.30, 1974	(Indonesia, Philippine and Vietnam)	1974	Itinerant technical advisory survey	11.12, 1974 - 11.30, 1974	4)	(888)						(888)
Medical Equipment Repair Team  Survey terms: 3.30, 1976 - 4.16, 1976	(Indonesia and Philippine)	1975	Equipment repair (Survey)	3.30, 1976 - 4.16, 1976	5)	(2,323)						(2,323)
Medical Cooperation Prior Survey  Survey terms: 12.6, 1976 - 12.23, 1976	(Indonesia and Philippine)	1976	Preliminary survey	12.6, 1976 - 12.23, 1976	5)	(2,077)						(2,077)
		1977	Expenditure in 1977 for ditto				(124)					(124)
		Cumulative total					2,201					2,201
Medical Equipment Repair Team  Survey terms: 12.6, 1976 - 12.23, 1976	(Indonesia and Philippine)	1976	Equipment repair (Survey)	12.6, 1976 - 12.23, 1976	3)	(2,660)						(2,660)







Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Raw Polio Vaccine Supply		1976								Raw polio vaccine	2,765	2,765
National Mental Disease Hospital		1980									2,135	2,135
Philippine University		1981									1,504	1,504
Batern Sufferes Accommodation Center		1983									45,512	45,512
		1984									39,982	39,982
	(Health Medical Cooperation Work Total)				(Survey teams) 134,028			(Experts) 776,756	(Equipment supply) 1,083,272			(Total) 1,994,056



Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)										
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items											
							On-going	New													
Family Planning Project  Type of agreement: R/D  Date signed: 7.17, 1974  Cooperation term:  (Initial) 7.17, 1974 - 3.31, 1979  (Extension) 4.1, 1979 - 3.31, 1981  (Extension) 3.31, 1982 - 3.31, 1986  (Extension) 4.1, 1986 - 3.31, 1989  Cooperating Organization in the Philippines Family Planning International Cooperation Foundation	The Philippine government asked Japan for cooperation in family planning in view of the urgency of the population problem. Responding to this request, Japan dispatched the prior survey team in 1973 and surveyed the possibility of cooperation. Thereafter, Japan dispatched the executive team in 1974 and started cooperation after signature of the discussion minutes.  Objective of cooperation is to set the model district and to promote knowledge and acceptance of family planning.  [Number of counterparts accepted]	1972	Basic survey	2.28, 1973 - 3.14, 1973	4	1,580					1,580										
		1973					1				1										
		1974	Field survey	7.8, 1974 - 7.26, 1974	4)	(782) (1,122)						(1,904)									
		1975								Contra-ceptive appliance and printer	78,372	78,372									
		1976								16 mm movie projector	99,959	99,959									
		1977	Evaluation	8.31, 1977 - 9.15, 1977	3)	(1,132)				Motor cycle and visual audio equipment	69,301	(1,132) 69,301									
		1978	Itiner-ant technical advisory survey	11.29, 1978 - 12.17, 1978	3)	(1,246)				Motor cycle	59,304	(1,246) 59,304									
		<table border="1"> <tr> <td>Fiscal year</td> <td>'74-'80</td> <td>'81</td> <td>'82</td> <td>'83</td> </tr> <tr> <td>No.</td> <td>0</td> <td>2</td> <td>2</td> <td>3</td> </tr> </table>		Fiscal year	'74-'80	'81	'82	'83	No.	0	2	2	3								
Fiscal year	'74-'80	'81	'82	'83																	
No.	0	2	2	3																	
<table border="1"> <tr> <td>Fiscal year</td> <td>'84</td> <td>'85</td> <td>'86</td> <td>'87</td> </tr> <tr> <td>No.</td> <td>3</td> <td>3</td> <td>2</td> <td>3</td> </tr> </table>		Fiscal year	'84	'85	'86	'87	No.	3	3	2	3										
Fiscal year	'84	'85	'86	'87																	
No.	3	3	2	3																	

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Cooperating Organizations in the Philippines National Population Committee		1979								300 motor cycles	68,215	68,215
		1980	Itinerant technical advisory survey	2.9, 1981 - 2.21, 1981	4)	(F) 196 (1,038)	-	-	1,116		78,883	(1,234) 79,999
		1981				(D) (30)						(30) 94,412
		"	Mutual consultation (Survey)	6.29, 1981 - 7.4, 1981		1,186	-	2	4,352		88,874	
		1982	Evaluation	2.1, 1983 - 2.8, 1983	4	(B) 8,432 1,632	1	-	19,880		63,783	93,727
		"	Basic survey	9.21, 1982 - 10.26, 1982	6	16,154						16,154
		1983	Itinerant technical advisory survey	9.26, 1983 - 10.13, 1983	5	2,524	1	2	35,089		(G) 6,938 148,966	193,517



Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New			
Family Planning Execution Survey  Survey terms: 7.8, 1974 - 7.26, 1974 (19)	(Philippine and Thailand) Refer to Asia in general,	1974	Field survey	7.8, 1974 - 7.26, 1974	4)	(1,122)					(1,122)
Family Planning Evaluation Survey  Survey terms: 8.31, 1977 - 9.15, 1977	(Philippine and Thailand) Refer to Asia in general,	1977	Evaluation	8.31, 1977 - 9.15, 1977	3)	(1,132)					(1,132)
Family Planning Circulating Instruction  11.29, 1978 - 12.17, 1978	(Philippine and Thailand) Refer to Asia in general.	1978	Itinerant technical advisory survey	11.29, 1978 - 12.17, 1978	3)	(1,246)					(1,246)
	Total of Population and Family Planning Cooperation Work					(83,065)			(280,200)	(1,121,558)	(1,484,823)

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New				
Rice Crop Development Cooperation  Type of agreement: Agreement Date signed: 6.17, 1969 Cooperation term: (Initial) 6.17, 1969 - 6.16, 1974  (Extension) 6.17, 1974 - 6.16, 1976	The preliminary survey team was dispatched in September, 1966 and the direction, etc. of the agricultural cooperation to the Philippines was surveyed. The second survey team was dispatched in April, 1967 and as a result of the survey of the area covered by the irrigation plan of the medium and small-sized agricultural land, the conclusion was reached that Nauhan district of Mindoro Island and Alanalan district of Leite Island were technologically and economically feasible. In November, 1967, the construction plan for the rice crop irrigation model district for increasing rice production in both districts was prepared and a plan discussion team was dispatched. In March next year a survey team to establish a pilot farm was dispatched. Based on its report, an agreement was concluded on June 17, 1969 and the cooperation was started accordingly. The aim of the agreement is to start a production increase project of local rice which includes construction of a rice center for efficient storage, drying and polishing of rice. For the purpose, the area of 1,100 ha in the both districts of Nauhan and Alanalan which are viewed important by the Philippine government, is to be selected and to establish these a pilot farm which shall be a model of agricultural improvement	1967	Mutual consultation (survey)	11.22-12.5, 1967	3	739					15,583	
		"	Detailed design (survey)	3.6 - 5.1, 1968	21	14,844						
		1968					41,113					44,415
		"	Field survey	9.10 - 10.9, 1968	7	3,302						
		1969					(B) 123		8	20,173	109,332	129,628
		1970	Itinerant technical advisory survey	12.3 - 12.24, 1970	2	(B) 73 857	8		27,490		37,741	67,075
		"	Mutual consultation (survey)	5.26 - 5.31, 1970	4	914						
		1971	Itinerant technical advisory survey	8.10 - 8.20, 1971	2	(B) 253 576	8	4	30,660		15,048	49,294

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
	<p>of the peripheral districts such as water management and utilization at consuming points, development and promotion of the practical agricultural technology which can be adapted by local farmers. Equipment and materials necessary for the project are to be provided by Japan and Japanese specialist renders services for 5 years from June, 1969.</p> <p>Incidentally, in June, 1974, an evaluation survey team was dispatched in order to evaluate the results of cooperation over the past 5 years and to contribute to follow-up cooperation. As a result, it was determined that cooperation should be continued for 2 more years.</p> <p>In addition, in 1983 and 1984, dispatch of the survey team and supply of the required equipment were conducted as the aftercare cooperation.</p>	1971	Mutual consultation (Survey)	9.14 - 9.18, 1971	3	686						49,294	
		"	Itinerant technical advisory survey	3.23 - 4.14, 1971	4	2,071							
		1972					78						58,558
		"	Itinerant technical advisory survey	3.27 - 4.10, 1973	4	(B) 337 1,345	9	2	37,187		19,611		
		1973					(D) 340						61,025
		"	Itinerant technical advisory survey	7.17 - 8.10, 1973	5	(B) 288 2,407	10		45,936		12,054		
		1974	Evaluation	7.18 - 8.6, 1974	4	(B) 143 2,119	10	3	37,118		(G) 621 21,211		61,212
		1975					(B) 277	5		33,378		4,612	38,267
		1976					(B) 157	5		11,845		8,455	20,457

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
		1983	(I)	11.7 - 11.19, 1983	1)	(2,896)						(2,896)
			"	11.28 - 12.18, 1983	5)							
		1984	(Preparation of reports on the above)			(B) 497 (D) 545			1,298	Agri-cultural machine and spare parts	7,990	10,330
		1985						1	312			312
		Cumulative total				176,980			245,397		236,675	559,052

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
The Cagayan Agricultural Pilot Centre Project  Type of agreement: R/D  Date signed: 2.27, 1982  Cooperation term: (Initial) 2.17, 1976 - 2.26, 1978 (Extension) 2.27, 1978 - 2.26, 1982 (Extension) 2.27, 1982 - 3.31, 1984	Although the Philippine government adopted local development positively for self-supply of foodstuff, the Philippine government asked Japan for cooperation concerning the development of the Cagayan Valley district, which is one of the covered districts. In February 1976, based on the agreement of the discussion minutes (R/D), preparatory cooperation was started for the establishment of APC (Agricultural Pilot Centre). The complete cooperation activity according to the memorandum of agreement (M/A) was conducted from February 1979. This cooperation aims to promote double-cropping cultivation of rice caused by the the agricultural base maintenance (Yen borrowing) and to improve the productivity of agriculture for realization of the following 3 programs.  (1) Agricultural development program (Collection and analysis of information and support of borrowing related work).  (2) Agricultural development pilot centre program (Selection, display and training of practical test seed)  (3) Base point prevailing program (Display and practical test at the base point prevailing district.) Recently, the maintenance of the	1975		10.29-11.29, 1975	5	(B) 116 3,063		2	6,189		(G) 2,741	22,019	
		"	Detailed design (survey)	2.2 - 3.17, 1976	7	9,910							
		1976	Reports on technical costs for the same				(C)(D) 11,566						54,026
		"	Mutual consultation (survey)	10.19-1.30, 1976	3	(B) 815 1,276		5	27,471		(G) 4,269 8,629		
		1977	Itinerant technical advisory survey	10.27-11.5, 1977	4	(B) 45 1,567		5	1	54,006	Agricultural equipment and vehicle	(G) 1,902 169,714	227,234
		1978	Itinerant technical advisory survey	11.19-11.30, 1978	7	1,361		6	4	86,497	Agricultural equipment and agricultural machine	(G) 1,840 55,840	145,538
		1979					(D) 400						



Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)								
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)									
							On-going	New												
	<p>facility especially has proceeded well and the rice crop improvement technology has been prevailing. In 1983, the comprehension as the final years of the cooperation was performed. The delivery of APC to the Philippines was conducted on March 20, 1984 and the cooperation was completed on March 31, 1984. As a result of the cooperation, improvement of the resolving method of the establishment of independence were achieved.</p> <p>[Number of counterparts accepted]</p> <table border="1"> <tr> <td>Fiscal year</td> <td>'76 ~ '81</td> <td>'82</td> <td>'83</td> </tr> <tr> <td>No.</td> <td>14</td> <td>5</td> <td>4</td> </tr> </table>	Fiscal year	'76 ~ '81	'82	'83	No.	14	5	4	1979	Itinerant technical advisory survey	4.9 - 4.23, 1980	4	(D) 283 2,230	5	8	63,389	Agricultural equipment and visual and audio and visual equipment	(G) 3,013 48,869	118,202
		Fiscal year	'76 ~ '81	'82	'83															
		No.	14	5	4															
		1980	Preparation of the reports on the above				(D) 607						(1,501) 102,621							
		"	Itinerant technical advisory survey	3.25 - 4.9, 1981	4	2,343	6	2	60,856	Agricultural equipment, tool and spare part	(G) 1,343 37,442									
1980	Equipment maintenance and control	4.10 - 5.5, 1981	2)	1/ (1,501)																
1981	(Itinerant technical advisory survey Preparation of report)				(D) 338															

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
		1981	Liquidation of past year				13					113,200
		"	Evaluation	11.23-12.10, 1981	5	3,314	5	3	59,800	Agricultural machine and visual and audio equipment	(G) 1,839 47,896	
		1982	Mutual consultation (survey)	6.29-7.10, 1982	4	2,671	5	4	75,603	Equipment for experiments, practice and drawing, and visual and audio equipment	(G) 2,189 46,319	126,782
		1983	Preparation of report on the above			(D) 1,083	7	6	74,164	Agricultural machinery and equipment for experiments	(G) 4,341 37,805	117,531
						(B) 138						
		1984				718			6,251			6,969
		Cumulative total				45,358			514,226		476,039	1,035,623

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)			
							On-going	New						
<p>The project for Afforestation of the Pantabangan Area</p> <p>Type of agreement: R/D</p> <p>Date signed: 6.18, 1976</p> <p>Cooperation term: (Initial) 6.18, 1976 - 6.17, 1978 (Extension) 6.18, 1978 - 7.23, 1982 (Extension) 7.24, 1982 - 7.23, 1987</p> <p>Cooperating Organization in Philippine: Agriculture and Forest Development Bureau of Ministry of Natural Resources</p>	<p>The Philippine government asked Japan in 1973 for technical cooperation concerning forest formation in the Pantabangan area, which is one of the important water sources areas of the Philippines. Responding to this request, Japan dispatched a prior survey team in 1975 and as a result of the survey, Japan signed R/D in 1976 after the necessity to start development and improvement of the forest formation technology by the technical cooperation on a government basis became clear. This project performs technological transfer concerning forest formation through pilot forest formation of approximately 8,000 ha. The dispatch of long-term specialist was started in 1976 and based on R/D signed in 1982, the training at the forest security training center, which was constructed there by Japan's gratuitous fund cooperation, was also begun.</p> <p>In 1984, the centrally controlled seeding field by model infra-structure maintenance work was formed and the efficiency of seeding production was targeted. Up to 1985, the forest formation of 5,700 ha was completed and the mountain fire prevention countermeasure was strengthened.</p> <p>As a result of the evaluation survey in December, 1986, it was determined that it is important to continue the cooperation which</p>	1975		12.3 - 12.27, 1975	5	948 4,138						5,086		
		1976				(D) 1,133							15,055	
		"	Mutual consultation (survey)	6.10 - 6.19, 1976	4	(B) 271 1,628		4	8,367		(G) 3,656			
				1977	Detailed design (survey)	10.19 - 11.17, 1977	7	(B) 340 23,569	4	6	28,733	Machinery for woodland path formation, and vehicles	(G) 1,771 168,570	222,983
				1978								Transportation expense of ditto		165,399
				"	Itinerant technical advisory survey	5.3 - 5.12, 1978	2	2,781	4	8	56,605	Equipment for woodland path formation and equipment for speeding		
				"	"	10.9 - 10.19, 1978	3							

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)																										
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)																											
							On-going	New																														
Cooperating Organization in Japan:  Ministry of Agriculture and Fishery and Agency of Forest	was further deployed from this project in order to promote the basic security of the Pantabagan areas, and the Philippine government strongly asked Japan's cooperation. (Refer to II.)  [Number of counterparts accepted]  <table border="1" data-bbox="578 829 1062 928"> <tr> <td>Fiscal year</td> <td>'76-'78</td> <td>'79</td> <td>'80</td> <td>'81</td> </tr> <tr> <td>No.</td> <td>10</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <table border="1" data-bbox="578 1008 1003 1106"> <tr> <td>Fiscal year</td> <td>'82</td> <td>'83</td> <td>'84</td> <td>'85</td> </tr> <tr> <td>No.</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> </table> <table border="1" data-bbox="578 1186 845 1285"> <tr> <td>Fiscal year</td> <td>'86</td> <td>'87</td> </tr> <tr> <td>No.</td> <td>2</td> <td>2</td> </tr> </table>	Fiscal year	'76-'78	'79	'80	'81	No.	10	2	3	4	Fiscal year	'82	'83	'84	'85	No.	4	3	2	2	Fiscal year	'86	'87	No.	2	2	1979	Itinerant technical advisory survey		4	(B) 475 1,944	7	8	61,997	Equipment for seeding and equipment for forest formation	(G) 2,803 84,558	151,777
		Fiscal year	'76-'78	'79	'80	'81																																
		No.	10	2	3	4																																
		Fiscal year	'82	'83	'84	'85																																
		No.	4	3	2	2																																
		Fiscal year	'86	'87																																		
No.	2	2																																				
1980	Equipment maintenance and control	12.9 - 12.29, 1980	2)	(3,123)	10	15	136,977	Equipment for seeding and equipment for forest formation	(G) 5,229 92,179	(3,123) 234,385																												
1980	"	2.8 - 2.16, 1981	4)																																			
1981	Mutual consultation (survey)	1.25 - 2.28, 1982	3	2,585	15	4	128,046		(G) 733 95,314	226,678																												
1982	Mutual consultation (survey)	7.18 - 7.24, 1982	2		10	9	159,826	Equipment for seeding and forest formation and equipment for woodland path and mountain maintenance	(G) 2,916 80,824	259,815																												

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
		1982	Mutual consultation (survey)	9.8 - 10.3, 1982	4	16,249						
		1983	(Preparation of reports on the above)			(D) 602	13	14	202,525	Equipment for seeding and forest formation and equipment for woodland path and mountain maintenance	(G) 5,594 68,809	279,384
		"	Itinerant technical advisory survey	8.17 - 8.30, 1983	3	(B) 210 1,644						
		1984	(Preparation of reports on the above)			(D) 319	11	10	164,875	Fertilizer seed, vehicle and spare parts	(G) 4,495 92,334	265,173
		"	Itinerant technical advisory survey	(1) 9.17 - 10.3 1984 (2) 10.9 - 10.18, 1984	1 3	3,150						

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
		1985	Itinerant technical advisory survey	11.4 - 11.13, 1985	3	11,993	11	9	142,649	Bulldozer, dump truck spare part, etc.	(G) 3,843 90,284	248,749
		1986	Evaluation	9.2 - 9.9, 1986 11.27-10.10, 1986	1 5	8,320	10	10	144,347	Vehicle, equipment and spare part	74,274	226,914
		1987		-	-	140	7	4	53,240	Fertile etc.	31,083	84,463
		Cumulative total				85,562			1,288,167		1,015,282	2,389,011

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
<p>The Bohol Agricultural Promotion Centre Project</p> <p>Type of agreement: R/D</p> <p>Date signed: 2.2, 1983</p> <p>Cooperation term: (Initial) 2.2, 1983 - 2.1, 1985</p> <p>Cooperating Organizations in Philippines: Bohol Comprehensive Development Plan Office and Ministry of Agriculture</p>	<p>This cooperation project was started as a part of the Bohol area comprehensive development plan in the Philippines, which is performed by BIDAP, for the development of agricultural technology which is suitable for the area and the training of prevailing personnel for promotion of Bohol agriculture.</p> <p>As the project site, APC (Agricultural Promotion Centre) is installed at Dao in Tagbilala city as the main centre and the sub centre is installed at Ubai, where the existing rice crop test centre is located. The rice field test centre is installed at Bira Agricultural University.</p> <p>In 1984, the buildings and facilities were completed under the gratuitous fund cooperation in APC and various preparations for the complete cooperation subsequent to 1985, especially, the formation of the cooperation system, acceptance of equipment, survey of the farm, cultivation test, etc. were executed.</p> <p>In 1985, the agricultural maintenance of rice fields and farms in 20 ha of the Carmen area was conducted by the pilot infrastructural maintenance work and, the vegetable test centre was installed with expenditures for emergency counter-measures in the Tsubikon area.</p>	1979	Preliminary survey	3.15 - 4.5, 1980	5	3,756						3,756	
		1980	(Preparation of reports on the above)				(B) 628						640
		1980	Liquidation of past year				12						
		1981	Deliberation for implementation (survey)	6.29 - 7.18, 1981	5	10,001							10,001
		1982	Detailed design (survey)	(1) 5.7 - 6.5, 1982 (2) 1.5 - 2.9, 1983	1 9	24,902	-	2	2,090			(G) 3,641	30,633

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)													
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)														
							On-going	New																	
Cooperating Organization in Japan: Ministry of Agriculture and Fishery	In addition, in 1986 a vegetable production strengthening district was installed at both the districts of Mayana and Taitai and at the same time, the display field to verify prevailing technology at the farmer level was installed. In 1987, as a result of the evaluation, although the project showed satisfactory result according to the initial plan, it was recommended that an extension was required to solve the remaining problems and attain the initial objective, and based on this recommendation, a two-year extension up to February 1, 1990 was determined.  [Number of counterparts accepted]	1983	Mutual consultation (survey)	1.24 - 2.9, 1984	6	(B) 312 3,609	0	4	72,136	Equipment for agriculture Machine experiment and vehicles	(G) 1,359 72,948	150,364													
		1984	(Preparation of the report of the above)			(D) 385	2	11	101,208	Equipment for maintenance of agricultural land, vehicles and spare parts	(G) 3,139 72,948	150,364													
		"	Itinerant technical advisory survey	3.18 - 3.24, 1985	3	1,992																			
		1985	Detailed design (survey)	7.10 - 8.23, 1985	3	25,585	6	1	118,734	Visual and audio equipment, vehicles spare parts etc.	50,454	194,773													
<table border="1"> <thead> <tr> <th>Fiscal year</th> <th>'82</th> <th>'83</th> <th>'84</th> <th>'85</th> <th>'86</th> <th>'87</th> </tr> </thead> <tbody> <tr> <td>No.</td> <td>0</td> <td>2</td> <td>3</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>		Fiscal year	'82	'83	'84	'85	'86	'87	No.	0	2	3	4	4	4										
Fiscal year	'82	'83	'84	'85	'86	'87																			
No.	0	2	3	4	4	4																			



Project name	Summary	Fiscal year	Survey teams			Experts		Equipment supply		Grand total of expenditures (1,000 yen)		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items		Expenditures (1,000 yen)	
							On-going	New				
		1985	Itinerant technical advisory survey	6.10 - 8.23, 1985	1	25,585						
		"	"	1.27 - 2.4, 1986	1							
		1986		-	-	1,748	7	5	94,271	Vehicles, experimental equipment, etc.	40,931	136,950
		1987	Evaluation	11.26-12.8, 1986		4,246	7	0	103,900	Vehicles, spare parts, etc.	27,947	136,093
		Cumulative total				77,176			492,339		329,563	899,078

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Diversified Crops Irrigation Engineering Project  Type of agreement: R/D  Date signed: 5.28, 1987  Cooperation term: (Initial) 5.28, 1987 - 5.27, 1992  Cooperating Organization in the Philippines: National Irrigation Agency  Cooperating Organization in Japan: Ministry of Agriculture and Fishery	The Philippines almost accomplished self-sufficiency in rice in 1970 and it aims to improve farmer's income by introducing vegetables, etc., as a countermeasure for production increases and a drop in the price of sugar cane. Against such a background, in order to improve management of the water utilization business by versatalization of the products by the introduction of farm products into the secondary crop rice field and to improve the utilization ratio of the irrigation facility, the National Irrigation Agency (NIA) asked Japan for cooperation concerning the development of farm irrigation technology as required for this purpose.  Responding to this request, as a result of the discussion with the Philippines, an R/D was signed between Japan and the Philippines on May 28, 1987.  In 1987, other than the supply of equipment and acceptance of trainees, 6 specialists were dispatched and the project main office was installed in the headquarters adjacent to the NIA comprehensive training center, concerning water quality and soil analysis. The NIA water qualify and soil test room at Mungos was used.	1985	Preliminary (survey)	9.26 - 10.6, 1985	5	3,130				-	-	3,130	
		1986					474	-	2	2,051		38	2,493
		1987	Deliberation for implementation (survey)	5.19 - 6.6, 1987	5	20,220	-	6	62,700			7,318	90,238
			Mutual consultation (survey)	2.9 - 3.19, 1988	4								
		Cumulative total					23,754			64,751		7,356	95,861





project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New			
Specialist Local Training Organization Development Survey  Survey term: 12.8, 1974 - 12.23, 1974	(Indonesia, Philippine and Thailand)	1974	Basic survey	12.8 - 12.23, 1974	3)	(629)					(629)
Agricultural Cultivation Circulating Instruction  Survey term: 7.10, 1975 - 7.30, 1975	(India, Nepal and Philippine)	1975	Itinerant technical advisory survey	7.10 - 7.30, 1975	4)	(1,052)					(1,052)
Developing Country Agriculture Mechanization Plan Standard Preparation Survey  Survey term: 10.27, 1975- 11.17, 1975.	(Malaysia, Philippine, Indonesia, India and Thailand)	1975	Basic survey	10.27- 11.17, 1975	10)	(3,324)					(3,324)

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items		Expenditures (1,000 yen)
							On-going	New				
Agriculture Prevailing Cooperation Plan Standard Preparation Survey  Survey term: 11.21, 1977 - 12.3, 1977.	(Indonesia, Philippine and Thailand)	1977	Basic survey	11.21-12.3, 1977	8)	(5,637)					(5,637)	
		1978	Expenditure in 1978 for ditto				(1,683)				(1,683)	
		Cumulative total					7,320				7,320	
Agricultural Cooperation Project Cooperation Effect Measuring Method Development Survey  Survey term: 2.13, 1978 - 3.14, 1978.	(Indonesia, Malaysia and Philippine)	1977	Basic survey	2.13 - 3.4, 1978	5)	(2,272)					(2,272)	
		1978	Reports on technical costs for the same				(2,993)				(2,993)	
		Cumulative total					5,265				5,265	

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items		Expenditures (1,000 yen)
							On-going	New				
Agricultural Village Comprehensive Development Basic Survey  Survey term: 3.6, 1978 - 3.25, 1978.	(Indonesia and Philippine)	1977	Basic Survey	3.6 - 3.25, 1978	5)	(1,789)					(1,789)	
		1978	Reports on technical cost for the same				(6,205)				(6,205)	
		Cumulative total					7,994				7,994	
Model Infrastructure Maintenance Work Circulating Instruction  Survey term: 4.25, 1978 - 5.24, 1978	(Bangladesh, Indonesia, Malaysia, Philippine and Thailand.)	1978	Itinerant technical advisory survey	4.25 - 5.24, 1978	3)	(885)					(885)	
Forest Formation Plan Standard Preparation Survey  Survey term: 11.19, 1978 - 12.19, 1978	(Philippine, Thailand and Papua New Genia)	1978	Basic survey	11.19 - 12.19, 1978	6)	(4,604)					(4,604)	

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Agriculture and Forestry Project Operation Instruction  Survey term: 10.21, 1979 - 11. 7, 1979	(Indonesia, Philippine and Thailand)	1979	Itinerant technical advisory survey	10.21, 1979 - 11.7, 1979	(4 + f1 )	(1,141)						(1,141)
Equipment Maintenance and Control Circulating Instruction  Survey term: 11.12, 1979 - 12.2, 1979	(Indonesia and Philippine)	1979	Itinerant technical advisory survey	11.12, 1979 - 12.2, 1979	2)	(1,083)						(1,083)
Cutting and Wood Transportation Plan Standard Preparation Survey  Survey term: 11.19, 1979 - 12.13, 1979		1979	Basic survey		6)	(8,463)						(8,463)



Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Basic Survey Concerning Actual Status of Farmer's Organization  Survey term: 1.20, 1980 - 2.9, 1980	(Indonesia and Philippine)	1979	Basic survey	1.20, 1980 - 2.9, 1980	4)	(7,023)						(7,023)
Agriculture and Forestry Cooperation National Project Post Survey  Survey term: 1.20, 1980 - 2.13, 1980	(Indonesia and Philippine)	1979	Basic survey	1.20, 1980 - 2.13, 1980	5)	(9,889)						(9,889)
Pantabangan Forest Formation Pilot Infrastructure Instruction	Circulating instruction on maintenance work for pilot infrastructure related to the Pantabangan forest formation project	1980	Itinerant technical advisory survey	6.8, 1980 - 6.25, 1980	4	4,381						4,381
		"	"	10.30, 1980 - 11.8, 1980	3							

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New				
Survey Concerning Member Fostering System in Agriculture and Forestry Cooperation	(Philippine, Colombia, Costalica and Mexico)	1980	Basic survey	3.2, 1981 - 3.21 1981	4)	(2,796)						(2,796)
Asia Area Forestry Equipment Maintenance and Control	(Indonesia and Philippine)	1980		12.9, 1980 - 12.29, 1980	2)	(3,122)						(3,122)
		"	"	2.8, 1981 - 2.16, 1981	4)							
Asia Area Agriculture Equipment Maintenance and Control	(Indonesia and Philippine)	1980		4.10, 1981 - 5.5, 1981	2)	(1,501)						(1,501)
Asia Area Project Operation Instruction	(Bangladesh, Burma, Nepal, Philippine and Thailand)	1980	Itinerant technical advisory survey	10.5, 1981 - 10.22, 1981	2)	(1,344)						(1,334)
		"	"	3.13, 1981 - 3.29, 1981	6)							

Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items	Expenditures (1,000 yen)	
							On-going	New			
Cattle Sanitation Plan Standard Preparation Survey	(Indonesia, Malaysia, Thailand, Philippine, Kennia, Mexico, Costa Rica and Colombia)	1981	Basic survey	3.30, 1982 - 3.23, 1982	8)	(1,578)					(1,578)
Plan Standard Preparation Survey (Cattle Sanitation)	(Indonesia, Malaysia, Thailand, Philippine, Kennia, Mexico, Costa Rica and Colombia)	1981	Basic survey	3.30, 1982 - 4.23, 1982		(1,578)			-	-	(1,578)
		1982				(D) (1,368)					(1,368)
		Cumulative total					2,946				
Plan Standard Preparation Survey (Agroforestry)	(Philippine, Nepal, Kennia and Italy)	1982	Basic survey	10.26, 1982 - 11.77, 1982	3)	(5,805)			-	-	(5,805)
		1983					(168)				(168)
		Cumulative total					5,973				
Asia South Pacific Ocean Plan Standard Preparation Survey	(Thailand, Philippines and Singapore)	1983	Basic survey	2.5, 1984 - 2.19, 1984	6)	(4,996)					(4,996)





Project name	Summary	Fiscal year	Survey teams				Experts		Equipment supply		Grand total of expenditures (1,000 yen)			
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Names of major equipment items	Expenditures (1,000 yen)				
							On-going	New						
Cooperating Organization in Japan: Forest Agency of Ministry of Agriculture and Fishery	<p>nology, introduction of social forestry and development of a basin security system were set and Phase I cooperation was started from July, 1987.</p> <p>[Number of counterparts accepted]</p> <table border="1" data-bbox="557 835 795 928"> <tr> <td>Fiscal year</td> <td>'1987</td> </tr> <tr> <td>No.</td> <td>2*</td> </tr> </table> <p>* Duplicated with Phase II</p> <p>(Total of agriculture and forestry cooperation work)</p>	Fiscal year	'1987	No.	2*									
Fiscal year	'1987													
No.	2*													
					(Survey team) 418,347			(Experts) 2,651,980	(Equipment supply) 2,125,888	(Total) 5,196,215				

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)		
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)			
							On-going	New						
<p>Technical Co-operation on The Technological Development for Particle Board</p> <p>Type of agreement: R/D</p> <p>Date signed: 3.18, 1977</p> <p>Cooperation term: (Initial) 3.18, 1977 - 3.17, 1980 (Extension) 3.18, 1980 - 1.31, 1982 (Follow-up) 2.1, 1982 - 3.18, 1983</p>	<p>In the Philippines, there are many abundant waste materials generated from industrial fields and it significantly contributes to the low cost housing policy in the Philippines to utilize these wastes in the particle board of housing material and furniture material. For this reason, the Philippine government asked Japan in February, 1976 for technical cooperation to improve the technical level of particle board.</p> <p>Responding to this request, Japan considered the technical level, needs, etc. of the Philippines by assuming FORPRIDECOM (Forest Product Research and Industry Development Commission) as the executing organization of the Philippine side and the project technical cooperation was extended through the dispatch of specialist, acceptance of trainees and supply of equipment to improve the quality of particle board material and of manufacturing technology for 5 years from March, 1977. In addition, the following cooperation was conducted for one year, although this project has been smoothly uprated by the self-sustaining efforts at the Philippine site after completion of Japan's cooperation and it contributes to the development of particle board in the Philippines.</p>	1976	Pre-liminary survey	4.18, 1976 - 5.8, 1976	5	10,868						18,746		
		"	Field survey	3.7, 1977 - 3.21, 1977	5			2	5,587		2,291			
				1977	Mutual consultation (Survey)	8.23, 1977 - 9.6, 1977	4	2,177		2	5,561	Universal tester and drier	7,011	14,749
				1978				329		2	5,618	Pilot plant	(G) 698 71,002	77,647
				1979	Itinerant technical advisory survey	10.8, 1979 - 10.25, 1979	4	2,384		7	14,884	Pilot plan	(G) 2,678 160,936	180,882
				1980				(D) 595						138,619
				"	Itinerant technical advisory survey	1.27, 1981 - 2.10, 1981	4	2,506	3	11	31,203	Hot press finishing machine and molding machine	(G) 1,543 102,939	

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Japan dispatched the aftercare survey team in 1986, three years after completion of the cooperation period, and surveyed the current status of this project, and at the same time, to enhance the effect of past cooperation work, aftercare cooperation, including supply of part of existing equipment, supply of equipment related to the transfer of secondary machining technology and technical instruction, was executed.  [Number of counterparts accepted]		1981				(D) 354						58,619	
		"	Evaluation	10.24, 1981 - 11.6, 1981	5	(D) 250 3,151	4	3	29,864	Generator and cargo truck	(G)2,258 22,742		
		1982					-	2	7	36,344	Clayton type boiler, electric welding machine and chain saw	(G)1,576 11,811	49,731
		1983					3	-	-	1,886		-	1,889
		1986	(I)		6.30, 1986 - 7.9, 1986	4	3,362	-	3	4,620	Veneer slider, roll coater, etc.	23,644	1,889
		1986	(I)				-	1	-	2,047		43	2,092
		Cumulative total					26,979			137,616		411,172	574,767

  

Fiscal year	'76	'77	'78	'79	'80
No.		10		4	3

  

Fiscal year	'81	'82	'83
No.	3	3	0





Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
Crocodile Farming Technology  Type of agreement: R/D  Date signed: 8.20, 1987  Cooperation term: 8.20, 1987 - 8.19, 1992  Cooperating Organization in Philippine: Ministry of Natural Resources and Environment  Cooperating Organization in Japan: Ministry of International Trade and Industry and Ministry of Agriculture and Forestry	The Philippine government asked Japan for cooperation (gratuitous fund cooperation and technical cooperation) to establish a crocodile farming institute in order to protect the crocodile from extermination and to contribute to the social and economical deployment of the local inhabitants. Responding to this request, Japan dispatched a fundamental design survey team and a prior survey team covering technical cooperation under gratuitous fund cooperation in November, 1983 in order to grasp the content of the request and implement a local survey. Although an execution discussion survey team was dispatched in November, 1986, to discuss the concrete requirements for the execution of the cooperation the performance items of both countries could not be concluded and an R/D was not signed. Thereafter, in August, 1987, the long-term survey personnel were dispatched and as a result of adjustments, an R/D was signed. Based on this result, in December, 1987, three long-term specialists were dispatched and full cooperation was started.	1983	Pre-liminary survey	11.3, 1983 - 11.19, 1983	9	5,419			-		-	5,419	
		1984	(Preparation of reports on the above)				(D) 142						230
		"					(B) 88						
		1985					(B) 4,220			58			4,278
		1986	Deliberation for implementation (Survey)	11.18, 1986 - 11.29, 1986	7	11,573	-	7	6,229			-	17,802
		1987	Mutual consultation (Survey)	1.27, 1988 - 3.24, 1988	2	10,814	-	11	26,142	Outboard machine, cutter, seachlight, etc.		8,476	45,432
		Cumulative total					32,256			32,429		8,476	73,161

Project name	Summary	Fiscal year	Survey teams				Experts			Equipment supply		Grand total of expenditures (1,000 yen)	
			Type of survey	Survey terms	Number of staff members	Expenditures (1,000 yen)	Number of experts		Expenditures (1,000 yen)	Names of major equipment items	Expenditures (1,000 yen)		
							On-going	New					
<p>Trade Training Center</p> <p>Type of Agreement: R/D</p> <p>Date signed: 2.23, 1987</p> <p>Cooperation term:</p> <p>(Initial) 2.23, 1987 - 2.22, 1992</p> <p>Cooperating Organization in Philippine: Ministry of Trade and Industry</p> <p>Cooperating Organization in Japan: Ministry of International Trade and Industry, Ministry of Agriculture and Fishery and JETRO</p>	<p>The Philippines planned to establish a trade training centre for the promotion of Philippine exports for the cultivation of human resources for the design of export items and production technology and for the exploration of new markets by display of domestic products, and asked Japan for gratuitous fund cooperation and technical cooperation.</p> <p>Responding to this request, in November, 1985, Japan dispatched the contact mission of the both gratuitous and technical cooperation and surveyed the background of the Philippine's request. Thereafter, based on the results of survey by the prior survey and long term survey personnel, an R/D was signed by the execution discussion team dispatched in February, 1987 and technical cooperation for 5 years was started.</p> <p>In 1987, eight long-term specialists and one short-term specialist were dispatched and full cooperation was started.</p> <p>(Total of industrial development cooperation work)</p>	1985	Contact	10.3, 1985 - 10.15, 1985	7	5,405			-			5,405	
		"	Pre-liminary survey	3.30, 1986 - 4.6, 1986	3								
		1986	Deliberation for implementation (Survey)	2.15, 1986 - 2.24, 1986	5	2,624	-	5	3,141			122	5,887
		1987	Mutual consultation (Survey)	2.22, 1987 - 2.28, 1987	5	2,838	-	9	86,698	Micro computer, equipment for display, etc.		18,714	108,250
		Cumulative total							89,839			18,836	119,542
					(Survey team) 73,400			(Experts) 259,884	(Equipment supply) 438,484			(Total) 771,768	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
1	Development Survey Project Selection Confirming Survey	(1) (Malaysia, Philippine and Thailand) Refer to Asia in general.	1966	Investment	7. 19, 1966 - 8. 12, 1966	3)	(972)
		(2) (Indonesia, Malaysia and Philippine) Refer to Asia in general.	1975	Preliminary survey	7. 8, 1975 - 7. 26, 1975	2)	(492)
		(3) (Philippines) Refer to Asia in general for the expense.	1976	Preliminary survey	9. 5, 1976 - 9. 14, 1976	3	(1,381)
			Cumulative total				2,845
2	South East Asia Area Electric Communication Network Maintenance Plan Survey	(Indonesia, Laos, Malaysia, Philippines, Thailand, Taiwan and Vietnam) Refer to Asia in general.	1967	Investment	10. 7, 1967 - 11. 11, 1967	6)	(693)
3	Manila Fishing Port Plan Survey	Survey for the modern fishing port construction plan in the Napotas district near Manila.	1962	Investment	3. 16, 1963 - 4. 7, 1963	5	1,765
			1963	Investment		0	513
			Cumulative total				2,278

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
4	South East Asia Cable Plan Survey (Philippines)	Survey and recommendation required for selection of a landing site in the Philippines, which is ranked as the important country for cable landing in order to realize the South East Asia rank plan proposed by Japan.	1963	Investment	2. 25, 1964 - 3. 15, 1964	4	1,581
			1964	Investment		0	241
			Cumulative total				1,822
5	Bacodolo City and Dabao City Water Supply and Drainage Plan Survey	Water facilities in both cities are extremely poor, and the construction of modern water facilities in both cities, where the population exceeds 200,000, is hurried. This survey is for preparation of planning.	1965	Investment	3. 28, 1966 - 5. 11, 1966	5	1,231
			1966	Investment		0	2,706
			Cumulative total				3,937
6	Agricultural Development Plan Survey	The overall status of rice production technology, such as irrigation, and the increase in rice production projects will be investigated.	1966	Investment	9. 6, 1966 - 9. 29, 1966	4	2,281
			1966	Investment	4. 12, 1967 - 5. 19, 1967	10	5,561
			Cumulative total				7,842

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
7	Manila City Traffic Plan Survey	(1) Preliminary survey of Manila highway construction plan.	1970	Preliminary	3. 16, 1971 - 3. 30, 1971	3	878
		(2) Local Survey  In order to recover city activity and promote the efficiency of the city activity in the future, wide range city traffic plans, such as the establishment of a traffic facility plan consisting of a highway and mass transportation organization (subway, etc) will be conducted.	1971	Field survey	7. 13, 1971 - 10. 21, 1971	13	30,440
			1972	Explanation of reports	3. 4, 1973 - 3. 17, 1973	7	12,905
		(3) R-10 Road Plan  A Manila large-city area city traffic facility plan survey was conducted for 2 years from 1971 to 1973, and a Manila large city area city traffic facility plan survey report (Master plan) was submitted. Currently, the Philippine government requested the feasibility survey of R-10 road for which urgency is the highest, and a survey of the road approximately 10 km north along the seaside from the North Harbor of Manila special city will be executed.	1973	Preliminary survey	2. 26, 1974 - 3. 7, 1974	6	6,448
			1974	Field survey	7. 13, 1974 - 8. 28, 1974	17	107,128
			"	Explanation of reports	12. 2, 1974 - 12. 11, 1974	8	
			1975	Explanation of reports		0	5,187
		(4) Aftercare Survey  This survey was executed to adjust the master plan with the fundamental plan of the Manila mass transit plan survey executed based on the Manila large city area city traffic master plan.	1976	(I)	7. 17, 1974 - 8. 3, 1974	3	858

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		(5) Manila Mass Transit (Railroad) Plan  Concerning the Manila large city area city traffic master plan report, which was prepared as a result of Manila large city area city plan survey executed for 2 years by Japan from 1971 at the request of the Philippine Government, the prior survey was conducted before this survey on the requirements of the feasibility survey of subway No. 1 to No. 5 lines. The Philippine national railroad improvement plan was reported to have executed the feasibility survey first of all, and execution of subway No. 1 line plan survey, for which priority is high, was recommended.	1974	Preliminary survey	7. 21, 1974 - 8. 3, 1974	3	1,739
		(6) Manila Subway (No. 1 Line) Plan  Survey of the full length route of 21.7 km from Keson City to the airport by way of the Manila center section.	1974	Field survey	2. 3, 1975 - 3. 31, 1975	18	38,141
	1975		Field survey	4. 1, 1975 - 5. 10, 1975	3)	133,355	
	"		Explanation of reports	8. 10, 1975 - 8. 30, 1975	8		
	"		Explanation of reports	2. 5, 1976 - 2. 18, 1976	10		
	1976		Explanation of reports		0	5,677	
		(7) C-3 & R-4 Road Construction Plan  Survey for the construction of the uncompleted section of circulating road No. 3 line (C-3) and the radiation road (R-4).	1976	Preliminary survey	2. 27, 1977 - 3. 12, 1977	6	46,554
	1977		Field survey	5. 15, 1977 - 10. 31, 1977	19	26,767	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1977	Field survey	8. 3, 1977 - 10. 13, 1977	10	99,474
			"	Field survey	1. 30, 1978 2. 8, 1978	7	
			Cumulative total				
8	River Improvement Plan Survey	Concerning projects covered by yen loans requested by the Philippine Government in order to modify the Panpanga river in the middle of Luzon, the Bicol river south of Luzon and the Cotabato river in Mindanao Island and to enhance agricultural production and the possibility of development of the basin, the review survey of the work plan already prepared by the Philippine government was executed, and an evaluation and investigation of the soundness of this plan were conducted.	1973	Field survey	1. 22, 1974 - 2. 20, 1974	4	2,453
			1974	Field survey		0	331
			Cumulative total				2,784
9	Agricultural Water Utilization Strengthening Plan Survey	NIA of the Philippines executed the national irrigation works at 106 loctions with the assistance of the U.S. international development bureau from 1967. This survey covered review and survey of the work plan already prepared by the Philippine government concerning improvement of the agricultural water utilizatin network ranging over the whole nation and underground water development in the basins of both the Panpanga river and the Agru river located at the middle of Luzon Island, and an evaluation and investigation of the soundness of this plan were conducted.	1973	Field survey	1. 29, 1974 - 2. 27, 1974	8	5,326
			1974	Field survey		0	1,095
			Cumulative total				6,421



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
10	Kagayan Valley Comprehensive Development Plan Survey	<p>(1) Comprehensive Development Plan</p> <p>Kagayan Valley is isolated from the densely populated middle Luzon and the western seaside of Northern Luzon by the mountain area and over its wide area (especially, the Kagayan river valley field), except for tobacco cultivation and certain small sized industries, such as rice, corn and soy sauce bean production, there has been no development work by the government other than the irrigation projects at 2 to 3 branches. Hence it is in quite a different status from the middle Luzon including Manila. The Philippine government asked Japan to prepare a development plan of approximately 2 millions ha in the valley area (Master plan) in order to realize comprehensive development of this area.</p> <p>Based on the fundamental concept of the survey team, the Kagayan Valley area comprehensive agricultural development plan is being prepared.</p> <p>Incidentally, among the projects which have already been started or are being started in this area by foreign assistance, there are the Magat comprehensive agricultural development plan (Asian Development Bank), the Japan and Philippine friendship road and the Kagayan transmission and distribution line (Japan).</p>	1974	Field survey	7. 25, 1974 - 8. 13, 1974	10	7,800
			"	Explanation of reports	11. 20, 1974 - 11. 26, 1974	2	
			1975	Explanation of reports		0	20

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
		(2) Agricultural Comprehensive Development Plan  In order to follow the Kagayan Valley comprehensive development survey, the agricultural comprehensive development plan is being prepared.  Confirmation of the formulation and feasibility of the project is being conducted, and at the same time, the amount of required funds is being calculated.	1975	Preliminary survey	5. 25, 1975 - 6. 23, 1975	9	52,914	
			"	Explanation of reports	9. 21, 1975 - 9. 30, 1975	3		
			"	Field survey	10. 27, 1975 - 11. 16, 1975	2		
			1975	Field survey	1. 25, 1976 - 3. 31, 1976	16		
			1976	Field survey	4. 1, 1976 - 4. 3, 1976	(14)		38,979
			Cumulative total					99,713
11	Fishery Resource Development Survey	A development survey of the bonito resources at the east side of the Philippines and the Seber sea is being executed.	1975	Preliminary survey	10. 14, 1975 - 11. 14, 1975	5	4,236	
			1976	Preliminary survey	9. 9, 1976 - 9. 22, 1976	3	92,361	
			"	Field survey	11. 15, 1976 - 3. 31, 1976	3		
			1977	Field survey		0	2,224	
			"	Field survey	9. 15, 1977 - 7. 13, 1977	3	1,032	
			Cumulative total				72,011	
12	Repair and Ship Building Yard Construction Plan Survey	A survey of the plan to construct a 400,000 DWT dry dock in Subic Bay is being executed.	1975	Field survey	1. 19, 1976 - 2. 17, 1976	6	13,225	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
13	Ferry Boat Construction Plan Survey	There was the plan to operate the ferry boat in Saint Bernardino strait and Sligao strait to connect the Japan and Philippine friendship road between islands, and although Japan initially proposed to construct this ferry boat, by the strong request at the Philippine side, the draft that one of them be constructed in Japan and another one be constructed in the Philippines with technical cooperation from Japan so that two ferry boats are operated was investigated as a project covered by Yen borrowing. Therefore, the possibility of construction in the Philippines by what kind of technical cooperation was surveyed. The cost and term of construction were surveyed together and a technical and fundamental document were prepared.	1975	Field survey	1. 27, 1976 - 2. 25, 1976	6	(13,225)
			1976	Explanation of reports	5. 13, 1976 - 5. 20, 1976	5	8,550
			1977	(I)	7. 4, 1977 - 7.13, 1977	4	4,554
			Cumulative total				26,329
14	Crop Terminal Silo Construction Plan Survey	Accompanied by the growth of crop production in the Philippines, a terminal silo is to be constructed at major ports in the Philippines. Since it is required to rationalize the distribution, supply stably from the production area to the consuming area, stabilize the price, store during emergency and aim for quality improvement, the possibility of the plan was surveyed.	1976	Preliminary survey	11. 10, 1976 - 12. 23, 1976	19	35,769
			"	Explanation of reports	3. 22, 1977 - 3. 27, 1977	4	
			1977			0	36,242
			Cumulative total				72,011

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
15	Flood Warning System Plan Survey	The Philippine government asked Japan for a feasibility survey for the establishment and installation of a flood warning system in 3 major river basins (Agno, Bicol and Kagayan) in Luzon Island. In 1976, the first survey was a local survey of each basin of Agno river, Bicol river and Kagayan river. Fundamental documents on water network, weather and rivers were collected and electric wave propagation experiments were executed. Subsequently, in 1977, electric wave propagation experiments between each sub centre of the 3 rivers and the flood warning centre in Manila were executed and the supplementary measurements were taken. The report which summarized the experiment results was explained at the site.	1976	Field survey	11. 17, 1976 - 3. 5, 1976	22	51,532
			1977	Explanation of reports	4. 14, 1977 - 4. 23, 1977	4	2,171
			"	Field survey	10. 17, 1977 - 11. 30, 1977	13	48,817
			"	Explanation of reports	3. 14, 1978 - 3. 18, 1978	2	
			Cumulative total				112,520
16	Small Water System River (Pashing River) Comprehensive Development Plan Survey	The Pashing river and Botorelo river are located in the Panpang State in the middle of Luzon Island and the whole basin serves as the leading agricultural production area in Luzon Island. Yet when these rivers flow down from Binatiubo mountain, the soil erosion is severe and much soil and sand is transferred and deposited in the middle of these rivers, which always causes floods and large hazards every year. For this reason, the Philippine government asked Japan for a feasibility survey of a flood prevention and sand prevention plan to mitigate this damage. Subsequent to the prior survey in 1976, the complete survey was executed in 1977.	1976	Preliminary survey	2. 17, 1977 - 3. 8, 1977	5	5,263
			1977	Field survey		0	644
			1978	Field survey	8. 22, 1977 - 3. 31, 1978	28	90,205
			1979	Field survey	9. 3, 1978 - 9. 9, 1978	5	62,170
			Cumulative total				158,282
17	Bohol Agriculture Comprehensive Development Plan Survey	The Philippine government drew up Bohol Island agriculture comprehensive development plan and asked Japan for a survey and cooperation. Based on this request, in 1976, the prior survey of the development project for	1976	Preliminary survey	3. 7, 1977 - 3. 26, 1977	6	5,268
			1977	Preliminary survey		0	358

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		the north eastern part of Bohol Island and the major irrigation plan for this part (Wahigupamakusalendam irrigation plan) under the project was executed before the execution of the feasibility survey.	1977	Field survey	8. 22, 1977 - 11. 26, 1977	18	94,880
			1978	Field survey		0	22,309
		In 1977, based on the results of the prior survey, a feasibility survey was executed. The final report was prepared and sent.	Cumulative total				122,815
18	National Water Science Centre Enlargement Plan Survey	The Philippine government established the national water science research center in 1973 for conducting model experiments in water resource development work for flood prevention, river modification, dam and irrigation facilities and analysis by computer of related documents in order to promote water resource development in the Philippines. Since in the Philippines, the water science centre is the only research facility in this field and its members are insufficient, the Philippine government prepared an enlargement plan for the water science centre and asked Japan for gratuitous fund cooperation for the building, survey and experiment equipment. In 1976, the prior survey was conducted and in 1977, the draft of the fundamental design was prepared by the domestic preparatory team and explanations and discussions were held with related personnel of the Philippine government and the final draft was determined.	1976	(J) (Preliminary)		-	4,017
			1977	(J)	4. 10, 1977 - 4. 24, 1977	8	1,082
			"	(J) (Report)	6. 23, 1977 - 7. 6, 1977	6	18,939
			Cumulative total				24,038
19	Development Survey Project Selection Confirming Survey	In order to execute the development survey efficiently, the contents of the Philippine's request were surveyed and the needs of the Philippines were accurately grasped, and at the same time, hearings on the background information of the project from Philippine's	1977	Preliminary survey	9. 13, 1977 - 9. 21, 1977	2	691

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		related organization were conducted, documents were collected together, and the projects to which Japan can cooperate were selected and confirmed.					
20	Irococ - Norte Irrigation Plan Survey	<p>The Philippine government prepared the agricultural development plan mainly consisting of irrigation work for economic development centered on agriculture covering 21,500 ha in Irococ - Norte State and Irococ - Sur State located in the north western part of Luzon Island, and it asked Japan for cooperation in August, 1977. Based on this request, in September, 1977, a prior survey was executed. As a result, the conclusion was reached that a two-stage development concept should be implemented: development of water sources in the area and development of water sources in other areas. By considering this result, in 1978, the feasibility survey of the irrigation plan to cover approximately 10,000 ha by the water source in the area was executed and a report was prepared and explained to the Philippine government.</p> <p>In 1979, the feasibility survey of the irrigation plan of approximately 11,200 ha as the second stage development plan was conducted and at the same time, the fundamental design of the model irrigation facility and training facility covered by the gratuitous fund cooperation was drawn up. In 1980, the report of the local survey was prepared and explained to the Philippine government.</p>	1977	Preliminary survey	10. 30, 1977 - 12. 2, 1977	8	9,120
			"	Field survey	3. 5, 1978 - 3. 30, 1978	4	12,042
			1978	Preliminary survey		0	147
			"	Field survey	7. 25, 1978 - 2. 28, 1979	21	146,436
			"	Explanation of reports	11. 3, 1979 - 3. 14, 1979	5	
			1979	Field survey	8. 20, 1979 - 3. 26, 1980	18	98,707
			1980	Explanation of reports	11. 3, 1980 - 11. 9, 1980	4	62,102
			Cumulative total				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
21	Luson Island Northern Electric Communication Network Construction Plan Survey	The Philippines currently plans to develop industry in the Kagayan Icoros (Region I and II) area in the northern part of Luson Island where various developments centered on agriculture have been promoted, and to maintain and enlarge the electric communication network in this area to eliminate the difference with the metropolitan area. This survey examined the current status of the electric communication network in this area and at the same time, the whole electric communication network plan, including the toll relay circuit plan between newly installed telephone stations which are constructed this time as well as transmission, exchange, line, telegraph, power, station, etc. was investigated. The content of this project was clarified and its feasibility was surveyed.	1977	Preliminary survey	11. 21, 1977 - 12. 5, 1977	5	3,195
			"	Field survey	2. 26, 1978 - 3. 31, 1978	13	29,168
			1978	Field survey	4. 12, 1978 - 5. 16, 1978	3	9,827
			"	Field survey	8. 27, 1978 - 9. 17, 1978	7	18,844
			Cumulative total				61,034

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
22	Preparation of Kagayan Valley Topological Drawing	As a result of the prior survey executed in 1977, the preparation of the new land fundamental drawing (1: 25,000) and orthophotomap (1: 10,000, approximately 300 km <sup>2</sup> ) of the area from Isabela State in the northern part of Luzon Island to Abari in Kagayan State, as agreed upon by both Japan and the Philippines (covered area: 11,000 km <sup>2</sup> ), was executed for 5 years.  (1) First year work: Aerial photographing of whole area (Reduction 1: 30,000, Photographed area 15,000 km <sup>2</sup> )  (2) Second year work: Measurement of base point  (3) Third year work: Levelling, local survey, aerial triangulation, reparation of orthophotograph  (4) Fourth year work: Aerial triangulation, preparation of original topological drawing, orthophotomap  (5) Fifth year work: Preparation of topological drawing (Reduction 1:25,000, 72 drawings)	1977.	Preliminary survey	1. 24, 1978 - 3. 9, 1978	11	12,084
			1978	Preliminary survey		0	652
			"	Field survey	2. 25, 1979 - 5. 15, 1979	4	30,220
			1979	Field survey	4. 12, 1979 - 5. 10, 1979	1	44,330
			"	Field survey	(Work done in Japan)		73,565
			1980	Field survey	(Work done in Japan)		81,882
			"	Field survey	12. 1, 1980 - 4. 20, 1981	21	
			1981	Field survey	(Work done in Japan)		
			"	Field survey			
			"				
				Cumulative total			



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
23	Fishig Port Maintenance Plan Survey	This Project reviews the feasibility survey report of 5 fishing posts such as Zanpoanga prepared by the Philippine government and performs the supplementary survey concerning that insufficient part such as the economic analysis. Incidentally, the Philippine government puts the extremely high priority on this project as the sixth Yen borrowing project. Based as the request of the Philippine government in 1977, the preparation of development plan at major plain areas of Philippine (Luson Island, Kagayan Valley, center section of this island, Samar Island, river basin of Mindana Island, etc.), modification of existing 1/50,000 fundamental drawing and the effective utilization of the land utilization drawing as the fundamental document are planned, as the primary candidate area, the area from Iragan in Isabela State to Abari in Kagayan State (covered area: approximately 10,000 km <sup>2</sup> ) was selected and the Philippine government asked Japan for the cooperation of the preparation of this map. Based on this request, in 1977, the prior survey was executed.	1977	Preliminary survey	2. 20, 1978 - 3. 21, 1978	7	14,064
			1978	Explanation of reports	5. 28, 1978 - 6. 3, 1978	3	19,802
			Cumulative total				33,866
24	Mayon Volcano Sand Prevention Plan	(1) Master plan preparation survey Mayon volcano is the typical conical volcano and activates in 4 to 5 year frequency and the volcanic activity article deposits and causes the soil and sand hazard to the peripheral area by the secondary erosion. For this reason, the Philippine government asked Japan for the technical cooperation in preparing the fundamental plan related to the prevention of soil and sand hazed. Based on this request, in 1978, the prior survey was executed and in	1978	Field survey	5. 29, 1978 - 6. 17, 1978	6	4,100
			1979	Field survey	9. 17, 1979 - 2. 15, 1980	10	79,975
			"	Field survey	12. 9, 1979 - 12. 18, 1979	4	
			"	Field survey	3. 4, 1980 - 3. 13, 1980	4	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
		<p>1979, the preparation survey of the master plan and the model design of preventing the soil and stone flow were conducted and the topological drawing (1/25,000) of approximately 900 Km<sup>2</sup> of the covered area required for the master plan survey was prepared. In 1980, the water network and status of occurrence of the hazard were surveyed and the final report consisting of the sand prevention plan, water control plan and irrigation plan was prepared.</p> <p>(2) Aftercare survey</p> <p>Although the Philippine government promoted the preparation of the execution in accordance with the master plan of Mayon Volcano sand prevention plan prepared by Japan's cooperation, the soil and sand flowing hazard occurred on June 30, 1981. For this reason, the soil and sand flow occurrence potential, sand prevention plan and flood prevention plan prepared by the master plan as the aftercare survey are reviewed and at the same time, especially, concerning the area of significant damage, the emergency restoration plan is prepared. In 1981, the prior discussion, aerial photographing and ground measurement were conducted before the complete execution of the survey. In June, 1982, the complete local survey was started and the drafting work of the sand prevention facility area among the areas covered by the survey, collection and analysis of various data,</p>	1980	Field survey	6. 23, 1980 - 8. 30, 1980	11	157,923	
	"		Field survey	8. 10, 1980 - 8. 23, 1980	3			
	"		Explanation of reports	12. 14, 1980 - 12. 19, 1980	5			
				1981	(I)	1. 24, 1982 - 2. 7, 1982	4	2,501
			"	(I)	3. 31, 1982 - 4. 13, 1982	1		
				1982	(I)	4. 12, 1982 - 6. 5, 1982	3	23,056
				"	Field survey	6. 1, 1982 - 7. 31, 1982	16	118,543
			"	Field survey	6. 1, 1982 - 10. 9, 1982	1		
			"	Field survey	9. 30, 1982 - 10. 9, 1982	2		
			"	Field survey	2. 6, 1983 - 2. 12, 1983	5		
			1983	Field survey	(Preparation of the report)	-	253	
			Cumulative total				386,351	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		evaluation of the plan preparation and the detailed design of the sand prevention plan with the highest priority among the initial year plans were executed. In 1983, the final report was sent.					
25	Bohol State Comprehensive Development Plan Survey	Although the feasibility study of the irrigation in this area by JICA was already executed, the comprehensive development plan centered around Wahig-Panacusalan district of this irrigation plan district in prepared by the request of the Philippine government and in 1978, the prior survey was executed and after the scope of work was prepared, the signature was made with the Philippine government. In 1979, the complete survey for the comprehensive development plan in which the stress is put on the agriculture, domestic industry, irrigation and bay was executed.	1978	Preliminary survey	7. 25, 1978 - 8. 20, 1978	9	11,908
			1979	Field survey	4. 22, 1979 - 4. 28, 1979	2	85,086
			"	Field survey	7. 10, 1979 - 9. 29, 1979	19	
			"	Explanation of the report	12. 6, 1979 - 12. 19, 1979	4	
			Cumulative total:				96,994
26	Manila to Batern and C-5 and C-6 Roads Construction Plan Survey	For Manila metropolitan area, Manila to Batern road to connect Manila metropolitan area and Batern Peninsula along the northern seaside of Manila bay to solve the problem of the city caused by concentrated population and poor maintenance of the road network and as one method of local dispersion of the industry was planned. This plan performs F/S concerning the construction plan of a part of Manila to Batern road (approximately 12 Km and a part of c-5 and c-6 roads (9 Km and 13 Km, respectively). Incidentally, this survey is based on the route proposed by Manila metropolitan area city traffic facility fundamental plan prepared in the survey by OTCA in 1971 and is conducted subsequent to R-10, C-3 and R-4 roads executed in 1974 and 1977.	1978	Preliminary survey	8. 30, 1978 - 9. 10, 1978	5	3,584
			"	Field survey	2. 3, 1979 - 3. 25, 1979	13	37,609
			1979	Field survey	6. 19, 1979 - 7. 18, 1979	10	27,713
			"	Field survey	7. 19, 1979 - 11. 15, 1979	12	99,205
			"	Field survey	10. 14, 1979 - 10. 21, 1979	2	
			"	Field survey	11. 2, 1979 - 11. 10, 1979	2	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1979	Field survey	2. 14, 1980 - 2. 21, 1980	5	
			1980	Field survey		0	310
			Cumulative total				168,421
27	Hospital Maintenance Plan Survey	This plan is executed as a part of the National Health Plan of Philippine and aims the standardization of the construction, enlargement and operation of 19 hospitals in Region I and II. Especially, the Philippine government puts the stress on the effective and efficient mechanism at the health and sanitary service and integration and adjustment of the preventive and medical system. In 1978, concerning the specification list by the Philippine side of the building and facility and cost estimation by the Philippine side of each list of the building, facility and medical equipment related to covered 19 hospitals, the comparison between the current status and plan was conducted. In 1979, the collection of the data and document required for the evaluation and investigation of the plan by the domestic work was conducted by the local survey.	1978	Preliminary survey	11. 19, 1978 - 12. 8, 1978	5	3,205
			"	Field survey	3. 1, 1979 - 4. 10, 1979	8	
			"	Field survey	4. 4, 1979 - 4. 10, 1979	2	15,941
			1979	Field survey	7. 26, 1979 - 8. 4, 1979	2	
			"	Explanation of reports	7. 30, 1979 - 8. 10, 1979	4	62,968
			Cumulative total				82,114
28	Philippine Engineering University Comprehensive Technical Research Training Centre Construction Plan Survey	The Philippine government planned the construction of the comprehensive technical research training centre is Philippine Engineering University to aim fostering of engineer who is essential to the industry and economical deployment and asked Japan for me gratuitous fund cooperation. For this purpose, the discussion with the organization related to the Philippine government and the local survey required	1978	(J) (Preliminary)	11. 11, 1978 - 11. 20, 1978	4	
			"	(J)	1. 23, 1979 - 2. 9, 1979	9	21,039
			"	(J)(Report)	3. 18, 1979 - 3. 27, 1979	5	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
		for the construction were conducted and at the same time, the fundamental design report was prepared.	1979	(J)		0	16,555	
			"	(J)	3. 13, 1980 - 3. 22, 1980	2	2,118	
			Cumulative total					39,712
29	Tropical Medical Research Centre construction plan survey	Philippine is the group of islands consisting of approximately 7,000 islands in the western pacific ocean extending from the north latitude 5° to 20° and the sanitary condition is not excellent and especially, the death by the contagious disease is high and it becomes the serious problem. For this reason, the Philippine government asked Japan for the gratuitous fund cooperation to establish the tropical medical research centre. Based on this request, the fundamental design and local survey required for the building were conducted and at the same time, the fundamental design report was prepared.	1978	(J)Preliminary	11. 28, 1978 12. 12, 1978	4	20,366	
			"	(J)	1. 24, 1979 - 3. 21, 1979	11		
			1979	(J)		0	16,747	
			Cumulative total					37,113
30	Dabao City Traffic Plan Survey	Dabao city is the state city located at the south eastern part of Mindano Island and has the population of approximately 400,000 and the area of approximately 2,200 Km <sup>2</sup> . To respond to the intracity problem of this city in the future which is remarkably developing recently, the land utilization plan is considered and the development pattern and comprehensive traffic system are investigated and analyzed and the comprehensive traffic network plan of this city in the future is prepared and also the emergency plan which must be executed in the near future is proposed.  In 1978, the prior security was executed and	1978	Preliminary survey	12. 5, 1978 - 12. 19, 1978	5	3,151	
			1979	Field survey	8. 15, 1979 - 9. 23, 1979	12	62,587	
			"	Field survey	10.14, 1979 - 11. 30, 1979	5		
			"	Field survey	1. 13, 1980 - 2. 10, 1980	3		
			"	Field survey	2. 7, 1980 - 2. 21, 1980	4		

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		subsequently in 1979, the local survey, collection of document and traffic amount survey (PT survey by home interview) were executed. In 1980, the local survey to prepare the comprehensive traffic system (master plan) in each field of the city traffic control system, road network plan and public transportation system in the future was executed.	1980	Field survey	5. 18, 1980 - 1. 31, 1981	14	174,389
			"	Field survey	6. 3, 1980 - 11. 15, 1980	7	
			"	Field survey	8. 3, 1980 - 11. 28, 1980	1	
			"	Field survey	9. 1, 1980 - 10. 30, 1980	1	
			"	Field survey	1. 4, 1981 - 3. 19, 1981	6	
			"	Field survey	1. 23, 1981 - 3. 8, 1981	1	
			"	Field survey	2. 24, 1981 - 3. 4, 1981	3	
			1981	Field survey	5. 18, 1981 - 10. 14, 1981	9	86,534
			"	Field survey	6. 2, 1981 - 6. 13, 1981	3	
			"	Field survey	8. 16, 1981 - 9. 14, 1981	4	
					Cumulative total		
31	Fishery Training Survey Ship Fundamental Design Survey	The Philippine government asked Japan for the gratuitous fund cooperation to equip the training and survey ship with Philippine University in order to intend to develop and secure the abundant fishery resource and fishing field in the sea area of Philippine and improve the fishery method and fishing technology. Responding to this	1979	(J)	8. 20, 1979 - 9. 19, 1979	6	13,739

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)		
		request, the actual status and special concept of the fishery of Philippine were surveyed and the fundamental design report of the training and survey ship which is most suitable in terms of technical and economical aspects was prepared.							
32	Matsuno River Development Plan Survey	Concerning approximately 20,000 ha ranging in the basin of Matsuno river in Nueva Biscaya State in the northern Luzon, to aim majorly the preparation of the irrigation development plan and also as a part of the comprehensive development of this area, the flood adjustment and power generation development plan are conducted together. In March, 1980, the prior survey team was dispatched and based on S/W discussion in October, 1981, the local survey in 3 years to 1983 was conducted.	1979	Preliminary survey	3. 3, 1980 - 3. 20, 1980	6	6,765		
			1980	Preliminary survey		0	330		
			1981	Field survey	10. 25, 1981 - 10. 31, 1981	5	55,057		
			"	Field survey	1. 18, 1982 - 1. 24, 1982	3			
			"	Field survey	1. 18, 1982 - 3. 18, 1982	4			
			1982	Field survey	7. 4, 1982 - 9. 1, 1982	10	185,450		
			"	Field survey	10. 22, 1982 - 2. 15, 1983	13			
			"	Field survey	11. 14, 1982 - 3. 5, 1983	15			
			1983	Field survey	7. 13, 1983 - 7. 21, 1983	3	54,585		
			"	Field survey	12. 1, 1983 - 12. 17, 1983	5			
				Cumulative survey					302,187

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
33	Panpanga River Delta Development Plan Survey	<p>Although the Philippine government prepared the master plan required for the development plan of Panpanga river delta area and determined the concrete measure including the flood countermeasure, the Philippine government asked Japan for the review of this master plan and feasibility study. Responding to this request, the survey of actual status of Panpanga river and Riotio river was conducted in order to recommend the flood countermeasure and development in the future, the prior survey were conducted in 1979 and in 1980, the preparation of the topological drawing and review of the master plan were conducted.</p> <p>In 1981, the complete local survey was executed and the final report was prepared and submitted.</p>	1979	Preliminary survey	2. 17, 1980 - 3. 1, 1980	6	4,478
			1980	Preliminary survey		0	64,767
			"	Field survey	5. 12, 1980 - 5. 20, 1980	5	213,690
			"	Field survey	6. 30, 1980 - 8. 28, 1980	2	
			"	Field survey	7. 13, 1980 - 12. 9, 1980	11	
			"	Field survey	10. 20, 1980 - 12. 25, 1980	7	
			"	Field survey	10. 22, 1980 - 10. 28, 1980	3	
			"	Field survey	11. 6, 1980 - 12. 20, 1980	1	
			"	Field survey	11. 16, 1980 - 12. 9, 1980	1	
			"	Field survey	11. 17, 1980 - 12. 15, 1980	1	
			1980	Field survey	12. 4, 1981 - 12. 18, 1980	1	
			"	Field survey	1. 5, 1981 - 3. 19, 1981	6	
			"	Field survey	3. 17, 1981 - 3. 24, 1981	6	



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1981	Field survey	6. 3, 1981 - 11. 27, 1981	15	152,374
			"	Field survey	6. 23, 1981 - 6. 30, 1981	3	
			"	Field survey	9. 21, 1981 - 9. 26, 1981	3	
			"	Field survey	11. 27, 1981 - 12. 10, 1981	6	
			Cumulative total				435,309
34	Middle Luzon Electric Communication Network Maintenance Plan Survey	The Philippine government asked Japan for the feasibility study of middle Luzon electric communication network plan as a part of the electric communication work 10 year plan (1978 to 1987). Responding to this request, the discussion with the related organization of Philippine was held in 1979 and the prior survey was conducted in order to confirm the range and size of this survey. In addition, in 1980, the domestic analysis work based on the local survey was conducted.	1979	Preliminary survey	3. 19, 1980 - 4. 3, 1980	5	3,294
			1980	Preliminary survey		0	644
			"	Field survey	3. 16, 1981 - 4. 4, 1981	5	38,150
			1981	Field survey	(preparation of the reports)	0	3,918
			Cumulative total				46,006
35	Metropolitan Area South District Major Road Network Plan Survey	In order to mitigate the heavy traffic in Manila metropolitan area south district, F/S related to the road construction and maintenance of total 3 lines with total length of 39.2 Km of the road of 7.7 Km between Paranaque and Sacat in the metropolitan area south district, road of 10.5 Km between Alabang and Zapot and loop road of 21 Km among Taguig, Laspinas and Montinlupa was conducted.	1980	Preliminary survey	12. 3, 1980 - 12. 17, 1980	5	3,081
			"	Field survey	3. 15, 1981 - 6. 20, 1981	6	22,713
			1981	Field survey	6. 7, 1981 - 6. 13, 1981	3	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1981	Field survey	9. 1, 1981 - 12. 25, 1981	7	145,750
			"	Field survey	10. 15, 1981 - 12. 15, 1981	1	
			"	Field survey	10. 21, 1981 - 10. 28, 1981	2	
			"	Field survey	2. 4, 1982 - 2. 13, 1982	4	
			1982	Field survey		0	
			Cumulative total				171,819
36	Local City Water Supply Plan Survey	Based on the water supply maintenance plan of the local city such as Loagu city in Iconos state, the master plan and feasibility study were executed.	1980	Preliminary survey	1. 19, 1981 - 2. 8, 1981	5	5,166
			"	Preliminary survey	3. 22, 1981 - 3. 26, 1981	3	
			1981	Preliminary survey		0	342
			"	Field survey	6. 28, 1981 - 12. 27, 1981	11	148,683
			"	Field survey	9. 9 1981 - 9. 19, 1981	1	
			"	Field survey	9. 26, 1981 - 10. 2, 1981	2	
			"	Field survey	10. 28, 1981 - 12. 27, 1981	2	
			"	Field survey	11. 2, 1981 - 11. 8, 1981	2	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1981	Field survey	12. 14, 1981 - 12. 20, 1981	3	
			1982	Field survey	4. 19, 1982 - 4. 28, 1982	6	28,740
			Cumulative total				182,931
37	Ireen Port Maintenance Plan Survey	M/P concerning the maintenance plan of Ireen port at the northern end of Luzon Island which is expected to play the important role for the local economic growth was prepared and at the same time, F/S concerning the item requiring urgent maintenance was conducted.	1980	Preliminary survey	1. 27, 1981 - 2. 10, 1981	5	2,870
			1981	Preliminary survey		0	459
			"	Field survey	5. 10, 1981 - 6. 30, 1981	11	
			"	Field survey	9. 23, 1981 - 9. 30, 1981	3	132,392
			"	Field survey	1. 27, 1982 - 2. 3, 1982	4	
			1982	Field survey		0	275
			Cumulative total				135,996
38	INNOTECH Education and Training Centre Fundamental Plan Survey	Based on the construction plan of Philippine South East Asia education renovation research centre which is one of SEAMEO installed in Thailand, the fundamental design survey is conducted. In 1980, the related prior survey was executed.	1980	(J) (Preliminary)	11. 10, 1980 - 11. 23, 1980	4	7,130

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
39	Mineral Analysis Research Centre Construction Plan Fundamental Design Survey	The fundamental design survey related to the mineral analysis research centre construction plan is executed and the fundamental design document is prepared.	1980	(J) (Preliminary)	3. 2, 1981 - 3. 22, 1981	6	13,283
			1981	(J)	5. 11, 1981 - 5. 16, 1981	3	17,548
			Cumulative total				30,831
40	Cotabato River Downstream Basin Development Plan Survey	The master plan survey of the water resource development centered around the river plan, agricultural development and irrigation water discharge plan in Cotabato river downstream basin of the middle part of Mindano Island is executed. In 1980, the prior survey was executed and the implementing agreement was signed with Philippine.  The execution of the complete survey in 1981 was suspended due to the security problem.	1980	Preliminary survey	2. 24, 1981 - 3. 14, 1981	6	4,211
			1981	Preliminary survey		0	55
			"	Field survey	7. 19, 1981 - 7. 25, 1981	3	1,390
			Cumulative total				5,656
41	Dalton Bus Tunnel Plan	F/S related to the improvement plan and vertical surface hazard preventive counter-measure including the tunnel plan of the area centered around the National Road No. 5, Dalton bus was conducted.	1980	Preliminary survey	1. 25, 1981 - 2. 8, 1981	4	2,578
			"	Field survey	3. 29, 1981 - 5. 27, 1981	3	17,273
			1981	Field survey	4. 12, 1981 - 5. 26, 1981	3	24,690
			"	Field survey	5. 24, 1981 - 12. 13, 1981	12	
			"	Field survey	6. 27, 1981 - 7. 4, 1981	2	
			"	Field survey	8. 9, 1981 - 8. 18, 1981	2	172,761

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1981	Field survey	8. 27, 1981 - 11. 12, 1981	2	
			"	Field survey	10. 27, 1981 - 11. 3, 1981	3	
			"	Field survey	11. 21, 1981 - 12. 13, 1981	1	
			1982	Field survey		0	238
			Cumulative total				217,540
42	Mabini District Agricultural Development Plan Survey	The Philippine government which adopted the water resource development as the important item of Philippine's 5 year plan asked Japan for the preparation of the agricultural development plan in Mabini district. This plan constructs the dam with height of approximately 60 m and length of approximately 450 m in Pasonkajin river in the suburban district of Mabini city located approximately 250 km in northern west of Manila and in the western part of Panganan State, irrigates approximately 10,000 ha of the beneficiary district in approximately 15,000 ha of Mabini, Alaminos, and Bani cities and investigates the possibility of double cropping of rice in the whole beneficiary district and power generation. In 1981, subsequent to the prior survey in the previous year, the complete survey was executed and based on this survey, the final report was prepared in March, 1982.	1980	Preliminary survey	1. 19, 1981 - 2. 5, 1981	6	3,823
			1981	Preliminary survey		0	325
			"	Field survey	9. 16, 1981 - 12. 14, 1981	11	
			"	Field survey	9. 25, 1981 - 12. 13, 1981	6	
			"	Field survey	10. 16, 1981 - 11. 14, 1981	1	
			"	Field survey	11. 1, 1981 - 12. 15, 1981	1	
			"	Field survey	11. 25, 1981 - 12. 5, 1981	3	
			"	Field survey	2. 22, 1982 - 2. 28, 1982	6	
			1982	Field survey		0	110

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
			Cumulative total				106,975	
43	Alcogas Plan	<p>Although the Philippine government promotes the development of alternate energy with the background of skyrocketing price rise of the oil, as a part of its development, the Philippine government proceeds the fermented alcohol utilization plan as the national alcogas plan, according to this plan, 20% of the gasoline consumed amount is replaced by alcohol upto 1985 and the Philippine government asked Japan for the execution of F/S concerning the model plant from the plantation of sweet potato, etc. to the construction of the alcohol refining plant. Based on this request, in 1980, the prior survey was executed and the content of request of the Philippine government was confirmed and at the same time, the primary survey was executed subsequently.</p> <p>In addition, in 1981, the primary and secondary execution surveys were conducted and in 1982, the final report was summarized and submitted to the Philippine government.</p>	1980	Preliminary survey	12. 8, 1980 - 12. 17, 1980	8	4,138	
			"	Field survey	3. 19, 1981 - 4. 8, 1981	9	88	
			1981	Preliminary survey		0	651	
			"	Field survey	6. 17, 1981 - 7. 31, 1981	7	130,152	
			"	Field survey	7. 2, 1981 - 7. 31, 1981	2		
			"	Field survey	7. 14, 1981 - 7. 28, 1981	1		
			"	Field survey	7. 21, 1981 - 8. 1, 1981	3		
			"	Field survey	9. 9, 1981 - 10. 22, 1981	1		
			"	Field survey	9. 14, 1981 - 10. 22, 1981	3		
			"	Field survey	11. 1, 1981 12. 24, 1981	12		
			"	Field survey	3. 21, 1982 - 3. 27, 1982	4		
			1982	Field survey	(Work done in Japan)			4,095
			Cumulative total					139,124

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
44	Manila Metropolitan Area Northern District Main Road Network Plan	<p>F/S concerning the road network plan of the northern part circulating roads No. 5 line and No. 6 line in order to mitigate the heavy traffic in Manila metropolitan area is executed and in 1982, the surveys such as 1) data collection and analysis, 2) estimation of traffic amount, 3) geological survey, 4) route selection and 5) economic evaluation were executed.</p> <p>In 1983, the comment of the Philippine side concerning the survey result of C-5Rd, C-6Rd, Mindano Ave and Visayas Rd which are the covered segments was received and the final report was prepared.</p>	1981	Preliminary survey	2. 4, 1982 - 2. 3, 1982	3	1,124
			1982	Field survey	6. 27, 1982 - 7. 4, 1982	3	150,945
			"	Field survey	6. 27, 1982 - 12. 8, 1982	2	
			"	Field survey	6. 27, 1982 - 3. 23, 1983	3	
			"	Field survey	7. 11, 1982 - 8. 16, 1982	4	
			"	Field survey	9. 17, 1982 - 12. 15, 1982	9	
			"	Field survey	12. 9, 1982 - 3. 19, 1983	5	
			1983		(Work done in Japan)		
			Cumulative total				162,031
45	Southern Part Luzon Electric Communication Network Maintenance Plan	<p>The demand is high and the circuit capacity is insufficient and moreover, it is degraded and causes the maintenance problem. The feasibility study concerning the maintenance plan of the electric communication network in the southern Luzon district was conducted subsequent to the northern Luzon and the middle Luzon districts.</p>	1981	Preliminary survey	2. 8, 1982 - 2. 27, 1982	6	3,874
			1982	Field survey	10. 6, 1982 - 10. 16, 1982	4	5,917
			1983	Field survey	(Preparation of report)	-	45
			Cumulative total				9,836

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
46	Manila Metropolitan Area City Traffic Plan Survey (Phase I)	This project reviews the existing master plan in order to maintain the city traffic network of Manila metropolitan area of which the traffic situation is degrading and newly prepares the comprehensive city traffic plan and in 1981, the contact mission was dispatched to confirm the content of request and collect the document and in 1982, the prior survey team was dispatched and S/W was concluded. Subsequently, in 1983, the maintenance of the traffic data base, analysis of the traffic system, development of the traffic plan methodology and preparation of LRT Coleed related short term public transportation line reorganization plan were executed and the final report was submitted in March, 1983.	1981	Preliminary survey	4. 10, 1982 - 4. 23, 1982	5	1,829
			1982	Preliminary survey	7. 20, 1982 - 7. 31, 1981	4	1,989
			"	Field survey	11. 3, 1982 - 11. 10, 1982	3	85,752
			"	Field survey	11. 3, 1982 - 3. 12, 1983	12	
			"	Field survey	4. 6, 1983 - 4. 13, 1983	2	
			1983	Field survey	5. 26, 1983 - 11. 24, 1983	21	181,448
	(Phase II)	Subsequent to the plan preparation of LRT related district of Phase I, the short term and medium term traffic plans of Manila metropolitan area other the LRT related area were prepared.	1983	Preliminary survey	3. 6, 1984 - 3. 13, 1984	2	944
			1984	Field survey	6. 25, 1984 - 2. 17, 1985	24	194,163
			"	Field survey	2. 26, 1985 - 3. 6, 1985	4	
			1985	Field survey	(Work done in Japan)	-	24,395
			Cumulative total				



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
47	Irrigation System Maintenance and Control Strengthening	<p>JICA and NIA execute F/S covering 21 existing irrigation facilities (approximately 160,000 ha) of Philippine. Major contents of the survey are the restoration and improvement plan of irrigation facility and the preparation of the water discharge countermeasure. Responding to the request by Philippine, the prior survey was conducted from February, 1982 to March, 1982 and the agreement that the execution survey was completed for 2 years was obtained. In 1982, the primary execution survey (local survey), the preparation of the primary interim report and the technical instruction of F/S executed by NIA were conducted.</p> <p>In 1983, subsequently, the secondary execution survey was conducted and F/S report was prepared.</p>	1981	Preliminary survey	2. 24, 1982 - 3. 13, 1982	6	4,256
			1982	Preliminary survey	7. 5, 1982 - 7. 15, 1982	3	2,273
			"	Field survey	9. 22, 1982 - 1. 31, 1983	12	185,694
			"	Field survey	10. 13, 1982 - 1. 31, 1983	11	
			"	Field survey	12. 11, 1982 - 3. 20, 1983	2	
			1983	Field survey		-	74
			"	Field survey	5. 19, 1983 - 9. 4, 1983	19	175,497
			"	Field survey	12. 11, 1983 - 12. 17, 1983	6	
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
48	Fishery Product Distribution System Maintenance Plan	<p>The Philippine government planned to construct the ice making facility and refrigeration facility at the small sized fishing part in Philippine in order to intend the maintenance of the fishery product distribution system and asked Japan for F/S concerning this plan in June, 1981.</p> <p>Responding to this request, the prior survey team was dispatched in February, 1982 and when the content of request by the Philippine government was confirmed and the opinion was exchanged in April, 1982, the content of request was changed to M/P survey and the request was made again.</p> <p>Based on this request, in August, 1982, I/P (Implementation Agreement) survey team was dispatched and after the execution procedure of the complete survey was exchanged with the Philippine government, the primary complete survey was executed for approximately 4 months from November, 1982. In 1984, the secondary complete survey was executed and the final report was summarized and sent.</p>	1981	Preliminary survey	7. 4, 1982 - 2. 27, 1982	4	4,476
			1982	Preliminary survey	(Preparation of report)	0	524
			1983	Preliminary survey	8. 23, 1983 - 9. 3, 1983	4	2,113
			"	Field survey	11. 24, 1983 - 3. 22, 1984	9	71,174
			1984	Field survey		-	58
			"	Field survey	6. 25, 1984 - 10. 7, 1984	11	89,468
			"	Field survey	1. 28, 1985 - 2. 2, 1985	4	
				Cumulative total			
49	Ocean Resource Search Ship Plan Survey	The fundamental design survey related to the supply of the ocean resource search ship and installed equipment required for the mineral resource search and geological survey of the continental shelf was executed.	1981	(J)	1. 24, 1982 - 1. 30, 1982	3	2,443
			1982	(J)	4. 10, 1982 - 4. 24, 1982	7	18,119
			"	(J)	8. 8, 1982 - 8. 14, 1982	2	
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
50	Social Science Centre Construction Plan Survey	The fundamental design survey related to the construction of the social science centre which becomes the central existence of the science related research and information culture activity in each field of the social science and cultural science was executed.	1981	(J)	6. 22, 1981 - 7. 12, 1981	5	26,298
			"	(J)	8. 12, 1981 - 8. 18, 1981	3	
51	Middle Luzon Large Freshwater Fish Raising Centre Training Research Facility Construction Plan Survey	The fundamental design survey related to the construction of the training research facility of the Middle Luzon large freshwater raising centre to aim the freshwater fish resource development was executed.	1981	(J)	6. 24, 1981 - 7. 14, 1981	7	20,020
			"	(J)	7. 9, 1981 - 9. 12, 1981	3	
52	San Fernand Port Maintenance Plan	The preparation of the master plan (aiming 2000) and F/S of the short term maintenance plan (aiming 1990) to develop San Fernand port in Philippine are executed and in October, 1982, the prior survey team were dispatched and as a result of the discussion with Philippine's related authority, I/A concerning the frame work of the cooperation was determined and based on this determination, the complete survey was executed. In 1983, the survey result was summarized as the final report and submitted to the Philippine government.	1982	Preliminary survey	10. 5, 1982 - 10. 16, 1982	1	3,466
			"	Preliminary survey	10. 5, 1982 - 10. 19, 1982	4	
			"	Field survey	2. 15, 1983 - 3. 22, 1983	4	16,295
			"	Field survey	2. 25, 1983 - 4. 27, 1983	3	
			1983	Field survey	12. 12, 1983 - 12. 17, 1983	1	22,533
			"	Field survey	5. 17, 1983 - 7. 6, 1983	4	85,696
			"	Field survey	9. 27, 1983 - 10. 8, 1983	4	
"	Field survey	12.12, 1983 - 12. 17, 1983	5				



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
54	Weather Communication Network Maintenance Plan	This project performs the local survey of various electric wave propagation tests to aim the execution of F/S related to the maintenance of the integrated system ranging from the collection of weather data to transmission concerning the weather communication network of whole Philippine which is under the degraded condition and in January, 1985, the final report was submitted.	1982	Preliminary survey	11. 1, 1982 - 11. 18, 1982	5	3,532
			1983	Field survey	9. 28, 1983 - 3. 30, 1984	9	184,428
			"	Field survey	11. 2, 1983 - 1. 30, 1984	6	
			"	Field survey	11. 28, 1983 - 3. 30, 1984	8	
			1984	Field survey	7. 1, 1984 - 7. 15, 1984	2	73,277
			"	Field survey	10. 21, 1984 - 10. 31, 1984	7	
			Cumulative total				
55	Philippine Road Hazard Prevention Plan	The dangerous hazard location was selected by covering Japan and Philippine friendship road and major national roads in the vicinity of Bagio city and concerning the high priority location among them, Phase I and Phase II were provided as follows and P/S of the restoration method, prevention countermeasure, etc. was executed.  (Phase I) 3 segments of Daltonbas segment, Mahaburagu to Sogodo segment and Kenon road  (Phase II) 3 segments of Lucena to Karawag segment, Alen to Kalbayog segment and Nagirian road	1982	Preliminary survey	2. 2, 1983 - 2. 11, 1983	1	2,714
			"	Preliminary survey	2. 2, 1983 - 2. 13, 1983	4	
			1983	Preliminary survey	(Preparation of report)		546
			"	Field survey	5. 17, 1983 - 3. 15, 1984	25	165,099
			1984	Field survey	10. 1, 1984 - 3. 25, 1985	10	12,909
			1984	Preliminary survey	7. 26, 1984 - 8. 6, 1984	4	2,394

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1984	Field survey	1. 15, 1985 - 3. 20, 1985	7	87,861
			1985	Field survey	(Work done in Japan)	-	9,926
			Cumulative total				281,449
56	Infanta Rial City Development Plan	M/P of the city development of Infanta Rial area located in the east of Manila city is prepared. In 1984, the evolution of the development framework of this area and related alternate draft was completed and the final report was summarized with the development priority.	1982	Preliminary survey	3. 21, 1983 - 4. 2, 1983	4	3,106
			"	Preliminary survey	3. 25, 1983 - 4. 2, 1983	1	
			1983	Preliminary survey	(Preparation of report)	0	416
			"	Field survey	8. 1, 1983 - 1. 10, 1984	15	119,239
			"	Field survey	12. 8, 1983 - 3. 17, 1984	10	
			1984	Field survey	5. 31, 1984 - 11. 30, 1984	21	99,408
			"	Field survey	1. 14, 1985 - 1. 30, 1985	1	
			Cumulative total				222,169

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
57	Asue River Basin Agricultural Development Plan	<p>Asue river basin comprehensive development plan including the maintenance of infrastructure of agricultural road, etc. centered around the irrigation facility by covering approximately 6,700 ha of Asue river basin located in the north eastern part of Banai Island approximately 450 km apart in the south of Manila city is prepared. In 1982, the prior survey and S/W discussion were executed and in 1983, the topological drawing/reduction (1/4,000) of the area covered by the survey was prepared.</p> <p>In 1984, the technological and economical possibility of this project was investigated and the final report (draft) was prepared and in 1985, after the content was explained to Philippine, the report was submitted.</p>	1982	Preliminary survey	11. 16, 1982 - 12. 9, 1982	6	6,021
			"	Preliminary survey	1. 26, 1983 - 2. 2, 1983	3	
			1983	Field survey	5. 30, 1983 - 7. 26, 1983	4	48,546
			1983	Field survey	12. 5, 1983 - 12. 19, 1983	2	
			1984	Field survey	6. 5, 1984 - 8. 18, 1984	13	163,597
			"	Field survey	9. 3, 1984 - 10. 2, 1984	2	
			"	Field survey	10. 18, 1984 - 12. 16, 1984	9	
			"	Field survey	11. 29, 1984 - 12. 6, 1984	3	
			1985	Field survey	5. 25, 1985 - 5. 30, 1985	5	8,044
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
58	Crocodile Farming Research Centre Construction Plan	The Philippine government asked Japan for F/S based on the plan to install the crocodile farming centre in Philippine and perform the farming test of the crocodile and at the same time, perform fostering and training of the crocodile farming technician and technical instruction in Philippine. Since it was judged that the correspondence to this project by the gratuitous fund cooperation and project method technical cooperation was suitable, this policy was understood when the contact survey team was dispatched and the discussion was held with the Philippine government in 1982. Based on this result, the fundamental design related to the crocodile farming technology research facility was conducted in 2 years of 1983 and 1984.	1982	Preliminary survey	12. 3, 1982 - 12. 10, 1982	5	2,447
			1983	(J)	11. 3, 1983 - 11. 22, 1983	6	15,821
			1984	(J)	10. 29, 1984 - 11. 20, 1984	6	21,231
			"	(J)	1. 31, 1985 - 2. 10, 1985	5	
			Cumulative total				39,499
59	Gumain River Irrigation Development Plan	The irrigation development plan to construct the new irrigation water discharge facility in Gumain river basin of the middle part of Luzon and by repairing the existing irrigation water discharge facility, enlarge the irrigation area (covered district of approximately 16,000 ha) and improve the irrigation efficiency and intend the increase of production of the rice and other products is prepared. In 1982, the prior survey was conducted and the fundamental policy concerning the execution of F/S was determined.  In 1983, the preparation of the topological drawing of the area covered by the development and the local survey were executed and in 1984, the final report of the development plan was prepared and sent.	1982	Preliminary survey	1. 24, 1983 - 2. 5, 1983	6	3,498
			1983	Field survey	5. 25, 1983 - 9. 3, 1983	12	175,330
			"	Field survey	1. 5, 1984 - 3. 15, 1984	10	
			"	Field survey	2. 29, 1984 - 3. 29, 1984	6	
			1984	Field survey	6. 3, 1984 - 6. 30, 1984	5	88,549
			"	Field survey	10. 25, 1984 - 10. 31, 1984	6	
			Cumulative total				267,377



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
60	Batarn Destitute Centre Construction Plan	The fundamental design survey related to the enlargement of the medical and training facility of the destitute protection and training centre which was established and controlled by the Philippine government responding to the request of the United Nations was executed.	1982	(J)	1. 16, 1983 - 2. 24, 1983	7	16,924
61	Library Belonging to Nomal College Construction Plan	The fundamental design survey related to the construction of the library which integrates libraries dispersed in each faculty of the university into one library was executed.	1982	(J)	1. 19, 1983 - 2. 8, 1983	6	11,475
			"	(J)	4. 3, 1983 - 4. 14, 1983	4	
			1983	(J)	(Work done in Japan)		14,651
			Cumulative total				26,126
62	Local Environment and Sanitation Pilot Plan	The fundamental design survey related to the plan to construct the water supply, public toilet and environment sanitation, education centre in the local village as the model case and prevail the public sanitation was executed.	1982	(J) (Preliminary)	1. 6, 1983 - 1. 15, 1983	4	2,139
			1984	(J)	5. 27, 1984 - 7. 5, 1984	7	28,898
			"	(J)	9. 28, 1984 - 10. 5, 1984	3	
			Cumulative total				31,037

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
63	Bohol Agricultural Promotion Complex Plan	The fundamental design survey related to the construction of the facility of the agricultural promotion complex plan as a part of Bohol State comprehensive local development plan was executed.	1982	(J)	9. 28, 1982 - 10. 14, 1982	5	21,982
			"	(J)	1. 19, 1983 - 1. 29, 1983	3	
			1983	(J)	(Work done in Japan)		25
			Cumulative total				
64	High Class Chemical Research Centre Construction Plan	The fundamental design survey related to the construction of the high class chemical research centre which is planned to be installed in Ateneo University in Manila City was executed.	1982	(J)	6. 28, 1982 - 7. 17, 1982	6	28,019
			"	(J)	8. 29, 1982 - 9. 4, 1982	3	
65	Agricultural Village Industry Related Agricultural Village Development Centre Construction Plan (ASEAN Member Fostering Plan)	The fundamental design survey related to the construction of the facility required to foster various technicians to aim the agricultural village development and improvement of the life level of the nation was executed.	1982	(J)	4. 10, 1982 - 4. 23, 1982	2	35,196
			"	(J)	8. 3, 1982 - 9. 10, 1982	4	
			"	(J)	10. 10, 1982 - 10. 30, 1982	7	
			"	(J)	12. 2, 1982 - 12. 21, 1982	3	
66	Assistance Evaluation Survey		1982	(M)	6. 23, 1982 - 6. 26, 1982	5	827
67	Economical Technology Cooperation Survey	Refer to the general world.	1982	Preliminary survey	6. 27, 1982 - 6. 30, 1982	7	1,133
68	Agricultural Cooperation Survey		1982	(L)	6. 27, 1982 - 6. 30, 1982	8	1,541

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
69	Saroke Multi-Purpose Dam Plan (Water Science and Irrigation Department)	The review of F/S of the construction plan of Saroke multi-purpose dam in the middle stream of Agno river in the middle part of Luzon Island is executed. In 1983, after the contact mission was dispatched and the possibility of the cooperation was investigated in July, S/W was concluded in October and the dry season complete survey of the water science and irrigation departments was executed from November.  This survey result was summarized and the first report of the water science and irrigation departments was prepared and submitted in 1985.	1983	Preliminary survey	7. 27, 1983 - 8. 5, 1983	8	8,441
			"	Field survey	10. 17, 1983 - 10. 24, 1983	3	40,710
			"	Field survey	11. 21, 1983 - 12. 20, 1983	5	
			"	Field survey	12. 12, 1983 - 5. 31, 1983	3	
			1984	Field survey	5. 17, 1984 - 5. 31, 1984	2	12,977
			"	Field survey	5. 24, 1984 - 5. 30, 1984	2	49,449
			"	Field survey	6. 1, 1984 - 11. 30, 1984	3	
			1985	Field survey	7. 15, 1984 - 7. 20, 1984	3	6,303
				Cumulative total			
70	Economical Technology Cooperation Survey	Refer to the general world.	1984	Preliminary survey	7. 19, 1984 - 7. 27, 1984	6)	1,481

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
71	Bohol Irrigation Development Plan (Phase II)	By utilizing the excessive water of Phase I of which the construction is proceeded by the survey executed by this work team in 1977, approximately 5,500 ha of the downstream basin is irrigated and developed and the cash crop centered around the water rice is introduced and the enlargement of the agricultural production is intended. In 1983, the prior survey and the conclusion of S/W were conducted and in 1984, the preparation of the topological drawing (1/4,000) of the covered area and the local survey were executed. In 1985, based on the result of this survey, the final report was prepared by the domestic work.	1983	Preliminary survey	7. 19, 1983 - 7. 27, 1983	6)	1,481
			1983	Preliminary survey	1. 29, 1984 - 2. 12, 1984	5	3,680
			1984	Field survey	7. 2, 1984 - 9. 5, 1984	3	92,534
			"	Field survey	1. 15, 1985 - 5. 31, 1985	17	
			1985	Field survey	5. 19, 1985 - 5. 25, 1985	3	100,940
			"	Field survey	9. 22, 1985 - 9. 28, 1985	4	
			Cumulative total				
72	Bagio City Sewage Treatment Facility Construction Plan	The fundamental design survey related to the construction of the sewage treatment facility to cover the population of 60,000 of Bagio City was executed.	1983	(J)	5. 30, 1983 - 6. 7, 1983	4	12,687
			"	(J)	2. 8, 1984 - 4. 29, 1984	6	
			1984	(J)	4. 22, 1984 - 4. 29, 1984	5	15,231
			Cumulative total				
73	National Navigation Technology Training Centre Enlargement Plan	The fundamental design survey related to the construction of the facility and supply of the equipment for the reeducation of the crew was executed.	1983	(J)	8. 18, 1983 - 9. 1, 1983	1	27,429
			"	(J)	10. 12, 1983 - 11. 1, 1983	8	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
74	Don Marino Marcos Memorial National University Agro-forestry Complex Construction Plan	The fundamental design survey related to the construction of the facility which performs the research and development of the suitable technology to promote fostering of the agroforestry and education and prevailing activity was executed.	1983	(J)	10. 25, 1983 - 11. 14, 1983	6	20,039
			"	(J)	1. 27, 1984 - 2. 3, 1984	4	
75	ASEAN Countries Economical Technology Cooperation Survey	Refer to the general Asia.	1983	Preliminary survey	10. 30, 1983 - 11. 12, 1983	2)	(428)
76	Local City Water Supply Maintenance Plan	Based on the request by the Philippine government, the long term fundamental plan concerning the water supply maintenance plan related to 4 local cities such as Anheles city in Panpanga State of Philippine in prepared and F/S concerning the short term plan with high priority is executed. Subsequent to the prior survey in 1984, in 1985, the long term fundamental plan was prepared and at the same time, the framework of the short term plan which is executed in the second stage was determined. In 1986, the complete survey was executed subsequent to 1985 and the final report was prepared and submitted.	1984	Preliminary survey	7. 4, 1984 - 7. 17, 1984	4	3,027
			1985	Field survey	3. 17, 1986 - 4. 27, 1986	9	18,476
			1986	Field survey	6. 8, 1986 - 12, 10, 1986	(Total) 23	144,447
			Cumulative total				165,950
77	Batangas Port Maintenance Plan Survey	The preparation of the master plan of the improvement and enlargement plan of Batangas port located in the south western part of Luzon Island (approximately 100 km south of Manila) and F/S related to the short term maintenance plan were executed.	1984	Preliminary survey	6. 18, 1984 - 6. 30, 1984	7	3,657
			"	Field survey	9. 18, 1984 - 12. 15, 1984	12	111,976
			1985	Field survey	6. 15, 1985 - 6. 15, 1985	9	66,273
			"	Field survey	9. 24, 1985 10. 5, 1985	5	
			Cumulative total				181,906

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
78	Kagayan River Basin Water Resource Development Fundamental plan	<p>The water resource development fundamental plan (M/P) centered around the flood prevention, irrigation water discharge and water power generation of Kagayan river basin located in the northern part of Luzon Island is prepared and in 1985, the prior survey was conducted and at the same time, the complete survey was started and the progress report was prepared and submitted. In 1986, the progress report, interim report and draft final report were submitted.</p> <p>In 1987, the final report was prepared and submitted based on the survey in 1986.</p>					
			1984	Preliminary survey		-	3
			1985	Preliminary survey	5. 19, 1985 - 5. 30, 1985	5	155,550
			"	Preliminary survey	7. 26, 1985 - 8. 2, 1985	2	
			"	Field survey	10. 17, 1985 - 3. 20, 1986	17	
			"	Field survey	3. 3, 1986 - 5. 3, 1986	3	
			1986	Field survey	5. 29, 1986 - 12. 3, 1986	(Total) 20	272,571
			1987	Field survey	6. 10, 1987 - 6. 18, 1987	8	22,819
			Cumulative total				450,943

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
79	Manila Metropolitan Area Topological Drawing Preparation Work	<p>The city fundamental drawing (1/10,000, 1,500 km<sup>2</sup>) land utilization drawing (1/10,000, 823 km<sup>2</sup>) and land condition drawing (1/10,000, 429 km<sup>2</sup>) as the fundamental document of the city plan, road network plan and flood countermeasure plan in Manila metropolitan area are prepared. In 1984, the prior survey was executed and in 1985, the local survey such as the aerial photographing was executed.</p> <p>In 1986, the local survey was executed subsequent to 1985 and the city fundamental drawing was prepared.</p> <p>In 1987, the edition of the land utilization drawing and land condition drawing and the local maintenance measurement were executed.</p>	1984	Preliminary survey	1. 6, 1985 - 1. 25, 1985	4	10,168
"	Preliminary survey	3. 5, 1985 - 3. 29, 1985	6				
1985	Field survey	7. 18, 1985 - 10. 19, 1985	28	216,298			
1986	Field survey	6. 16, 1986 - 3. 14, 1987	37	331,700			
1987	Field survey	10. 5, 1987 - 12. 4, 1987	16	71,385			
Cumulative total				629,551			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
80	Wide Area Forest Information Analysis Control Plan	<p>The analysis and maintenance of the information concerning the forest location for 2 millions and 70,000 ha of Kagayan river basin in the north-eastnorth part of Luson are performed and at the same time, the suitable forest control fundamental plan is prepared based on this and further, the forest management plan concerning 50,000 ha of the model district is prepared.</p> <p>The confirmation of the request content and the collection of the document were conducted by the contact mission in 1984 and in 1985, the prior survey was executed and the information related to the forest location was collected and edited by the analysis of existing document and landsat data and reading of the aerial photograph and at the same time, the fundamental drawing was prepared and these information were summarized as the predictory drawing. In addition, the selection of the model district was conducted.</p> <p>In 1986, the edition of fundamental document, fundamental analysis, analysis of the local characteristic as well as photographing of the model district, photograph reading fundamental drawing and document collection were conducted. In 1987, the plan preparation survey of the forest location analysis, wide area forest control plan and forest control plan of the model district was executed and summarized.</p>	1984	Preliminary survey	1. 30, 1985 - 2. 14, 1985	5	5,814	
			1985	Preliminary survey	5. 14, 1985 - 5. 21, 1985	3	59,240	
			"	Field survey	8. 7, 1985 - 8. 21, 1985	5		
			"	Field survey	3. 31, 1985 - 5. 29, 1986	10	216,475	
			1986	Field survey	5. 12, 1986 - 3. 10, 1987	(Total) 16		
			1987	Field survey	8. 10, 1987 - 2. 19, 1988	(Total) 15	97,185	
			Cumulative total					378,714



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
81	Food Stuff and Medicine Inspection Centre Establishment Plan	The prior survey related to the construction of the centre to secure the safety and quality of the food stuff and medicine concerning the nation's health was executed.  Refer to the gratuitous fund cooperation work for the fundamental design survey.	1984	Preliminary survey	1. 28, 1985 - 2.6, 1985	2	1,117
82	Economic and Technological Cooperation Evaluation Survey	(Indonesia and Philippine)	1984	(M)	1. 29, 1985 - 2. 15, 1985	4)	3,089
83	Economic and Technological Cooperation Evaluation Survey	(Malaysia and Philippine)	1984	(M)	12. 6, 1984 - 12. 22, 1984	4)	2,964
84	Survey on Economic and Technical Cooperation	(Philippine and Thailand)	1984	(L)	8. 25, 1984 - 9. 2, 1984	8)	1,702
85	International Economic and Technological Cooperation Trend Survey		1984	(K)	(Work done in Japan)	-	810
86	Manila South Port Modification Plan Survey	In order to correspond to the review of the responsible function of the south port district accompanied by the construction of the international container port district and degradation of the facility of this port, the preparation of the long term maintenance plan and F/S of the short term modification plan are executed and in 1985, the prior survey was conducted and I/A was concluded and at the same time, the complete survey was started.  In 1986, the local survey was executed subsequent to 1985 and the draft final report was prepared. In 1987, the final report was	1985	Preliminary survey	11. 27, 1985 - 12. 7, 1985	5	3,695
			"	Field survey	4. 7, 1986 - 5. 30, 1986	6	
			1986	Field survey	6. 16, 1986 - 3. 27, 1987	(Total) 27	217,611
			1987	Technology transfer seminar	10. 25, 1987 - 10. 29, 1987	3	16,186

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		prepared and submitted. In addition, the technology transfer promotion seminar to aim to explain widely the survey result to the person concerned of Philippine was executed.					
87	Magat Irrigation System Maintenance and Control Plan	The maintenance and control strengthening plan (M/P) which includes the review of existing facility, construction of the new facility and establishment of the water science and weather observation facility network to perform the national water utilization in the existing Magat irrigation district (approximately 100,000 ha) is prepared. In 1985, the prior survey was conducted and of the same time, as Phase I of the complete survey, the preliminary collection of various data required for the preparation of the plan, local survey, supplement of the topological drawing and preparation for installation of the observation equipment were executed. In 1986, the local survey was executed and the draft final report was prepared. In 1987, O/M manual and water control program were prepared and the final report was submitted.	1985	Preliminary survey	11. 20, 1985 - 11. 22, 1985	4	5,671
			"	Field survey	3. 17, 1986 - 4. 5, 1986	9	
			1986	Field survey	5. 26, 1986 - 12. 20, 1986	(Total) 30	328,124
			1987	Field survey	5. 17, 1987 - 5. 31, 1987	5	29,926
			Cumulative total				363.721

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
88	Japan and Philippine Friendship Road Improvement Plan	F/S related to the road improvement plan required for the mitigation of heavy traffic in the segment covering approximately 200 km between Santalia and Alitao and approximately 180 km between Kalamba and Karawag of the Japan and Philippine friendship road is executed and in 1985, the prior survey was conducted and I/A (Implementing Agreement) was discussed and concluded.  In 1986, the complete local survey was started. In 1987, the discussion for submittance of the draft final report was conducted and the final report based on the comment of the Philippine side against this report was prepared and submitted.	1985	Preliminary survey	11. 20, 1985 - 11. 28, 1985	5	2,860
			1986	Field survey	6. 2, 1986 - 3. 14, 1987	(Total) 23	133,412
			1987	Field survey	4. 10, 1987 - 6. 19, 1987	(Total) 7	36,524
			Cumulative total				172,796
89	Economical Technology Cooperation Survey	Annual discussion	1985	(L)	5. 27, 1985 - 6. 2, 1985	7	2,499
90	Activity Status Survey of Youth Overseas Cooperation Team	(Malaysia and Philippine) Refer to the general Asia.	1985	(M)	8. 28, 1985 - 9. 11, 1985	3)	(2,948)
91	Western Samahl Agricultural Village Comprehensive Development Plan	The agricultural village comprehensive development plan incorporating the maintenance of small sized irrigation water discharge facility, improvement of life water supply system, electrification of the agricultural village, maintenance of the agricultural product storage facility, agricultural product working and maintenance of the agricultural village society infrastructure to aim the enlargement of agricultural production and improvement of the life level in Western Samahl of Philippine is prepared and in 1986, the prior survey was executed and the content of request and execution system were confirmed and at the	1986	Preliminary survey	11. 26, 1986 - 4. 17, 1986	(Total) 6	6,652
			"	Field survey	4. 8, 1987 - 5. 15, 1987	6	
			1987	Field survey	4. 8, 1987 - 4. 17, 1987	(Total) 25	204,909
			Cumulative total				211,561

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		<p>same time, grasping of the current status of the covered area and collection of the related information and document were conducted and further, the complete survey was executed.</p> <p>In 1987, the development fundamental concept was set by conducting the complete survey and the topological drawing of the preferred project area was prepared.</p>					
92	Trinidad Highland Agricultural Village Comprehensive Development Plan	<p>The agricultural village comprehensive development plan covering the irrigation water discharge facility plan, maintenance of the agricultural road, securance of the potable water, small sized water power generation and distribution centre plan in Bariri river basin in the vicinity of Trinidad in Benget State of Philippine is prepared and in 1986, the contact mission was dispatched and after the content of request and background were confirmed, based on the graping of the current status of the project site, related document and information, the possibility of the cooperation was investigated and at the same time, S/W was concluded.</p> <p>In 1987, the complete survey was executed and the interim report was prepared.</p>	1986	Preliminary survey	3. 10, 1987 - 3. 17, 1987	5	1,608
			1987	Field survey	7. 18, 1987 - 3. 15, 1988	(Total) 22	162,016
			Cumulative total				163,624

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
93	Pump Irrigation System Maintenance and Control Plan	The plan to utilize the small sized water power generation as the new electric power source of the pump in the existing pump irrigation system of the National Irrigation Agency in Luzon Island of Philippine and strengthen its system is prepared and in 1986, the contact mission to confirm the content of the request and background was dispatched.  In 1987, the complete survey was executed based on the prior survey in 1986.	1986	Preliminary survey	12. 3, 1986 - 12. 13, 1986	(Total) 4	1,317
			1987	Field survey	8. 2, 1987 - 2. 23, 1988	(Total) 19	126,442
			Cumulative total				127,759
94	Fishery Product Transportation System Comprehensive Plan	The Philippine government promotes the fishery product distribution base maintenance plan to effectively utilize the fishing resource. Several zones of the covered area among 11 zones selected by M/P survey of the ice making and refrigeration facility maintenance plan which is a part of this plan are taken up and with the relativity to the small sized fishing port maintenance plan and ice making and refrigeration facility maintenance plan, the fishery product transportation system maintenance plan is prepared and in 1986, the contact mission was dispatched and the confirmation of the content of request and background was conducted and at the same time, the collection of the related document was conducted. In 1987, the prior survey was executed in February, 1988 and the complete survey was started from March, 1988.	1986	Preliminary survey	4. 9, 1987 - 4. 22, 1987	4	2,517
			1987	Preliminary survey	2. 2, 1988 - 2. 9, 1988	4	3,079
			"	Field survey	4. 10, 1988 - 7. 18, 1988	(Total) 6	
			Cumulative total				5,596

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
95	Marinduke Agricultural Comprehensive Development Plan	The agricultural comprehensive development plan which is composed of the agricultural development plan, supporting facility (community centre, market, etc.), infrastructure maintenance and development of human resource (Institutional Development) plan is prepared and in 1986, the contact mission was dispatched and based on the content of request, confirmation of the background, grasping of the current status of the project site, related document and information, the possibility of the co-operation was investigated.	1986	Preliminary survey	3. 3, 1987 - 3. 10, 1987	5	1,833
96	Local Road Network Maintenance Plan	The covered area is selected concerning the role and maintenance method of the local road network except for the main national road and the road network is extracted from them and the concrete investigation is conducted and in 1986, the contact mission was dispatched.  In 1987, the prior survey was executed based on the result of the preliminary survey in 1986 and the complete local survey was started.	1986	Preliminary (contact)	2. 24, 1987 - 3. 7, 1987	5	4,246
			1987	Preliminary survey	7. 27, 1987 - 8. 2, 1987	4	67,744
			"	Field survey	11. 30, 1987 - 3. 31, 1988	17	
			Cumulative total				71,990
97	Manila Flood Countermeasure	In Manila metropolitan area, the river and water path are inundated by the typhoon frequently and the economic damage occurs. For this reason, F/S of the preparation of M/P of the flood countermeasure in the metropolitan area and the flood countermeasure plan in the highest priority area is executed.  In 1986, the contact mission was dispatched. In 1987, the prior survey was executed and at the same time, the local survey was started.	1986	Preliminary (contact)	3. 22, 1987 - 4. 1, 1987	5	3,917
			1987	Preliminary survey	7. 30, 1987 - 8. 6, 1987	5	98,922
			"	Field survey	1. 5, 1988 - 3. 31, 1988	14	
			Cumulative total				102,839

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
98	Nation's Assistance Research	In order to execute the effective and efficient cooperation along the true development needs of the country receiving the assistance, the Philippine assistance research group was established and with the participation of the external specialist and knowledgeable people in the wide range, the collection of various information, maintenance and analysis were conducted and the Philippine's assistance plan (incorporation method of assistance) was prepared.	1986				5,489
			1987				22,274
			Cumulative total				27,763
99	Economic Technology Cooperation Evaluation Survey	With the participation of the third party such as the knowledgeable people, the evaluation survey from the comprehensive viewpoint was executed after the opinion was exchanged with the Philippine's person concerned and dispatched specialist in the following fields in Philippine under the cooperation of the Ministry of Foreign Affairs and OECF.  (Covered fields) Agriculture, energy, industry, transportation, communication and social welfare	1986	(M)	4. 28, 1986 - 7. 1, 1986	(Total) 8	4,715
100	Economic Technology Cooperation Survey	Annual discussion	1986	(L)	6. 30, 1986 - 7. 6, 1986	6	2,439

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
101	Infanta Rial City Traffic Facility Maintenance Plan	In order to analyze the population concentration into the central part of Manila, as the development base point in the eastern sea of Luzon Island, Infanta Rial is selected and F/S concerning Infanta road improvement plan and existing Rial port facility repair plan is executed. In 1987, the prior survey team was dispatched and S/W was concluded.	1987	Preliminary survey	1. 20, 1988 - 2. 2, 1988	5	7,314
102	Banai Island Underground Water Development Plan	The preparation of the master plan for the new and additional construction of the water supply facility by the underground water to cover the total of 15 locations in 4 districts in Banai Island be prepared and in 1987, the prior survey was executed and at the same time, the local survey was started.	1987	Preliminary survey	12. 1, 1987 - 12. 14, 1987	4	41,774
				Field survey	3. 24, 1988 - 6. 23, 1988	(Total) 6	
103	Agricultural Small Sized Pool Maintenance Plan	M/P for the small sized pool maintenance to cover the whole Philippine is prepared and in 1987, the prior survey was executed and the detailed execution rule was concluded.	1987	Preliminary survey	12. 3, 1987 - 12. 12, 1987	5	3,000
104	Project Formation Fundamental Survey	(Philippine, Nepal and Thailand)	1987	(L)	8. 2, 1987 - 8. 12, 1987	2	528
105	Economic Cooperation Comprehensive Survey	Based on the report of the nation's assistance research group (Chairman: Professor of Tokyo University, Akira Takahashi), the high level policy conversation with the person concerned of the Philippine government was executed from the medium term viewpoint and the fundamental orientation of Japan's economic technology cooperation against Philippine was conducted and further, hearing of the content and items of which the cooperation was requested to Japan concerning the medium term development plan (1986 - 1992) announced by the Philippine side in December, 1986 was conducted and	1987	(L)	5. 30, 1987 - 6. 6, 1987	3	1,497



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		the survey to coordinate with the above-mentioned Japan's assistance policy was executed.					
106	Project Formation Fundamental Survey (Agricultural Field)	Based on the report of the nation's assistance research group (Chairman: Professor at Tokyo University, Akira Takahashi), the policy conversation and project finding and arrangement concerning the agricultural field among the important assistance fields against Philippine (development of agriculture and agricultural village, professional training and member fostering, industrial rehabilitation, trade promotion and promotion of small and medium sized enterprise) confirmed by the Ohsaka mission were conducted and the survey to form the framework of the agricultural field cooperation against Philippine was executed.	1987	(L)	11. 30, 1987 - 12. 5, 1987	7	2,623
107	Research Survey Related to Sight-Seeing Development Plan Selection		1987	(Work done in Japan)	-	-	1,206
108	Consultant Contact Actual Status Survey in International Organization	(Philippine and U.S.A.)	1987	Project survey	6. 2, 1987 - 6. 11, 1987	3	1,452
109	Trunk Road Major Bridge Modification Plan	The preparation of the modification plan (F/S), repair manual and bridge ledger to cover the major bridges of Japan and Philippine Friendship Road and road in the north part of Manila is conducted and in 1987, the prior survey was executed and at the same time, the complete local survey was started.	1987	Preliminary survey	4. 20, 1987 - 4. 27, 1987	5	60,349
				Field survey	12. 1, 1987 - 3. 25, 1987	(Total) 11	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
110	Economic Technology Cooperation Survey	Annual discussion	1987	(L)	6. 28, 1987 - 7. 4, 1987	5	2,105
111	Economic Technology Cooperation Evaluation Survey	Nation's evaluation survey	1987	(Preparation of report)	-	-	1,251
112	Public Activity Cooperation Promotion Survey	(Philippine, People's Republic of China, Indonesia, Malaysia and Pakistan)	1987	(L)	5. 27, 1987 - 6. 18, 1987	9	(1,520)
		(Total of development survey work)					12,653,851

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
1	6 South East Asian Countries Steel Making Industry Development and Enlargement Survey	(Indonesia, Malaysia, Philippine, Singapore, Thailand and Taiwan) Refer to the general Asia.	1968	(N)	6. 19, 1968 - 7. 11, 1968	8)	(2,014)
			"	(N)	7. 22, 1968 - 8. 14, 1968	8)	
2	South East Asia Mineral Industry Project Selection and Confirmation Survey	(1) (Malaysia, Philippine and Thailand)	1966	(N)	7. 19, 1966 - 8. 12, 1966	4)	(1,196)
		(2) (Indonesia, Malaysia, Philippine, Singapore and Thailand)	1972	(N)	5. 31, 1972 - 6. 20, 1972	2)	(238)
		(3) (Indonesia, Nepal, Philippine and Thailand)	1973	(N)	5. 27, 1973 - 6. 15, 1973	2)	(600)
		(4) (Indonesia, Malaysia, Philippine, Vietnam and Papua New Guinea)	1974	(N)	10. 30, 1974 - 11. 15, 1974	2)	(585)
		(5) (Indonesia, Philippine and Papua New Guinea)	1975	(N)	7. 8, 1975 - 7. 26, 1975	2)	(664)
3	Industry Location Plan Survey	How the formation of the industrial condominium of 4 districts such as Rimai is proceeded is investigated.	1963	(N)	2. 13, 1963 - 3. 3, 1964	5	2,355

Cumulative  
Total  
(3.283)

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
4	Industrialization Plan Survey	The survey concerning the cement industry and refrigeration and canning industry among basic industries of which the development is expected in 5 year social economy plan is conducted and the possibility of the development is investigated.	1964	(N)	9. 29, 1964 - 10. 29, 1964	6	3,414
5	Inshore Mineral Resource Development Plan Survey	The possibility of the development of the mineral resource including the oil of Mindro Island in the southern part of Luzon Island based on Lalap in Luzon Island is surveyed.	1969	(N)	2. 25, 1969 - 3. 30, 1970	11	19,098
			1970	(N)		0	2,449
			Cumulative total				21,547
6	Fundamental Survey of Suitable Location for Industry Consuming Much Amount of Industrial Water	The possibility of the establishment of the paper pulp industry especially utilizing the bacas by developing and utilizing the industrial water is surveyed.	1970	(N)	2. 23, 1971 - 3. 24, 1971	7	7,068
			1971	(N)		0	3,883
			Cumulative total				10,951
7	Bisayas Area Long Term Electric Power Plan Survey	The survey to prepare the comprehensive electric power development plan concerning 6 islands of Sebu, Negros, Banai, Leite, Samahl and Bohol in Bisayas area based on the comprehensive national electrification plan of Philippine is conducted and the master plan aiming 1980 is prepared.	1972	(N)	10. 10, 1972 - 1. 5, 1973	6	24,222
			"	(N)	3. 24, 1973 - 3. 31, 1973	1	
8	Batern Export Working District Development Plan Survey	Concerning to supply of Yen borrowing against the partial work of Batern export working district development work plan which is being constructed at Malibeles in Batern Peninsula requested by the Philippine government, its reasonability was evaluated and at the same time, the survey to investigate the technical and economic feasibility of the whole work was conducted.	1973	(N)	2. 5, 1974 - 2. 18, 1974	8	15,031

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
9	Kagayan Valley Area Electrification Plan Survey	(1) Electrification plan survey  Based on the request by the Philippine government, the survey concerning the electrification and Kagayan transmission and transformation plan survey among Kagayan Valley area electrification and irrigation plan which are the urgent problems of Philippine was executed and the following works were conducted.  (a) The electric power demand of Kagayan valley area was investigated and the trunk transmission and transformation plan was prepared.  (b) The electric power supply for irrigation electric power and distribution facility plan was prepared.  (c) Kagayan transmission and transformation facility plan was reinvestigated technically and economically.  In 1974, the report was prepared and submitted to the Philippine government.	1973	(N)	3. 5, 1974 - 3. 31, 1974	10	21,940
			1974	(N)	7. 17, 1974 - 7. 27, 1974	2	47,668
			Cumulative total				69,608
		(2) Distribution plan survey  As a part of Kagayan area agricultural village electrification plan, subsequent to the transmission and transformation plan survey executed in 1974, the local survey to prepare the distribution plan based on the demand was executed.	1976	(N)	1. 25, 1977 - 3. 20, 1977	6	18,654
			"	(N)	2. 27, 1977 - 3. 20, 1977	1	
			1977	(N)	7. 17, 1977- 7. 24, 1977	3	28,577
			Cumulative total				47,577

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
10	Seb Island Thermal Power Generation Development Plan Survey	Based on the request by the Philippine government, the local survey of Seb Island road thermal power generatios plan survey was conducted to attain the following objectives and the collection of document and the opinion exchange with the organization concerned were conducted.  (1) Seb Island thermal power generation plan is reinvestigated from the viewpoint of the coal thermal power.  (2) The geology and operating status of the existing mine are surveyed and the point where the mining is possible is selected.  Note: Refer 9-(1) for the expense.	1973	(N)	3. 5, 1974 - 3. 27, 1974	6	-
			1974	(N)	7. 17, 1974 - 7. 28, 1974	1	-
			Cumulative total				-
11	Oil Chemical Industry Development Plan Survey	In order to correspond to the increase of demand for the oil chemical industry product in Philippine and effectively utilize the material for oil chemical industry produced in the domestic refinery plant, the master plan and its guide line to deploy the oil chemical industry in Philippine were prepared and at the same time, the investigation concerning the market and the possibility of raw material availability was conducted.  Especially, the feasibility study concerning the construction of the orephine series complex which was considered to be prominent in Philippine was executed.	1974	(N)	2. 25, 1975 - 3. 20, 1975	7	34,597
			1975	(N)	9. 7, 1975 - 9. 13, 1975	1	37,782
			Cumulative total				72,379

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
12	Medium and Small Sized Industry Promotion Plan Survey	In order to intend the promotion of medium and small sized industry in Philippine, the economic and social survey related to grasping of the current status and problem of medium and small sized industry in Philippine and the local survey concerning the efficient treating method of its promotion were executed.	1974	(N)	3. 11, 1975 - 3. 30, 1975	8	7,794
			1975	(N)		0	9,579
			Cumulative total				17,373
13	Consistent Steel Making Plant Construction Plan Survey	Concerning the consistent steel making plant project in Mindano Island in Philippine, subsequent to the prior survey in 1985 to aim to point out the problem which can be referred when the plan for the construction and operation of this steel making plant in prepared, in 1976 and 1977, the confirmation of survey item, production facility and production technology, raw material survey and infrastructure, related industry, financial evaluation and economic effect were surveyed. In 1978, the survey to determine the work plan as Philippine was conducted. Therefore, the final feasibility study in 1979 executed more detailed survey to supply the judgemental document for work plan determination by the Philippine government considering the investigation result of the Philippine side based on the survey result heretofore was executed.	1975	(N)	8. 24, 1975 - 9. 7, 1975	10	19,535
			"	(N)	2. 1, 1976 - 2. 7, 1976	2	
			1976	(N)	2. 22, 1977 - 3. 10, 1977	15	18,825
			1977	(N)	9. 19, 1977 - 9. 25, 1977	7	76,633
			1978	(N)	2. 4, 1979 - 2. 18, 1979	13	76,747
			1979	(N) (Report)	9. 2, 1979 - 9. 6, 1979	6	68,005
			Cumulative total				259,745

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
14	Bagio District Mineral Slag Public Hazard Prevention Plan Survey	<p>Although the mineral selection waste slag of mines in Bagio district in Philippine (mainly, copper and gold) was deposited in the dam or pond, it frequently flowed out in the rainy season and polluted the crop area in the downstream.</p> <p>Recently, since this problem became serious and the Philippine government considered the treatment by the reclamation by transferring to the seaside by means of the tunnel, pipeline and groove in the solution measure and ask Japan for its feasibility study, the prior survey was executed in December, 1977 in order to discuss the background of request with the Philippine side and the feasibility study was executed in February, 1978. In 1978, based on the local survey result executed in 1977, the report was prepared and the local explanation was held.</p>	1977	(N) (Preliminary)	12. 11, 1977 - 12. 24, 1977	3	52,217
			"	(N)	1. 22, 1978 - 2. 28, 1978	11	
			1978	(N) (Report)	5. 28, 1978 - 6. 10, 1978	3	6,005
			Cumulative total				58,222
15	Mineral Industry Overseas Development Plan Survey Project Selection and Confirmation Survey	<p>In order to the efficiently execute the overseas development plan survey against Philippine, the background of request of the project requested by Philippine and the positioning in the economic development plan were surveyed and the selection and confirmation of the project which can be executed were conducted.</p>	1978	(N) (Preliminary)	6. 11, 1978 - 6. 18, 1978	1	449



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
16	Phosphoric Acid Fertilizer Plant Construction Plan Survey	This project is the plan to produce the fertilizers by utilizing 412,000 ton/year of sulfuric acid produced as the by-product from the copper refining plant which is currently proceeded in Philippine and in addition, is one of 5 major ASEAN projects. Responding to the request for the execution of F/S in Japan by the Philippine government, before the main survey, in July, 1978, in order to confirm the fundamental concept for this project by Philippine and intend to clarify the survey item, the prior survey was executed. In addition, in October, 1978, based on the result of the above-mentioned prior survey, the survey of the possibility of commercialization of the phosphoric acid fertilizer plant with the by-product sulfuric acid from the copper smelter planned currently as the raw material was executed.	1978	(N) (Preliminary)	7. 4, 1978 - 7. 16, 1978	3	2,563
			"	(N)	10. 15, 1978 - 11. 18, 1978	10	65,674
			1979	(N) (Report)	7. 23, 1979 - 7. 29, 1979	3	6,900
			Cumulative total				75,137
17	Kagayan River Upstream Didoyon Water Power Generation Development Plan Survey	When the construction of the power generation facility to correspond to the increase of demand in 1988 is required in terms of the prediction of demand and supply in Luzon Island in Philippine and the water power generation development is closed up due to the fuel situation in Philippine, Didoyon district in Kagayan river upstream in Luzon Island is suitable for the water power generation and the feasibility study required for this construction plan is executed planned from July, 1978 to September, 1980. In 1978, a part of the local survey and a part of the domestic design work were executed.	1978	(N)	7. 6, 1978 - 8. 19, 1978	11	109,803
			"	(N)	1. 16, 1979 - 3. 31, 1979	5	
			1979	(N)	4. 1, 1979 - 8. 24, 1979	2)	83,660
			"	(N)	8. 11, 1979 - 3. 17, 1979	5	
			1980	(N)	6. 8, 1980 - 7. 5, 1980		33,654
			"	(N)	10. 20, 1980 - 10. 27, 1980	5	
			Cumulative total				227,117

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
18	Agos River Water Power Generation Development Plan Survey	<p>Although the Philippine government prepared Luzon Island electric power facility enlargement plan in 1977, the Philippine government asked Japan for the cooperation in order to perform the detailed investigation of Agos plan which was ranked as the sixth. In 1978, in order to smoothly proceed the complete feasibility study concerning the construction plan of Agos river water power generation plant, the preliminary survey was executed. In 1979, the local survey was conducted and the collection, survey and analysis of document related to the geology, construction material, water science, civil engineering and electric power were conducted.</p> <p>In 1980, the local survey of the most suitable point for development was conducted subsequent to 1979 and the geological survey and material survey were executed and subsequently, together with the local survey, domestic analysis and preparation of the draft report, the local explanation and preparation of the final report were conducted.</p>	1978	(N)	2. 8, 1979 - 3. 28, 1979	9	26,599
			1979	(N)	5. 20, 1979 - 3. 31, 1979	21	118,456
			1980	(N)	4. 1, 1980 - 6. 10, 1980	2	6,073
			"	(N)	6. 8, 1980 - 6. 27, 1980	3	93,625
			"	(N)	8. 20, 1980 - 9. 18, 1980		
			"	(N) (Report)	12. 7, 1980 - 12. 16, 1980	1	
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
19	Akban Itogon Terrestrial Heat Development Plan	<p>Although Philippine has the large expectation for the terrestrial heat energy as the alternate of oil, the electric power development of 1,200 MW is planned by the terrestrial heat power generation between 1978 and 1987. In 1979, the survey concerning the terrestrial heat development plan at the total of 6 locations of 3 locations in Luzon Island, one location in Mindro Island and 2 locations in Leite Island was executed.</p> <p>In 1980, the investigation and analysis of the local survey result and collected document were executed. In 1981, the prior survey team was dispatched and the outline survey of Akban Itogon area and I/A discussion with the organization of the Philippine government were executed. Based on the result of this survey, in order to evaluate the terrestrial heat storage layer and potential in Akban Itogon district in the middle of Luzon Island and further, perform the preliminary investigation of the possibility of terrestrial heat power generation, in 1982, the survey of (1) geological analysis of the landsat image and serial photograph, (2) geological survey, (3) terrestrial heat phenomenon survey, (4) hydro survey, (5) geological chemistry search (6) gravity search and (7) electricity search was conducted.</p> <p>In 1983, concerning the prominent development area extracted by the survey in 1982, the precise survey of geology and geological chemistry, search of minute earthquake, and temperature measurement hole detecting layer were executed and the evaluation of terrestrial heat potential was conducted and at the same time, the preparation of the structure model was conducted.</p>	1979	(N) (Preliminary)	3. 2, 1980 - 3. 24, 1980	5	11,168
			1980	(N) (Preliminary)	(Preparation of report)	0	1,002
			1981	(N) (Preliminary)	3. 16, 1982 - 3. 27, 1982	4	4,096
			1982	(N)	8. 8, 1982 - 12. 5, 1982	9	81,341
			1982	(N) (Report)	3. 9, 1983 - 3. 16, 1983	2	
			1983	(N)	9. 28, 1983 - 12. 23, 1983	15	98,641
			"	(N)	1. 22, 1984 - 2. 15, 1984		
			1984	(N)	6. 12, 1984 - 3. 15, 1985	11	306,695
			1985	(N)	6. 18, 1985 - 6. 23, 1985	7	32,617
			"	(N) (Report)	9. 9, 1985 - 9. 14, 1985	3	
				Cumulative total			

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		<p>In 1984, the excavation of the survey well (2,000 m) at the point selected as a result of the survey in the past 2 years was executed.</p> <p>In 1985, the result of the winze and eruption test concerning the geology, geological chemistry, physical search and survey well was comprehensively analyzed and the final report was prepared.</p>					
20	Bisayas Area Electric Power System Enlargement Related Plan Survey	This is F/S of the enlargement of the electric power system in Bisayas area (Sebu, Negros, Banai, Leite and Samahl Islands) and the connection of the electric power systems in each island of Sebu, Negros and Banai by the sea bottom cable. Although the local survey and a part of the domestic analysis work were executed in 1979, in 1980, the preparation of the report and the local explanation were conducted based on this result.	1979	(N)	1. 10, 1980 - 3. 9, 1980	7	38,332
	1980		(N) (Report)	8. 14, 1980 - 8. 23, 1980	2	31,431	
	Cumulative total						69,763
21	Luson Island Ultra High Voltage Transmission System Development Plan Survey	<p>The establishment of the ultra high voltage transmission system plan in Luson Island upto 1995 and the fundamental design of the related facility are conducted.</p> <p>In 1981, the result of the local survey and domestic analysis executed in 1980 was prepared as the draft report and the local survey was conducted and F/S report was prepared.</p>	1979	(N) (Preliminary)	1. 14, 1979 - 1. 30, 1980	5	9,538
	1980		(N)	8. 17, 1980 - 9. 5, 1980	7	56,192	
			(N)	11. 5, 1980 - 12. 24, 1980			
	1981		(N) (Report)	6. 2, 1981 - 6. 11, 1981	2	4,451	
	Cumulative total						70,181

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
22	Paper Pulp New and Additional Plant Plan Survey	This is F/S of the new and additional construction plan of the paper pulp plant in Philippine based on the United Nations FAO report "View of ASEAN Paper Pulp Industry". In 1980, the preliminary survey to aim (1) background and content of the request of the Philippine side, (2) various plans and problem concerning the Philippine's paper pulp industry and (3) grasping of the receiving system of the Philippine side concerning this project was executed.	1980	(N) (Preliminary)	6. 24, 1980 - 6. 29, 1980	4	1,531
23	Bugias Terrestrial Heat Development Plan Survey	Although the Philippine government has the large expectation for the terrestrial heat energy as the alternate energy and plans the electric power development of 1,200 MW by the terrestrial heat power generation from 1978 to 1987, this is the terrestrial heat development survey in Bugias district of Luzon Island as its part.  In 1981, the analysis and summarization of the local survey result executed in 1980 and the following surveys were executed to aim the preparation of the survey result in the next stage.  (1) Analysis of the geological survey result (2) Analysis of the geological chemistry search result (3) Analysis of the gravity and magnetic tence (4) Comprehensive analysis, and (5) Local explanation of the report and discussion of the plan	1980	(N)	11. 12, 1980 - 3. 20, 1981	11	37,461
			1981	(N) (Report)	6. 22, 1981 - 7. 5, 1981	2	33,720
			Cumulative total				71,181

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
24	Low Pressure Gas Development Plan Survey	<p>This is a part of the alternate energy development of the oil and is the survey concerning the possibility of the development of the water containing natural gas. In 1980, in order to select the district covered by F/S, in the candidate areas such as Luzon central valley and Iloilo, the preliminary survey such as the chemical analysis was executed and based in its results, the discussion concerning I/A (Implementing Arrangement) of F/S with the Ministry of Energy was executed. In 1981, as a result of the preliminary survey, in order to obtain the data required for the preparation of trial excavation survey plan of the water containing gas by covering the selected individual deposit basin, the comparatory survey of the topology and geology, winge geology and detection</p>	1980	(N) (Preliminary)	11. 20, 1980 - 12. 7, 1980	6	7,744
			1981	(N)	10. 31, 1981 - 11. 21, 1981	6	7,443
			1982	(N)	6. 27, 1982 - 7. 3, 1982	3	2,089
			Cumulative total				17,276
		<p>layer, cross section of earthquake, physical property of the deposit, geological chemistry and mineral bed of the water containing gas was executed. In 1982, in order to aim to obtain the various data required for the preparation of the trial excavation survey plan, the local survey result executed in 1981 was summarized as the report and submitted to the Philippine side.</p>					
25	Leite Transmission Line Plan Survey	<p>This is the plan of the transmission line mainly consisting of the direct current transmission method to connect a part of the electric power generated by the operation of the terrestrial heat power generation plant, etc. in Tongonan of Leite Island to the transmission system in Luzon Island. In 1980, subsequent to the prior survey, the local survey and collection of related document in each field of the transmission, analysis of the electric power system, conversion station, power supply facility, communication, demand and supply of the electric power, geology and measurement were conducted. In 1981; (1) survey of the sea bottum cable, (2) survey of the point of the conversion station, (3) survey of the electrode and electrade wire, (4) survey of the aerial transmission line route, (5) survey of the</p>	1980	(N) (Preliminary)	12. 7, 1981 - 12. 20, 1980	4	7,533
			"	(N)	3. 2, 1981 - 3. 31, 1981	10	32,142
			1981	(N)	7. 5, 1981 - 7. 25, 1981	7	90,978
			"	(N)	10. 7, 1981 - 10. 21, 1981		
			"	(N) (Report)	12. 3, 1981 - 12. 12, 1981	1	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		point of the radio relay station and (6) collection of the data of other demand estimation, etc. were conducted.	Cumulative total				130,653
26	Agbul Water Power Generation Development Plan Survey	This is F/S of the water power generation development of the installed capacity of 400 MW and annual output of 675 GWh in Agbul site of Abayao Agbul river located in the most northern part of Luzon Island. In 1980, the confirmation of the priority against this project by the Philippine side and the outline search of the planned site of the dam construction and planned site of the power generation station and transmission line were conducted and the collection of various documents was conducted. In addition, based on this result, the discussion with the electric power institute concerning I/A was executed.	1980	(N) (Preliminary)	3. 11, 1981 - 3. 27, 1981	3	6,332
27	Alcohol Plant Construction Plan Survey	The development of the raw material production farm related to the production of alcogas in Dasmariñas and Cavite of Luzon island and the possibility of the technical and economic commercialization concerning the manufacturing plant the size of approximately 60,000 l of daily production are investigated. In 1980, subsequent to the preliminary survey, the local survey was conducted and the collection of data related to the project site, survey concerning the raw material and alcohol, economic evaluation, financial analysis and investigation of the execution schedule draft were conducted. In 1981, F/S was executed and as its result, it was concluded that the sugar cane was the most suitable raw material among raw materials of the sugar cane, sweet potato and casaba and this project was profitable although its priority was not so high.	1980	(N) (Preliminary)	12. 8, 1980 - 12. 17, 1980	8	8,930
			"	(N)	3. 19, 1981 - 3. 28, 1981	8	6,881
			1981	(N)	7. 13, 1981 - 8. 1, 1981	19	58,124
			"	(N)	11. 23, 1981 - 12. 12, 1981		
			"	(N) (Report)	11. 1, 1981 - 11. 7, 1981	11	
			"	(N)	3. 21, 1981 - 3. 27, 1981		
			1982	(N)	(Work done in Japan)		5,332

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		In 1982, the final report was prepared and submitted to the Philippine government.	Cumulative total				79,267
28	Manila City Thermal Power Generation Plant Rehabilitation Plan	The survey concerning the operation, maintenance and control of the thermal power generation which is the major cause of service interruption occurring many times in Manila district is conducted and the required recommendatin and rehabilitation program are prepared and the prior survey was conducted as the Manilarcity electric power id stable supply plan.Subsequent to this survey, the complete survey was executed and the rehabilitation program was proposed and at the same time, the textbook for training of the power genera tion plant personnel was prepared.	1982	(N) (Preliminary)	5. 10, 1982 - 5. 29, 1982	8	15,492
			"	(N)	7. 26, 1982 - 9. 30, 1982	15	133,072
			"	(N) (Report)	11. 9, 1982 - 11. 12, 1982	1	
			Cumulative total				148,564
29	Matsuno River Development Plan Survey (Water Power Generation)	This project secures the new water utilizing capacity by constructing the large sized water storage pond and performing the water power generation at Matsuno river which is the branch of Kagayan River which flows through Nuebabiskaya State in the middle part of Luzon Island and the development in made with multi purposes to aim the agricultural promotion in the downstream. Subsequent to the local survey in 1981 and 1982, in 1983, each survey concerning (1) water science, (2) power generation capacity, (3) design calculation of the dam and power generation plant structure and (4) interface with the agricultural deve-lopment plan was conducted and the final report was prepared.	1981	(N) (Preliminary)	10. 25, 1981 - 10. 31, 1981	3	1,243
			"	(N)	1. 18, 1982 - 3. 18, 1983	10	50,646
			1982	(N)	7. 4, 1982 - 3. 5, 1982	17	129,337
			1983	(N)	7. 13, 1983 - 7. 21, 1983	4	76,121
			"	(N)	12. 1, 1983 - 12. 10, 1983	3	
			Cumulative total				257,347



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
30	Active Coal Industry Promotion and Development Plan	<p>Although the basic technology concerning the powder active coal manufacturing technology was established as a result of the cooperate research concerning the manufacture of the powder active coal utilizing the south sea material as the raw material conducted among Philippine's NIST, Industrial technology Institute and Hokkaido Industrial Development Test Centre, the survey of this project performs F/S cooperating related to the construction of the power active coal manufacturing plant by utilizing the south sea material as the raw material based on these research results.</p> <p>Based on the prior survey in 1982, in 1983, the test plant for the raw material selection test was installed and at the same time, the first complete survey was executed.</p> <p>In 1984, the selection of the most suitable wood kind, investigation of the active coal manufacturing condition, evaluation of the quality and concept design of the plant were conducted.</p> <p>In 1985, the supplementary survey concerning the financial and economic analysis was executed and at the same time, the final report was prepared and submitted to the Philippine side.</p>	1982	(N) (Preliminary)	3. 14, 1982 - 3. 25, 1983	6	4,228	(Equip- ment supply)
			1983	(N)	11. 6, 1983 - 11. 10, 1983	18	35,243	31,757
			"	(N)	1. 5, 1984 - 3. 6, 1984			
			1984	(N)	5. 22, 1984 - 9. 28, 1984	30	74,395	4,380
			"	(N)	10. 10, 1984 - 12. 14, 1984			
			"	(N) (Report)	3. 18, 1985 - 3. 24, 1985			
			1985	(N)	(Work done in Japan)	-	6,021	0
			Cumulative total				119,887	36,137
31	Leite and Mindano Transmission Line Development Plan	<p>This survey investigates the technical and economic reasonablity of the plan to connect Leite island to Mindanao island by the transmission line and utilize the excessive electric power of Tongonan terrestrial heat power generation plant in Mindanao island.</p> <p>In 1982, the prior survey team was dispatched and I/A with Philippine's NPC was signed.</p>	1982	(N) (Preliminary)	7. 27, 1982 - 8. 7, 1982	4	45,647	
"	(N)	11. 21, 1982 - 3. 27, 1982	10					
1983	(N)	6. 14, 1983 - 8. 12, 1983	13					
"	(N)	11. 28, 1983 - 1. 26, 1984						

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		Based on this, the collection of document and route search were executed subsequently. In 1983, the sea bottom measurement and survey were conducted and the transmission line route in the sea bottom section was determined and the final report was summarized.	1983	(N) (Report)	10. 12, 1983 - 10. 26, 1983	4	209,301
	"		(N)	2. 22, 1984 - 3. 7, 1985			
	Cumulative total						254,948
32	Bislig Coal Development Plan	This is the survey of the possibility to supply Bislig coal to the coal thermal power generation plant of which the construction is planned in Bislig district of Mindanao island and the prior survey team was dispatched and the discussion with the organization of the Philippine government concerning the reasonability of the plan was conducted and in addition, the local survey to investigate the coal existing status in Bislig area was conducted.	1982	(N) (Preliminary)	3. 20, 1983 - 3. 30, 1983	4	3,344
33	ASEAN Countries Mineral Industry Project Selection and Confirmation Survey	(Philippine, Thailand, Malaysia and Singapore.)	1982	(N)	6. 27, 1982 - 9. 2, 1982	4)	(503)
34	Asian Countries Mineral Industry Project Selection and Confirmation Survey	(Philippine and Brunei)	1982	(N)	12. 3, 1982 - 12. 9, 1982	5)	(1,508)
35	Mineral Industry Project Follow-up Survey	(Thailand and Philippine)	1982	(N)	...	5)	(5,467)

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
36	Sanroke Multi Purpose Dam Development Plan	(1) Water power generation plan This plan aims to correspond to the increase of electric power demand and at the same time, the agricultural development, flood control and water quality improvement in the area concerned. In 1983, grasping of the background and concrete content of the request, confirmation of needs at the	1983	(N) (Preliminary)	7. 27, 1983 - 8. 5, 1983	5	2,386	
					Philippine side, concrete grasping of the problem of F/S report executed by Italy in the past and hearing of the concept of the Philippine side were conducted.			
		(2) Prediction of water quality Since the effect of the mineral slag from the mine in the upstream is considered concerning the stored water of Sanroke multi purpose dam which is planned in the middle stream of Agno river in the middle part of Luzon island, the prediction in the future of the water quality is performed. In 1983, subsequent to the result of the preliminary survey, the prior survey consisting of the collection of existing related data and discussion with the organization related to the Philippine government (reconfirmation of the content of the agreement of the time of the preliminary survey and preparation and signature of I/A) was executed. In addition, the local survey was executed dividing into 2 parts and the collection of the fundamental document for the analysis work was conducted.  In 1984, the local survey (fixed point observation and pollution source survey) was executed subsequent to the previous year and based on its result, the final report (draft) was prepared. In 1985, after the content of the report was explained to the Philippine side, the report was submitted.	1983	(N) (Preliminary)	10. 17, 1983 - 10. 24, 1983	4	1,536	
			"	(N)	11. 21, 1983 - 12. 20, 1983	13	84,513	
			"	(N)	2. 1, 1984 - 3. 21, 1984	9		
			1984	(N)	4. 12, 1984 - 11.30, 1984	13	108,869	
			"	(N) (Report)	5.22, 1984 - 5. 31, 1984	3		
			1985	(N) (Report)	7. 15, 1985 - 7. 20, 1985	3	10,535	
			Cumulative total					207,839

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
37	Plant Renovation (Luson Island Transmission Network) Plan	<p>Although the transmission line network in Luson island of Philippine was completed accomplished by the construction of both water power generation plants of Ambukla and Binga in 1950's, recently, the accident of leakage and service interruption occurs many times due to subsequent increase of electric power demand and degradation of various facilities.</p> <p>This survey was executed to investigate the whole system concerning Luson grid and Kagayan subgrid transmission network to correspond to this situation.</p> <p>In 1983, grasping of the back ground of request by the Philippine side, confirmation and evaluation of the needs of the Philippine side, confirmation of the responding system of counterpart of the Philippine side, site search and signature of S/W</p>	1983	(N) (Preliminary)	1. 25, 1984 - 1. 31, 1984	3	2,186
			1984	(N)	9. 18, 1984 - 11. 1, 1984	5	67,484
			"	(N) (Report)	2. 17, 1985 - 2.23, 1985	2	
			1985	(N)	(Reports sent)	-	80
			Cumulative total				
<p>were conducted. In 1984, after the local survey to grasp the current status of the transmission network and future plan was conducted, these results were analyzed and the final report of the most suitable renovation plan was prepared.</p>							
38	ASEAN countries Mineral Industry Project Selection and Confirmation Survey	(Indonesia, Malaysia, Philippine, Singapore and Thailand.)	1983	(N)	6. 26, 1983 - 7. 27, 1983	4)	(387)
39	ASEAN Countries Economic and Technological Cooperation Survey (Plant Renovation Cooperation)	(Indonesia, Malaysia, Philippine, Singapore and Thailand)	1983	(N)	10. 30, 1983 - 11. 12, 1983	4)	(828)

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
40	Plant (Paper Pulp) Renovation Plan	PICOP's Biglis plant and Iligan plant in Mindanao island which are the paper making plants constructed by Japan's fund cooperation are diagnosed and the production increase of Biglis plant and the transfer of the facility of Iligan plant area intended. In 1984, I/A was signed by the prior survey in June and the complete survey was executed in September and after the local explanation of the final report draft, the final report was sent.	1984	(N) (Preliminary)	6. 21, 1984 - 6. 30, 1984	4	3,409
			"	(N)	9. 10, 1984 - 9. 28, 1984	9	76,144
			"	(N) (Report)	1. 28, 1985 - 2. 2, 1985	4	
			Cumulative report				79,553
41	Survey of Water Power Stored in Luzon Island	In order to promote the development of the alternate energy of the oil, the Philippine government performs the survey of stored water power in Philippine of which the economic development is possible not executed yet concerning the water power and aims to clarify the content of prominent water power and obtain the policy of the future energy development and as the first step, plans the survey of water power stored in Luzon Island. In 1984, the discussion of the stage of survey, range and computer conversion to be used was conducted with Philippine side and after the outline survey of the site (helicopter) and the collection of related document, I/A was concluded with the Philippine side. In 1985, after the fundamental survey such as the collection of document, preparation of the design standard, social economy and current status survey of the electric power market, a series of the survey of stored water such as the investigation of the individual water power point of existing plan and newly extracted plan, topology, maintenance of the water science data and local survey was proceeded and by utilizing the computer,	1984	(N) (Preliminary)	2. 18, 1985 - 2. 28, 1985	5	5,485
			1985	(N)	7. 1, 1985 - 3. 18, 1986	14	99,371
			1986	(N)	6. 2, 1986 - 1. 27, 1987	10	148,455
			1987	(N) (Report)	6. 7, 1986 - 6. 24, 1986	4	20,103
			Cumulative total				273,414
<p>(1) preparation of the data base, (2) preparation of the list of water power point by the primary screening and (3) calculation of stored water power wer conducted. In 1986, screening of the water power point was executed subsequent to 1985 and in the form of listed up prominent print for the developmint, the final report was prepared. In 1987, the survey results upto 1986 were summarized in the final report and the survey was completed.</p>							

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
42	ASEAN Countries Mineral Industry Project Selection and Confirmation Survey	(Indonesia, Malaysia, Thailand and Philippine)	1984	(N)	8. 25, 1984 - 9. 2, 1984	1)	(280)
43	Kaliraya Dam Repair Plan	Although Kaliraya dam is the earth fill dam completed in 1947 located 60 Km south of Manila, recently, the crack in the concrete in the vertical surface of the upstream of the dam body and in addition, the small sized landslide and spring in the vertical surface in the downstream were found. This plan aims to search these causes and investigate its countermeasure. In 1985, the prior survey was conducted and at the same time, monitoring by the supplied equipment was started and the survey was conducted by the Philippine side and instructed and supervised together. In 1986, based on the monitoring result and stability analysis concerning the safety control system for the dam concerned and dam behavior, the restoration plan was prepared and its technical and economic evaluation was conducted and after it was summarized as the final report. This report was sent to the Philippine side.	1985	(N) (Preliminary)	6. 5, 1985 - 6. 18, 1985	6	8,430
			"	(N)	10. 8, 1985 - 12. 30, 1985		35,337
			"	(N)	1. 19, 1986 - 1. 25, 1986		
			"	(N)	3. 9, 1986 - 3. 15, 1986	6	
			1986	(N) (Report)	7. 22, 1986 - 7. 31, 1986	4	10,819
			Cumulative total				54,586
44	Plant (Island Cement) Renovation Plan	The plant diagnosis is executed against the island cement plant and based on its result, the renovation plan is prepared. In 1985, the prior survey was executed in September and S/W was signed and in January, 1986, the local survey and further, a part of the domestic work were executed. In 1986, based on the local survey in 1985 (January, 1986), the domestic analysis work was executed and the final report was prepared and submitted.	1985	(N) (Preliminary)	9. 25, 1985 - 10. 5, 1985	5	6,658
			"	(N)	1. 20, 1986 - 2. 8, 1986	6	32,190
			1986	(N)	7. 7, 1986 - 7. 15, 1986	4	28,584
			Cumulative total				67,432

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
45	ASEAN Countries Mineral Industry Project Selection and Confirmation Survey	(Indonesia, Malaysia, Philippine, Singapore and Thailand)	1985	(N)	5. 28, 1985 - 6. 2, 1985	1	320	
46	Karaka Coal Thermal Power Generation Station No.1 Plant Improvement Plan	Although No. 1 Plant of Karaka power generation station started the power generation of 300,000 Kw in 1984, the improvement of the whole tower generation station becomes essential due to the poor quality of the coal as the fuel and the related plan is prepared. In 1986, I/A related to the complete survey was concluded and the survey concerning the power generation facility, security and maintenance for the operation and coal mine was conducted. In 1987, based on the result of the local survey divided into 2 parts, the final report was summarized and this survey was completed.	1986	(N) (Preliminary)	11. 16, 1986 - 11. 29, 1986 2. 15, 1987 - 3. 29, 1987	6 9	43,540	(Equip- ment supply)
			1987	(N)	7. 5, 1987 - 9. 8, 1987 10. 5, 1987 - 10. 13, 1987	10	81,405	20,400
				(N) (Report)	12. 7, 1987 - 12. 15, 1987	2		
			Cumulative total				124,945	20,400
47	Ambkrao Dam Repair Plan	Although 25 years elapsed after the construction of Ambkrao dam of Aguno river located in the middle western part of Luzon Island and the modification of various parts was required, the preparation of the related restoration plan is performed. In 1986, the agreement and signature of I/A related to the complete survey, monitoring concerning the dam behavior and local survey work were executed. In 1987, the local survey was executed dividing into 2 parts and its result was summarized as the final report and the survey of this project was completed.	1986	(N) (Preliminary)	8. 21, 1986 - 9. 6, 1986 11. 7, 1986 - 3. 31, 1987	5 (Total) 8	50,592	4,730
				(N)	7. 1, 1987 - 7.14, 1987 11. 1, 1987 - 11. 4, 1987	4	30,084	-
			1987	(N) (Preliminary)	2. 14, 1988 2. 21, 1988	4		
			Cumulative total				80,676	4,730

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)		
48	Mineral Industry Project Selection and Confirmation Survey	(Philippine, Indonesia, Malaysia, Singapore and Thailand)	1986	(N)	7. 1, 1986 - 7. 5, 1986	1	(402)		
49	Angat Dam Repair Plan	<p>Since 21 years elapsed after the completion of Angat dam located at the upstream basin of Angat river which flows down into Manila bay and the repair was required, the repair plan which is technically, economically and financially most suitable and the dam control standard are prepared.</p> <p>In 1986, the prior survey team was dispatched in February, 1987 and after the discussion with the related organization at the Philippine side, S/W related to the complete survey was agreed and signed.</p> <p>In 1987, the explanation of the inception report, local survey and collection of the document were conducted and based on this result, the domestic analysis was executed and it was summarized as the progress report and sent.</p>	1986	(N) (Preliminary)	2. 3, 1987 - 2. 17, 1987	4)	(4,141)	(Equip- ment supply)	
			1987	(N)	9. 17, 1987 - 3. 27, 1988	6	23,462	16,648	
			Cumulative total					27,603	16,648
50	Mineral Industry Project Selection and Confirmation Survey	(Philippine and other 9 countries)	1987	(N)	6. 28, 1987 - 7. 1, 1987	1	3,141		
				(N)	11. 7, 1987 - 11. 21, 1987	4)			
51	Binga Dam Repair Plan	<p>Since 28 years elapsed after the completion of Binga dam located in Agno river basin in the middle part of Luzon Island and the repair was required, the repair plan which is technically, economically and financially most suitable concerning this dam and the dam control standard are prepared.</p>	1986	(N) (Preliminary)	2. 3, 1987 - 2. 17, 1987	4)	(4,142)		
			1987	(N)	9. 17, 1987 - 3. 29, 1988	5	25,462	10,508	
								29,604	10,508



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		<p>In 1986, the prior survey team was dispatched in February, 1987 and after the discussion with the related organization of the Philippine side, S/W related to the complete survey was agreed and signed.</p> <p>In 1987, the explanation of the inception report, local survey and collection of the document were conducted and based on this result, the domestic analysis was executed and it was summarized as the progress report and sent.</p>					
52	Financial and Economic Analysis Fundamental Guideline Preparation Survey	<p>(Philippine and U.S.A.)</p> <p>The financial and economic analysis is researched by the feasibility report (F/R) and general publication and at the same time, hearing of the wide opinion from the people who is located at the standpoint to utilize F/R of this work organization and the academic standpoint is made and these are summarized and the preparation of the fundamental guideline of the financial and economic analysis in the mineral industry plan survey department is aimed.</p> <p>In 1987, the international assistance organization such as the International Bank and ADB were visited and the opinion was exchanged and its result was summarized as the report.</p>	1987	(N)	1. 20, 1988 - 1. 29, 1988	3	6,756

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
53	Coal Mining Technology Development Master Plan	In order to contribute to the improvement of the efficiency and productivity of the domestic mine in Philippine, the technological innovation such as coal mining and security, arrangement of mining worker, review of the safety control standard, survey and evaluation are conducted and M/P for the member development and production increase of the coal is prepared. In 1987, the prior survey was conducted and at the same time, the review and evaluation of the prediction of long term demand and supply, current status of the coal mining and current status of the coal utilization were conducted.	1987	(N) (Preliminary)  (N)  (N) (Report)	10. 5, 1987 - 10. 16, 1987  1. 25, 1988 - 2. 20, 1988  3. 22, 1988 - 3. 30, 1988	5  8  3	48,364
		(Total of the overseas development plan survey work)		(Survey team)  4,004,005	(Equipment supply)  88,423	(Total)  4,092,428	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
1	Mindano Island Eastern District Resource Development Cooperation Fundamental Survey	<p>This is the survey of the possibility of the Mindanao resource existing in the district of 10,000 km<sup>2</sup> surrounded by the eastern part of Mindano Island and seashore in the eastern part.</p> <p>Based on the survey result in 1971, in 1972, the possibility of existence of the mineral resource in the prominent district of approximately 3,000 km<sup>2</sup> among the covered area in the eastern district of Mindanao Island was surveyed.</p> <p>In 1973, the geological survey, physical search (I·P) and boring were conducted.</p>	1971	(O)	2. 17, 1972 - 3. 31, 1972	26	27,682	
			1972	(O)	4. 1, 1972 - 6. 7, 1972	22)	112,740	
			"	(O)	1. 17, 1973 - 3. 31, 1973	29		
			1973	(O)	4. 1, 1973 - 4. 13, 1973	10)	154,569	
			"	(O)	9. 18, 1973 - 1. 17, 1974	19		
			1974	(O)		0	27,051	
			Cumulative total					322,042
2	Luson Northern District Resource Development Cooperation Fundamental Survey	<p>Survey of the possibility of existence of the mineral resource</p> <p>The covered area is the area of 10,000 km<sup>2</sup> among the district surrounded by the north latitude of 15°15', east longitude of 120°45' and east coast and the aerial magnetic search and geological survey were executed.</p> <p>In 1976, the survey was also continued and the mineral zone of the copper was extracted.</p> <p>Although the initial plan was assumed to 3 years, it was extended to 1977 and executed.</p>	1974	(O)	6. 10, 1974 - 3. 31, 1975	17	54,082	(Equip- ment supply)
			1975	(O)	4. 1, 1975 - 4. 3, 1975	5)	80,105	3,144
			"	(O)	1. 8, 1976 - 3. 31, 1976	16		
			1976	(O)	4. 1, 1976 - 5. 29, 1976	13)	192,417	2,280
			"	(O)	4. 26, 1976 - 3. 31, 1977	33		
			1977	(O)	4. 1, 1977 - 12. 13, 1977	28	84,407	4,438
			Cumulative total					411,011

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)		
3	Luson Northern District Resource Development Cooperation Follow-up Survey	Based on the request by Philippine, the survey of the possibility of existence of the mineral resource in the area of approximately 10,000 km <sup>2</sup> in the north eastern part of Luson Island is executed.  Incidentally, this project is the follow-up survey of the northern district survey executed from 1974 to 1976.  (This project follow-up survey was executed together with the follow-up survey of Chili northern district survey.)	1978	(O)	6. 21, 1978 - 7. 9, 1978	4)	(1,195)		
			1978	(O)	7. 10, 1978 - 7. 27, 1978				
4	Luson North Western District Resource Development Survey	The possibility of existence of the mineral resource in 6,000 km <sup>2</sup> of the north western area of Luson Island is surveyed.  In 1978, the prior survey, coordination of the agreement and geological survey were executed.  In 1980, the geological survey, physical search and boring of four districts of Abra, Solsona, Bontoc and Kabugao extracted as the prominent area by the primary year survey were conducted.  In 1981, the fine survey in Abra district and Bontoc district was executed subsequently.	1978	(O)	7. 10, 1978 - 7. 27, 1978	11	22,684	(Equip- ment supply)	
			"	(O)	1. 14, 1979 - 3. 31, 1979				
			1979	(O)	4. 1, 1979 - 4. 14, 1979	6)	96,184	3,947	
			"	(O)	1. 16, 1980 - 3. 31, 1980				16
			1980	(O)	4. 1, 1980 - 5. 14, 1980	14)	194,938	8,309	
			"	(O)	11. 5, 1980 - 3. 31, 1980				17
			"	(O)	11. 10, 1980 - 11. 20, 1980				
			"	(O)	1. 6, 1981 - 1. 31, 1981				

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	
			1981	(O)	(Domestic work, preparation of reports)	0	63,181	(Equipment supply)
			Cumulative total				377,087	12,256
5	Mindro District Resource Development Survey	Concerning the whole area of Mindro Island (10,000 km <sup>2</sup> ), the mineral resource distribution drawing is prepared and the evaluation of the prominent area of existence of the mineral resource is conducted by using the method such as the analysis of landsat data, photographic geological analysis, geological survey district chemical search, physical search and boring.  In 1982, the geological survey was executed in the whole area of Mindro Island. In 1983, the geological survey and geological chemistry search were executed in 500 km <sup>2</sup> .  In 1984, based on the above-mentioned survey result, the report was prepared and submitted.	1981	(O)	2. 8, 1982 - 5. 24, 1982	10	35,112	
			"	(O)	3. 8, 1982 - 4. 16, 1982			
			1982	(O)	4. 20, 1982 - 5. 1, 1982	1	104,283	9,879
			"	(O)	1. 31, 1983 - 3. 31, 1983	6		
			1983	(O)	4. 1, 1983 - 5. 1, 1983	5	71,584	4,132
			"	(O)	4. 27, 1983 - 5. 5, 1983	13		
			"	(O)	10. 1, 1983 - 10. 5, 1983			
			"	(O)	11. 21, 1983 - 3. 27, 1984			
			1984	(O)	(Work done in Japan)		41,555	
			Cumulative total				252,534	14,011

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
6	Mineral Industry Project Follow-up Survey	(Turkey, Morocco, Argentine, Chili, Philippine and Colombia)	1981	(O)	5. 30, 1981 - 6. 11, 1981	13)	(1,429)
			"	(O)	7. 5, 1981 - 7. 8, 1981		
			"	(O)	6. 12, 1981 - 6. 27, 1981		
			"	(O)	10. 17, 1981 - 10. 26, 1981		
			"	(O)	11. 24, 1981 - 12. 7, 1981		
			1981	(O)	12. 5, 1981 - 12. 12, 1981		
7	Prior Survey Coordination	(Argentine, Chili, Philippine, People's Republic of China and Guatemala)	1981	(O)	6. 12, 1981 - 6. 25, 1981	7)	(821)
			"	(O)	5. 30, 1981 - 6. 11, 1981		
			"	(O)	2. 15, 1982 - 2. 19, 1982		
			"	(O)	12. 15, 1981 - 12. 19, 1981		
			"	(O)	6. 3, 1981 - 6. 9, 1981		
			"	(O)	8. 11, 1981 - 8. 22, 1981		
			"	(O)	7. 12, 1981 - 7. 22, 1981		

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	(Equipment supply)
8	Mineral Resource Fundamental Drawing Survey	<p>The mineral resource fundamental drawing is prepared by the compilation of existing data, analysis of the landsat data, aerial search and geological chemistry search.</p> <p>In 1984, I/A was discussed and signed and subsequently, the analysis of landsat data (300,000 km<sup>2</sup>), collection of the existing data, compilation and analysis (130,000 km<sup>2</sup>) were conducted.</p> <p>In 1985, the geological chemistry search and geological survey (18,490 km<sup>2</sup>) were executed in Masbate district, northern part of Leite district, southern part Leite and Dinagato Chagal district and the distribution of abnormal area mainly consisting of the copper and clarified.</p> <p>In 1986, the geological chemistry search and geological survey (30,838 km<sup>2</sup>) were executed in Shelamadren district, Sebu district, eastern part Banai district, western part Banai district, Lonbron district, Barwan district and western part Negros district.</p> <p>In 1987, the geological survey and geological chemistry search (2,148 km<sup>2</sup>) were executed in Bolongan, Dolores and Bolongan districts. In addition, the comprehensive evaluation was conducted in Banai, Masbate and Lonbron districts.</p>	1984	(O)	12. 10, 1984 - 12. 19, 1984	10	30,866	2,501
			"	(O)	1. 10, 1985 - 2. 28, 1985			
			1985	(O)	4. 10, 1985 - 8. 26, 1985	44	322,999	12,824
			1986	(O)	5. 14, 1986 - 3. 22, 1987	55	255,340	12,280
			1987	(O)	7. 20, 1987 - 3. 17, 1988	22	115,275	5,558
			Cumulative total				724,480	33,163
9	Resource Development Survey and Follow-up Survey	(Philippine, Chili and Brazil)	1984	(O)	7. 10, 1984 - 7. 18, 1984	2)	(385)	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
10	Resource Development Survey, Prior Survey and Coordination		1984	(O)	9. 24, 1984 - 9. 28, 1984	3	284
		(Total of the resource development cooperation fundamental survey work)			(Survey team)  2,091,268	(Equipment supply)  69,292	(Total)  2,160,560



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	National Water Science Research Centre Function Strengthening Plan	In view of the status where the solution of flood problem by the typhoon and maintenance of the irrigation facility to increase the food stuff production become the problem, the construction of experimental building for the water science research in the site of Philippine University and maintenance of the experimental facility are performed.	8.17, 1977	6	1977	Basic design	4.10, 1977 - 4.24, 1977	8	Development survey
					"	Explanation of reports	6.23, 1977 - 7.6, 1977	6	
					1982	Follow-up	11.8, 1982 - 11.19, 1982	4)	1,344
					1986	"	10.27, 1986 - 11.1, 1986	2)	1,669
					Cumulative total				
2	Pantabangan Forest Security Training Centre Establishment Plan	The centre to perform the concentrated education and training of the forest security technology and technical instruction is constructed.	8.31, 1978	10.5	1977	Basic design	9.26, 1977 - 10.22, 1977	7	Development survey
					1978	Expediting the execution (survey)	10.19, 1978 - 10.31, 1978	1)	302)
					1979	"	5.31, 1979 - 6.10, 1979	2)	(259)
					"	"	11.12, 1979 - 11.23, 1979	3)	(298)
					"	"	4.4, 1980 - 4.12, 1980	2)	(211)
					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)
3	Tropical Medical Research Centre Establishment Plan	The tropical medical research centre to aim the epidemic survey research, etiological research as well as the clinic survey research closely related to them is constructed.	8.28, 1979	17.5	1978	Preliminary survey	11.28,1978 - 12.12,1978	4	Development survey
					"	Basic design	1.24,1979 - 2.10,1979	7	
					"	Explanation of reports	3.12,1979 - 3.21,1979	4	
					1979	Expediting the execution (survey)	5.31,1979 - 6.31,1979	2)	(259)
					"	Expediting the execution (survey)	11.12,1979 - 11.23,1979	3)	(298)
					"	Expediting the execution (survey)	4.4,1979 - 4.12,1980	2)	(211)
					1984	Follow-up	9.13,1984 - 9.21,1984	2)	(633)
					Cumulative total				
4	Fishery Survey Technology Training Plan	The new survey training ship is supplied to the fishery faculty of Philippine University to research and develop the offshore fishery. (The survey training ship of 190 ton which was supplied by the reparation could not perform enough activity.)	1.9, 1980	7	1979	Basic design	8.20,1979 - 9.9, 1979	6	Development survey
					"	Expediting the execution (survey)	11.12,1979 - 11.23,1979	3)	(298)
					"	Expediting the execution (survey)	4.4,1980 - 4.12,1980	2)	(211)

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)
					1980	Expediting the execution (survey)	6.8, 1980 - 6.21, 1980	2)	(318)
					"	Expediting the execution (survey)	7.8, 1980 - 7.14, 1980	((2))	((227))
					Cumulative total				1,054
5	Panpanga River Flood Warning System Plan	The degraded equipment of the warning system in Panpanga river basin is renewed.	5.27, 1981	0.21	1977	Basic design	10.17, 1977 - 11.30, 1977	11	Development survey
					"	Explanation of reports	3.14, 1978 - 3.18, 1978	2	
6	Ilocosnorte Irrigation Facility Maintenance Plan	The irrigation facility is constructed in Ilocosnorte district of which the development is delayed concerning the rice production increase.	9.5, 1980	9.16	1979	Basic design	2.1, 1980 - 3.27, 1980	18	Development survey
					1980	Expediting the execution (survey)	7.8, 1980 - 7.14, 1980	((2))	((227))
					"	Expediting the execution (survey)	12.14, 1980 - 12.21, 1980	1)	(112)
					"	Expediting the execution (survey)	4.5, 1981 - 4.13, 1981	2)	(519)
					1981	Expediting the execution (survey)	9.6, 1981 - 9.18, 1981	2)	(599)
					1983	Follow-up	3.21, 1984 - 4.3, 1984	5)	(1,386)

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				2,843
7	Philippine Engineering University Comprehensive Research and Training Centre Establishment Plan	The centre is constructed in order to foster the skilled engineer and intend the fostering and retraining of the teacher.	9.5, 1980	18.5	1978	Preliminary survey	11.11,1978 - 11.20,1978	4	Development survey  ((227))  (112)
					"	Basic design	1.23, 1979 - 2. 9, 1979	9	
					"	Explanation of reports	3.18, 1979 - 3.27, 1979	5	
					1980	Expediting the execution (survey)	7.8, 1980 - 7.14,1980	((2))	
					"	Expediting the execution (survey)	12.14,1980 - 12.21,1980	1)	
					Cumulative total				
8	Social Science Centre Establishment Plan	The facility which can be utilized commonly by the major organization in the social science feeld and related department of each university is constructed.	7.6, 1981	13	1981	Basic design	6.22, 1981 - 7.12, 1981	5	Development Survey
					1981	Explanation of reports	8.12, 1981 - 8.18, 1981	3	
9	Petrology, Mineralogy and Geological Chronology Research Centre Establishment Plan	The research centre to perform the analysis of mineral article and survey research in order to promote the energy resource and mineral resource development which is the most important problem in the economic development 5 year plan (1978 to 1982) is constructed.	7.16, 1981	10.3	1980	Basic Design	3.2, 1981 - 3.22,1981	6	Development Survey
					1981	Explanation of reports	5.11,1981 - 5.16,1981	3	
					1984	Follow-up	12.11,1984- 12.20,1984	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)
10	Fresh Water Raising Education and Research Centre Construction Plan	The facility to enlarge the education and research centre belonging to the fresh water raising centre of Middle Part Luzon University which is the central research organization concerning the fresh water raising is constructed.	11.13, 1981	6	1981	Basic design	6.24, 1981 - 7.14, 1981	7	Development survey
					"	Explanation of reports	7.9, 1981 - 9.12, 1981	3	
11	INNOTECH Education and Training Centre Establishment Plan	The development of teaching materials, education method and curriculum which is suitable for the area and prevailing are promoted and fostering of this member, training, research and experimental functions are enlarged and strengthened.	7.17, 1981	10.2	1980	Basic design	11.10, 1980 - 11.23, 1980	4	Development survey
12	Ocean Resource Search Ship Construction Plan	In order to develop the mineral resource in the sea area around Philippine, the ocean resource search ship required for the collection of fundamental data is constructed.	7.23, 1982	21.4	1981	Preliminary survey	1.24, 1982 - 1.30, 1982	3	Development survey
					1982	Basic design	4.10, 1982 - 4.24, 1982	7	
					"	Explanation of reports	8.8, 1982 - 8.14, 1982	2	
					"	Expediting the execution (survey)	9.24, 1983 - 10.28, 1983	2)	(794)
13	High Class Chemical Research Centre Construction Plan	The high class chemical research centre to aim the improvement of quality of the food stuff and daily life product is constructed and the research and training equipment is maintained.	10.1, 1982	10	1982	Basic design	6.28, 1982 - 7.17, 1982	6	
					"	Explanation of reports	8.29, 1982 - 9.4, 1982	3	
					1983	Expediting the execution (survey)	9.29, 1983 - 10.7, 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)
					1983	Expediting the execution (survey)	1.17,1984-1.28,1984	2)	(1,277)
					"	Expediting the execution (survey)	3.7, 1984 - 3.24,1984	2)	
14	Agricultural Village Industry Related Agricultural Village Development Centre (Member Fostering Plan) I and II	I Among various member fostering programs, the training equipment of the domestic industry training centre to foster the member of the domestic industry is maintained. II The facility required for the member fostering in each field of the domestic industry related to the fishery raising, construction and house is constructed and the equipment is supplied.	I 3.2, 1983	5.2	1982	Preliminary survey	4.10,1982 - 4.23,1982	2	Development survey
			II 7.5, 1983	25.9	"	Preliminary survey	8.31,1982 - 9.10,1982	4	
					"	Basic design	10.10,1982 - 10.30,1982	7	
					"	Explanation of reports	12.12,1982 - 12.21,1982	3	
					1983	Expediting the execution (survey)	3.7, 1984 - 3.24,1984	((2))	
15	Batern Destitute Centre Enlargement Plan	The medical treatment facility and professional training facility are constructed.	3.9, 1983	10.3	1982	Basic design	1.16,1983 - 2.24,1983	7	Development survey
					1983	Expediting the execution (survey)	3.7, 1984 - 3.24,1984	((2))	((218))
16	Bohol Agriculture Promotion Centre Construction Plan	As a part of Bohol comprehensive area development plan, the facility to aim the research and training and prevailing of the technology which is suitable for the area is constructed in order to intend the agricultural promotion.	7.21, 1983	9.7	1982	Basic design	9.28,1982 - 10.14,1982	5	Development survey
					"	Explanation of reports	1.19,1983 - 1.29,1983	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)
17	Normal Collage Library Construction Plan	The library of Normal Collage which was degraded and became narrow is disassembled and the library which is provided with the seminar room for visual and audio sense personal and open lecture is constructed at the site.	7.21, 1983	13.7	1982	Basic Design	1.19,1983 - 2.8, 1983	6	Development survey
					"	Explanation of reports	4.6, 1983 - 4.14,1983	4	
					1983	Expediting the execution (survey)	3.7, 1984 - 3.24,1984	((2))	((218))
18	Local Hospital Medical Equipment Maintenance Plan	The medical equipment of the degraded local hospital is renewed and maintained.	4.3, 1984	7.9	1984	Expediting the execution (survey)	4.22,1984 - 4.30,1984	1	543
19	Moron District Fishery Promotion Plan	The fishery training centre is constructed of the Moron district fishery corporation in order to intend the fishery promotion in Moron district and the training equipment is maintained.	4.3, 1984	2.3	1984	Expediting the execution (survey)	7.30,1984 - 8.4, 1984	2	746
20	Don Mariano Marcos Memorial National University Agriculture and Forestry Study Centre Construction Plan	The agriculture and forestry study centre is constructed in Don Mariano Marcos University which is the central university of this district to aim the research and prevailing of the agriculture and forestry study in Regional 1.	5.28, 1984	10.87	1983	Basic design	10.25,1983 - 11.14,1983	6	Development survey
					"	Explanation of reports	1.27,1984 - 2.3, 1984	4	
21	Bagio City Sewage Treatment Facility Construction Plan	In Bagio City, the delay of basic maintenance of the city is remarkable to the contrary of the rapid enlargement of the city. For this reason, the sewage treatment plant is constructed as the model facility to prevail the sewage treatment system in the whole Philippine.	5.28, 1984	15.76	1983	Preliminary survey	5.30,1983 - 6.7, 1983	4	Development survey
					"	Basic design	2.8, 1984 - 3.1, 1984	6	
					1984	Explanation of reports	4.22,1984 - 4.29,1984	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)
22	National Navigation Technology Training Centre Establishment Plan I and II	Although the reeducation of the crew centered around the lecture was conducted in Takroban city, due to the insufficient fund. The practice training could not be executed. For this reason, the practice facility is constructed and the equipment for practice education is maintained.	6.28, 1984	12.73	1983	Basic design	10.12,1983 - 11.1, 1983	7	Development survey
			6.21, 1985	24.27	"	Explanation of report	1.19,1984 - 1.25,1984	4	
23	Pantabangan Forest Fire Fighting Equipment Maintenance	The forest formation project in Pantabangan area is under the condition where approximately 20% of the land of which the plantation was completed was burnt due to the natural fire and miss fire of the slash-and-burn moving farmer. For this reason, the equipment required for the establishment of the forest fire fighting organization is maintained.	9.20, 1984	1.03	1984	Expediting the execution (survey)	9.28,1984 - 10.6,1984	1	1,561
					1985	Expediting the execution (survey)	3.20,1986 - 3.25,1986	((1))	((206))
					Cumulative total				
24	Local Environment Sanitation Pilot Plan	To aim the improvement of the sanitary concept of the inhabitant, the water supply facility and toilet for which the deep well is the water source are constructed in the model district in the vicinify of Manila where the degradation of sanitary environment is remarkable.	12.20, 1984	9.65	1982	Preliminary survey	1.6, 1983 -	4	Development survey
					1984	Basic design	5.27,1984 - 7.5, 1984	7	
					"	Explanation of reports	9.28,1984 - 10.5,1984	3	
					1985	Expediting the execution (survey)	12.8,1985 - 12.21,1985	1)	
25	National Cancer Centre Medical Equipment Maintenance Plan	The medical equipment required to strengthen the function of the national cancer centre is maintained.	2.18, 1984	5.92	1984	Expediting the execution (survey)	2.21,1985 - 3.9, 1985	3)	1,908
					"	Expediting the execution (survey)	3.2, 1985 - 3.9, 1985	2	
					1985	Expediting the execution (survey)	3.20,1986 - 3.25,1986	((1))	



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)
					1986	Follow-up	10.27,1986 - 11.1, 1986	2)	(1,669)
					Cumulative total				3,984
26	Crocodile Farming Research Centre Construction Plan	The facility for the research of crocodile farming technology is constructed and the equipment is maintained.	6.1, 1985	17.61	1982	Preliminary survey	12.3, 1982 - 12.10,1982	5	Development survey
					1983	Basic design	11.3,1983 - 11.22,1983	6	
					1984	Basic design	10.29,1984 - 11.20,1984	6	
					"	Explanation of reports	1.31,1985 - 2.10,1985	5	
27	Alternate Fertilizer Research Equipment Maintenance Plan	The equipment for the development of alternate fertilizer research to supplement the insufficient fertilizer is maintained.	6.21, 1985	3.0	1985	Expediting the execution (survey)	8.21,1985 - 8.29,1985	3	3,406
28	Food Stuff and Medicine Test Centre Establishment Plan	The centre to secure the safety and quality of the food stuff and medicine related to the public health is constructed.	12.20, 1985	10.81	1985	Basic Design	6.10,1985 - 6.28,1985	6	26,656
					"	Explanation of reports	9.9, 1985 - 9.13,1985	3	
					1986	Expediting the execution (survey)	3.19,1987 - 3.23,1987	1)	
			8.22, 1986	4.17			10.27,1986 - 11.1, 1986	2)	1,103
					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)
29	Food Stuff Production Increase Assistance	In order to increase the food stuff production, the agricultural chemical, fertilizer and agricultural machine are supplied.	12.20, 1985	25.0	1985	Basic design	10.22,1985 - 11.8, 1985	6	14,759
					"	Expediting the execution (survey)	12.8,1985 - 12.21,1985	1)	
			12.29, 1986	29.0	1986	Expediting the execution (survey)	10.27,1986 - 11.1, 1986	2)	1,348
							3.19,1987 - 3.23,1987	1)	
					1987	Expediting the execution (survey)	4.10,1988 - 4.15,1988	1)	963
		Cumulative total					17,070		
30	Labor Safety and Sanitation Centre Construction Plan	The fundamental design survey related to the construction of the centre to aim the health diagnosis related to the labor safety and sanitation, execution of environmental measurement, training of related personnel of safety and sanitation, various survey and research and supple of information was executed.	12.18, 1986	19.69	1985	Preliminary survey	8.19,1985 - 8.31,1985	2	2,138
					"	Basic design	4.10, 1986 - 4.29,1986	8	
					1986	Explanation of reports	7.20,1986 - 7.23,1986	4	23,280
					1987	Expediting the execution (survey)	4.10,1988 - 4.15,1988	1)	131
					Cumulative total				
31	Agricultural Mechanizaiton Pilot Project	The prior survey related to the construction of crop processing centre and storage warehouse and the maintenance of equipment as the pilot project required to mitigate the	-	-	1985	Preliminary (survey)	10.14,1985 - 10.25,1985	4	2,108

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)
		insufficiency of agricultural labor force and improve the productivity of agricultural product was executed.							
32	Trade Training Centre Construction Plan	The prior survey related to the construction of the centre which performs the trade training to aim the improvement of trade balance, quality control training, display activity and product improvement was executed.	12.19, 1986 *	24.32 *	1985	Preliminary survey	3.30,1986 - 4.6, 1986	4	1,915
					1986	Basic design	7.31,1986 - 8.20,1986	10	21,741
						Explanation of reports	10.30,1986 - 4.15, 1986	3	
					1987	Expediting the execution (survey)	4.10,1988 - 4.15,1988	1)	131
					Cumulative total				23,787
33	Execution Survey of Local Procurement	(Philippine and Thailand)	-	-	1985	Preliminary survey	11.18,1985 - 11.30,1985	2)	(4,555)
34	Equipment for Automobile Inspection Maintenance Plan		12.29, 1986	5.83	1986	Expediting the execution (survey)	3.23,1987 - 4.1, 1987	2)	1,348
					1987	(Work done in Japan)	-	-	772
					Cumulative total				2,120
35	Youth Reeducation Plan		12.29, 1986	3.92	1986	Basic design	8.7, 1986 - 8.26,1986	5	18,666

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)
36	Manila Metropolitan Area Environment and Sanitation Improvement Plan		3.19, 1987	8.50	1986	Preparation of specification	-	-	1,348
					1987	"	-	-	1,162
					Cumulative total				2,510
37	Science and Mathematic Teacher Training Centre Construction Plan				1986	Preliminary survey	12.7,1986 - 12.13,1986	4	1,521
					1987	Basic design	7.15,1987 - 8.2, 1987	9	24,105
						Explanation of reports	11.1,1987 - 11.8,1987	4	
		Cumulative total					25,627		
38	Comprehensive Hospital Outpatient Building Enlargement Plan				1986	Preliminary survey	12.14,1986 - 12.23,1986	4	25,121
						Basic design	3.16, 1987 - 4.9, 1987	8	
			9.25, 1987	29.88	1987	Explanation of reports	6.15,1987 - 6.22,1987	5	21,879
		Cumulative total					47,000		
39	Food Stuff Development Centre Construction Plan				1986	Preliminary survey	11.4,1986 - 11.21,1987	5	22,410
						Basic design	3.22,1987 - 4.9, 1987	8	
		9.25, 1987	20.47	1987	Explanation of reports	6.29,1987 - 7.5, 1987	3	16,807	

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				39,217
40	Tropical Medical Research Construction Plan		1.14, 1988	14.79	1987	Basic design	5.25,1987 - 6.14,1987	7	16,665
						Explanation of reports	8.24,1987 - 8.30,1987	4	
41	Gratuitous Fund Cooperation Basic Survey	(Philippine and Indonesia) Fundamental survey related to accumulate the work expense			1987	Basic survey	1.11,1988 - 1.29,1988	5	12,665
42	National Heart Disease Centre Medical Equipment Maintenance Plan		4.12, 1988	4.27	1987	Preparations of specifications	(work done in Japan)	-	2,520
43	Local Road and Bridge Construction Plan Phase I and II		4.12, 1988	4.14	1987	Basic design	11.24,1987 - 12.23,1987 2.15,1988 4.10,1988	7 6	45,141
44	Soil Research Centre Establishment Plan				1987	Preliminary survey	1.18,1988 - 1.30,1988	4	4,243
						Basic design	4.7, 1988 - 5.1, 1988	9	
45	Member Fostering Centre Program 3 Enlargement Plan		4.12, 1988	3.66	1987	Basic design	11.8,1987 - 11.21,1987	4	13,479

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)
46	Farm Irrigation Technology Centre Establishment Plan				1987	Basic design	1.18,1988 - 1.30,1988	4	7,810
		(Total of the gratuitous fund cooperation work)							365,869

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
1	Pantabangan Forest Formation Work	<p>In Philippine, from the viewpoint of the retention of the forest resource and security of the land, the forest formation in the grass land like land without wood was adopted as the important measure of the government and the request for the technical and fund cooperation by Japan in this field was made since 1973 in several times.</p> <p>In April, 1975, the development fundamental survey team was dispatched and the survey of the candidate site in Philippine to which the cooperation by Japan was possible was conducted and the required fundamental document was collected and at the same time, in promoting the forest formation work, the investigation of the possibility of cooperation by Japan in each field of the regime, technology and execution system was conducted.</p> <p>In June, 1976, since it was recognized to be required to proceed the government based technical cooperation, R/D of "Pantabangan Area Forest Formation Technical Cooperation Work" was signed. (Refer to the cooperation work by the Ministry of Agriculture and Forestry.)</p> <p>In February, 1977, the development plan survey team was dispatched. This survey was executed to aim the preparation of the development plan covering approximately 42,000 ha of remaining grass land except for 8,100 ha covered by the technical cooperation between governments among the forest formation of Pantabangan area. In addition, the local survey of the required item concerning the forest formation, forest road, forest security facility, various</p>	1975	Basic primary survey	4. 3, 1975 - 5. 14, 1975	7	23,219
			"	Basic secondary survey	10. 1, 1975 - 10. 10, 1975 12. 3, 1975 - 12. 29, 1975	3 2	
			1976	Development project survey	2. 8, 1977 - 3. 5, 1977	8	33,089
			1977		(Preparation of reports on the above)		800
			"	Development project survey	8. 3, 1977 - 8. 13, 1977 9. 26, 1977 - 10. 22, 1977 2. 27, 1978 - 3. 8, 1978	21	49,079
			1978		(Preparation of reports on the above technical cost)		3,125
			Cumulative total				109,312

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		machines and related facility of the grass land of 42,000 ha was conducted and at the same time, the discussion with the Philippine government was conducted together.					
2	Abali Iron Sand Development Related Facility Maintenance Plan Survey	<p>This is the survey of the maintenance plan of the bay and road as a part of the required facility related to the development of iron sand existing in the seashore dune in the northern Abali district in Luzon Island of Philippine.</p> <p>This survey aims to execute the local survey and domestic design work concerning the maintenance of bay and road which have the concrete possibility of the finance from the work organization in the future and perform the technical and economic investigation and at the same time, analyze the maintenance development effect of the facility concerned and contribute to the maintenance work.</p>	1976	Survey on related facilities improvement	2. 27, 1977 - 3. 31, 1977	11	22,402
			1977	Survey on related facilities improvement	4. 1, 1977 - 4. 13, 1977	11)	28,032
					(Survey of the previous year)		1,174
			Cumulative total				51,608
3	Sebu Island Dolomite Mine Development Related Facility Maintenance Plan Survey	<p>This survey was required related to Dolomite Mine development work existing in Alkoi and Gragetti districts of Sebu Island and the local survey concerning the bay, electric power, road, bridge, water supply and other infrastructures of which there is the concrete possibility of the finance from JICA in the future was conducted and the technical and economic survey of its maintenance plan was conducted.</p>	1977	Survey on related facilities improvement	9. 1, 1977 - 10. 15, 1977	13	40,038



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
4	Mindanao Island Castor-Oil Plant Development Cooperation	<p>Although the forest resource of Mindanao Island is abundant, recently, the resource may be exhausted due to excessive cutting of lauan wood and the forest formation and to promotion of multi purpose utilization development of the cut site become to great problem and in this survey, the actual status of castor-oil plant cultivation is grasped centered around Kagayandero and Dabao districts in Mindanao Island and the collection of document is conducted and the candidate land for the cooperation in this island is searched and the possibility of the development cooperation work is investigated.</p> <p>In 1978, the primary fundamental survey team was dispatched and the local survey concerning the actual status of castor-oil plant cultivation, working process and investment environment was executed and the opinion was exchanged with the person concerned of the Philippine government and the collection of document was conducted.</p>	1978	Basic primary survey	12. 2, 1978 - 12. 17, 1978	8	4,961
			1979		(Preparation of reports on the above)		2
			Cumulative total				4,963
5	Pioneer Iron Mine Development Related Facility Maintenance Plan Survey	<p>The technical and economical survey concerning the maintenance plan of the port and bay and road required related to the iron ore (estimated deposit of 2 millions 100,000 ton on the refined base) development work existing in Pioneer district in the south western part of Mindanao Island in Philippine and of which there is the concrete possibility of the finance was conducted.</p>	1978	Survey on related facilities improvement	6. 5, 1979 - 6. 5, 1979	9	17,132
					(Preparation of reports and technical documents)		24,089
			Cumulative total				41,221

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
6	Ferro Silicon Manufacturing Plant Related Facility Maintenance Plan Survey	<p>EAC plant located at Manticao town in Misamis Oriental State in the northern part of Mindanao Island in Philippine manufactures the ferro silicon of 12,000 ton annually by utilizing the relatively low cost electric power using the silica from Luzon Island as the major raw material. Although currently, Irigan public pier 2.3 km apart from the plant is mainly used for the introduction of the material and the export of the product, it is considered that much convenience is given to EAC plant and peripheral plants and land and sea traffic of the local inhabitant by constructing the alternate port in the vicinity of this plant.</p> <p>This survey performs the technical and economic survey and investigation so that the port and bay contribute to the smooth promotion of the development work concerned and at the same time, the improvement of welfare of the peripheral local inhabitant and the development of local economy by maintaining properly the port and bay required related to the development work concerned are conducted.</p>	1979	Survey on related facilities improvement	2. 11, 1980 - 3. 16, 1980	4	16,547
			1980		(Preparation of reports and technical documents)	0	5,561
			Cumulative total				22,108
7	Feed Product Development Plan Survey	<p>This survey prepares the development plan concerning the cultivation test work of the nehia grass and rose grass in the vicinity of Manila to respond to the domestic animal production increase measure of the Philippine government.</p> <p>In 1980, the measure of Philippine was investigated and the survey to prepare the work plan and cultivation plan was executed.</p>	1980	Development project survey	3. 29, 1981 - 4. 12, 1981	6	3,508
			1981		(Preparation of reports and technical documents)	0	2,083
			Cumulative total				5,591

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
8	Woody System Energy Resource Forest Formation Development Cooperation	<p>Although much of the wood produced in the developing country is utilized as the fuel, in Philippine, it occupies the important position as the domestic and industrial fuel source. This survey aims to survey the possibility of firewood and charcoal forest formation cooperation by the domestic firm in Japan accompanied by the decrease of natural forest firewood and charcoal forest resource.</p> <p>In 1981, the survey of the existing status of the forest resource, supply of the firewood and charcoal, charcoal manufacturing method, possibility of firewood and charcoal forest formation and related law regime was conducted.</p>	1981	Basic primary survey	7. 7, 1981 - 7. 24, 1981	5	4,276
9	Coconut Palm Cultivation Development Plan Survey	<p>This survey performs the possibility of the development cooperation work including the cultivation test of good kind of the coconut palm in Misamis Oriental State of Mindanao Island, selection of the suitable site and preparation of the development plan.</p> <p>In 1981, the survey of the natural, economic and location condition of the candidate site of the work, test of coconut palm, research and cultivation status was executed.</p>	1981	Development project survey	9. 29, 1981 - 10. 13, 1981	6	4,960
10	Barawan Island Wood System Energy Resource Forest Formation	<p>This survey aims the survey to convert the forest resource to the energy resource forest of which the regeneration is possible in Liochuba district of Barawan Island and establish the long term stable supply system.</p> <p>In 1981, the survey concerning the confirmation of the regime related to the forest resource and mineral resource, wood system</p>	1981	Basic secondary survey	1. 18, 1982 - 2. 2, 1982	6	5,739
			1982	Basic secondary survey	(Preparation of report)		901
			Cumulative total				6,640

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		energy resource forest formation plan and forest work plan was executed.					
11	Vegetable Breeding Test Work	This survey performs the investigation of the possibility of test work to conduct the cultivation of F <sub>1</sub> mixed breed aiming the improvement of quality, resistance to the damage by blight and noxious insects and productivity of the tomato, cucumber, pumpkin, eggplant and melon among existing vegetable and fruit as well as the preparation of the development plan in Liba city of Pantangas State 84 km south of Manila City.  In 1981, the survey of the status of vegetable cultivation and test and natural condition of the candidate site and the selection were conducted.	1981	Basic secondary survey	4. 10, 1982 - 4. 25, 1982	7	3,787
			1982	Basic secondary survey	(Preparation of report)		1,891
			1986				6
			Cumulative total				5,684
12	Basahl Cooper Refining Plant Related Facility Maintenance Plan Survey	This survey contributes to the smooth operation by maintaining properly the water supply facility required related to the copper refining plant under construction in Isabel district of Leite Island and at the same time, the improvement of welfare of the inhabitant in peripheral districts and deployment of the local economy.  In 1981, the water source survey, facility survey, social and economic survey and local development effect survey were executed.	1981	Survey on related facilities improvement	3. 7, 1982 - 4. 5, 1982	12	23,193
			1982	Survey on related facilities improvement	(Preparation of report)		29,425
			Cumulative total				52,618
13	Alasasan Non-Utilized Wood Development	Although the test forest formation work of the tropical fast growing wood <i>albigia falcata</i> is being executed in Alasasan district of Mindanao Island in Philippine, the outline of the work site, cutting, wood collection and transportation system and possibility of development of wood working	1982	Basic secondary survey	5. 26, 1982 - 6. 10, 1982	6	4,245

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		work aiming to survey and investigate concerning the possibility of non-utilized wood development work to utilize the wood of this forest were surveyed and the fundamental concept of cutting, wood collection and transportation method and wood working test work was prepared.					
14	Wood System Energy Utilization Development	(Philippine, Malaysia and Singapore) Refer to the general Asia.	1982	Basic primary survey	2. 21, 1983 - 3. 11, 1983	6)	2,031
			1983	Basic primary survey	(Preparation of report)		241
			Cumulative total				2,272
15	Castor-Oil Plant Development Cooperation	(Philippine and Indonesia) Refer to the general Asia.	1983	Basic primary survey	8. 30, 1983 - 9. 14, 1983	6)	(2,661)
16	Liochiba Mine Related Facility Maintenance	Although it is considered that the construction of the water power generation plant required related to Liochiba mine which is being operated in Batalasa district of Barawan Island contributes to its smooth operation and the improvement of welfare of the inhabitant in the vicinity and deployment of the local economy, the following survey concerning this construction plan was executed.  First of all, the prior survey of this document collection concerning the general electric power situation, local search of the candidate site for the power generation plant construction, document collection concerning the natural and social condition of the covered area and grasping of the problem at the time of execution of the survey was	1983	Survey on related facilities improvement	5. 30, 1983 - 6. 14, 1983	6	7,894
			"	Survey on related facilities improvement	1. 25, 1984 - 3. 14, 1984	10	29,870
			1984	Survey on related facilities improvement	3. 19, 1985 - 5. 7, 1985	10	44,256
			1985	Survey on related facilities improvement	(Work done in Japan)		75,419

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		conducted and subsequently, F/S centered on geology, around the geology, civil engineering, electric power estimation of electric power demand, finance, and economic analysis required for the construction of the water power generation plant was executed. As a result, the practical possibility of this project was confirmed.	Cumulative total				157,439
17	Perfume Product Cultivation Development Cooperation Work	<p><b>Objective:</b> Based on the prerequisite of the large sized production of the perfume product (bechibar, bachory and citronela) which is the new product in Philippine, the test work plan to aim the selection of good kind and establishment of the production technology is prepared.</p> <p><b>Outline:</b> The cultivation environment and investment environment in the candidate site for the development were surveyed.</p> <p><b>Result:</b> The possibility of the development cooperation work and development cooperation effect were clarified and the development plan draft was prepared.</p>	1986	Development project survey	5. 7, 1986 - 5. 16, 1986	4	3,503
			Cumulative total				3,503

No.	Project name	Summary			Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
1	Related Facility Maintenance Work Finance Survey	(Malaysia and Philippine) Refer to the general Asia.			1974	Financial cooperation	2. 10, 1975 - 2. 26, 1975	3)	(846)
2	Related Facility Maintenance Work Finance Survey	(Malaysia and Philippine) Refer to the general Asia.			1975	Financial cooperation	4. 24, 1975 - 5. 5, 1975	3)	(651)
3	Survey of Investment and Finance Assessment	Project covered by the project			1975	Financial cooperation	12. 1, 1975 - 12. 17, 1975	3	1,353
		Project name	Fund name	Content of covered work					
		(1) Alas and Asan test formation forest work	Test forest formation fund	Test forest formation of Albigiaphalcata					
		(2) Dabao test forest formation work	Ditto	Test forest formation of pine and eucalyptus					
		(3) DO Plaza forestry development work	Related facility maintenance fund	Construction of road, school and medical treatment facility					
		(4) Samahl Island test forest formation work	Test forest formation fund	Test forest formation of pine and eucalyptus					

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
4	Survey of Agricultural Development Investment and Finance Assessment	1. Survey after the finance related to the test work fund against the feed crop seed development work in Mindro Island of Philippine	1975	Financial cooperation	1. 28, 1976 - 2. 14, 1976	3	1,489
		2. Survey of the financed money related to the test work against Solgam development work in Zanbares Prefecture of Philippine					
		3. Survey before the finance related to the test work against Sorgam (Cube) development work in Mindanao Island of Philippine					
5	Agricultural Investment and Finance Assessment Survey	(Indonesia, Thailand and Philippine) Refer to the general Asia.	1977	Financial cooperation	10. 4, 1977 - 10. 25, 1977	5)	(1,071)
6	Mineral Industry Investment and Finance Assessment Survey	(Philippine and Thailand) Refer to the general Asia.	1977	Financial cooperation	10. 12, 1977 - 10. 29, 1977	3)	(1,082)
7	Forestry Investment and Finance Assessment Survey	(1) Survey prior to the finance against the test forest formation work in Kagayan-deolo district of Mindano Island in Philippine	1977	Financial cooperation	2. 27, 1978 - 3. 11, 1978	3	1,300
		(2) Survey prior to the finance against the test forest formation work in Dabao district of Mindanao Island in Philippine	1978		(Preparation of reports on the above)		97
			Cumulative total				



No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
8	Forestry Investment and Finance Assessment Survey	1. Survey after and prior to the finance by Mitsui and Co., Ltd. related to the test forest formation work in Alasasan district of Philippine 2. Survey prior to the finance by Mitsui and Co., Ltd. related to the test forest formation work in Bugidenon district of Philippine 3. Survey after the finance by Kawasaki Steel Co., Ltd. related to the test forest formation work in Kagayandeolo district of Philippine	1979	Financial cooperation	11. 20, 1979 - 12. 4, 1979	3	1,550
			1980		(Preparation of report)		220
			Cumulative total				1,770
9	Related Facility Maintenance Work Finance Assessment Survey	(Indonesia and Philippine) Refer to the general Asia.	1979	Financial cooperation	11. 12, 1979 - 11. 24, 1979	3)	(855)
10	Investment and Finance Assessment Survey	(Philippine and Thailand) Refer to the general Asia.	1980	Financial cooperation	8. 12, 1980 - 8. 24, 1980	4)	(1,056)
11	Investment and Finance Assessment Survey	(Philippine and Indonesia) Refer to the general Asia.	1980	Financial cooperation	12. 4, 1980 - 12. 19, 1980	4)	(1,415)
12	Investment and Finance Assessment Survey	(Philippine and Malaysia) Refer to the general Asia.	1981	Financial cooperation	10. 13, 1981 - 10. 31, 1981	3)	(946)
13	Investment and Finance Assessment Survey	(Philippine and Papua New Guinea) Refer to the general world.	1981	Financial cooperation	10. 22, 1981 - 11. 5, 1981	4)	(1,691)

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
14	Forestry Investment and Finance Assessment Survey	Survey after the finance related to the test forest formation work in Kagayandoro district in Philippine and survey prior to the finance related to the test forest formation work in Liangbey district of Philippine	1982	Financial cooperation	11. 8, 1982 - 11. 25, 1982	4	2,740
			"	Financial cooperation	(Preparation of report)		280
			1983	Financial cooperation	(Preparation of report)		367
			Cumulative total				3,387
15	Agricultural Investment and Finance Assessment Survey	Survey prior to the finance concerning the test work of broom corn cultivation in the suburban district of Naik city in Kabite State	1983	Financial cooperation	1. 16, 1984 - 1. 22, 1984	3	1,333
16	Nebia Cultivation Investment and Finance Assessment Survey	The survey prior to the investment concerning the cultivation test work of Nebia grass which is the feed crop was conducted.	1984	Financial cooperation	10. 4, 1984 - 10. 10, 1984	4	2,376
17	Leite Copper Refining Related Facility Investment and Finance Assessment Survey	Survey during the finance concerning the related facility (water supply) of Leite copper refining development	1985	Financial cooperation	8. 27, 1985 - 9. 4, 1985	4	1,785
			1987	"	7. 7, 1987 - 7. 16, 1987	4	1,992
			Cumulative total				3,777
18	Agricultural Investment and Finance Assessment Survey	(Philippine and Thailand) Refer to the general Asia.	1985	Financial cooperation	10. 15, 1985 - 10. 26, 1985	4)	(1,269)
19	Coconut Palm Kind Development and Vegetable Breeding Work	Survey during the finance of the test work of coconut palm cultivation and vegetable breeding in Philippine	1986	Financial cooperation	12. 9, 1986 - 12. 19, 1986	2	1,054

Development Cooperation Technology Instruction  
Part 1. Dispatch of Specialist

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Project name	Fiscal year	Number of specialists	Terms of dispatching	Actual expenditures (1000 yen)	Contents of technical instructions
Alasasan Forestry Development	1976	2	4. 8, 1976 - 4. 28, 1976	1,251	Note: Executed by the budget in 1975
Kagayandeoro District Test Forest Formation Work	1979	2	3.25, 1979 - 4. 23, 1979	1,504	
	1980	2	2. 2, 1981 - 2. 13, 1981	2,108	Forest formation and forest fostering
Buginodon Test Forest Formation Work	1980			893	
Rat Damage Countermeasure Work	1981	1	4. 9, 1982 - 4. 30, 1982		
Test Design and Forest Formation (Indonesia and Philippine)	1981	2)	11.19,1981 - 12. 3, 1981	(793)	
Rio Chiba Nickel Mine Hospital Development Cooperation	1985	1	5. 29,1985 - 8. 10, 1985	2,742	Surgery system medical technology, utilization and control of the medical equipment and establishment of the emergency medical system
Perfume Product Cultivation Test Work	1987	2	10.21,1987 - 11. 5, 1987	896	Plant pathology and soil eelworm

## Part 2. Acceptance of Trainee

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Project name	Fiscal year	Number of members	Training terms	Training site	Actual cost (thousand yen)
Agricultural Project Leader Fostering through Agricultural Cooperative	1974	2	3. 5, 1975 - 3.28, 1975	(Foundation) Asia Agricultural Cooperative Promotion Organization	756
Forestry Development Local Worker Leader Fostering	1975	4	8. 30, 1975 - 10.28,1975	(Corporation) Japan Forestry Technology Association	2,908
Forestry Development Local Worker Leader Fostering	1979	2	3. 18, 1980 - 5. 16,1980	(Corporation) Japan Forestry Technology Association	1,134
Vegetable Breeding	1984	1	3. 10, 1985 - 5. 7, 1985	Overseas Agricultural Development Association	990
Element Analysis (Coconut Palm Kind Development)	1984	1	7. 30, 1984 - 9. 22,1984	Overseas Agricultural Development Association	2,572
Vegetable Breeding	1985	1	3. 19, 1986 - 5. 19,1986	Overseas Agricultural Development Association	4,605
Organized Cultivation (Coconut Palm Kind Development)	1985	1	9. 30, 1985 - 11.19,1985	Overseas Agricultural Development Association	2,592
Farm Operation (Coconut Palm Cultivation Test Work)	1986	1	9. 30, 1986 - 11.13,1986	Overseas Agricultural Development Association	2,291
Vegetable Breeding (Vegetable Breeding Test Work)	1986	1	3. 26, 1987 - 5. 25,1987	Overseas Agricultural Development Association	3,330
Camelia Oil Extraction (Perfume Product Cultivation Test Work)	1987	1	6. 23, 1987 - 7. 22,1987	Overseas Agricultural Development Association	1,353

(Total of the Development Cooperation Work)	(Trainees)	(Experts)	(Survey team)				(Total)
	22,531	10,187	547,957				580,675
(Total of the Whole Philippine Work)	(Trainees)	(Experts)	(Survey team)	(Volunteers)	(Equipment supply)	(Other)	(Total)
	7,304,859	10,608,227	20,685,883	4,487,661	9,001,716	1,039,449	53,127,795 thousand yen

