STATISTICS ON CUMULATIVE EXPENDITURE OF JICA TECHNICAL COOPERATION

BY PROJECT IN THE REPUBLIC OF MALAYSIA

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- (NOTES) (1) The data herein describe the cumulative expenditure for JICA Technical Cooperation made in the Republic of Malaysia as well as its breakdown 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)

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 the 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 1984 1985 1986 1987 Cumulative	2,846,824 708,417 912,836 778,940 987,862 6,234,879		20,588 6,883 5,500 13,701 10,373				2,867,412 715,300 918,336 792,641 998,235 6,291,924
(Total for Trainee Acceptance Projects)		(6,234,879)		(57,045)				(6,291,924)
(Expert Dispatch Programme)	-1983 1984 1985 1986 1987 Cumulative Total		1,985,075 391,735 383,083 299,448 356,587 3,415,928	460 1,611 2,071		185,479 40,178 29,414 28,254 59,029 342,354		2,170,554 431,913 412,497 328,162 417,227 3,760,353
(Total for Projects Requiring the Dispatch of Technical Advisers)			(3,415,928)	(2,071)		(342,354)		(3,760,353)
(Equipment Supply Programme)	-1983 1984 1985 1986 1987 Cumulative Total			7,017 866 923 6,476 2,175		245,058 11,789 83,589 76,627 56,908		252,075 12,655 84,512 83,103 59,083 491,428
(Total for Equipment Supply Programme)				(17,457)		(473,971)		(491,428)

P.2 (Unit: 1,000 yen)

Name of programme or item	Fiscal year	Trainees	Experts	Survey team	Volunteers	Equipment Supply	Other	Total
(Youth Invitation Programme)	-1983 1984 1985 1986 1987 Cumulátive	188,310 189,016 187,746 180,352		3,345 5,026 4,082 4,938			18,785 13,695 16,204 14,769	210,440 207,737 208,032 200,059
	Total	745,424		17,391			63,453	826,268
(Total for youth invitation programme)		(710,552)		(16,379)			(63,453)	(826,268)
(Public Welfare Programme for Exports)	-1983 1984 1985 1986 1987 Cumulative			1,366 358			65,629 15,396 12,145 17,520 16,587	66,995 15,396 12,145 17,520 16,945
	Total			7,724			127,277	129,001
(Total for Public Welfare Programme for Exports)				(1,724)			(127,277)	(129,001
(Programme for Recruiting and Training Experts)	-1983 1984 1985 1986 1987 Cumulative			9,355 400 2,227 11,982			207,064 45,682 35,661 51,538 54,894	216,419 45,682 36,061 53,765 54,894
(Total for Programme for Training and Retaining Exports)				(11,982)			(394,839)	(406,821
(Volunteer Dispatch Programme)	-1983 1984 1985 1986 1987 Cumulative			14,720 1,761 1,109 3,340 2,962	2,528,049 318,089 347,304 334,132 357,851 3,885,425	166,907 10,819 14,376 49,052 30,526		2,709,676 330,669 362,789 386,524 391,339 4,180,997
(Total for Volunteer Dispatch Programme)				(23,892)	(3,885,425)	(271,680)		(4,180,997

			ندند حضيه نيج طنز	Sur	vey teams			Expert	S	Equipment	supply	Grand
Project name	Sümmary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
The Marine Engineering Training Project at Ungku Omar	carrying out a marine engineer-	1971	Prelimi- nary survey	3.22, 1972 - 4.15 1972	*4							•••
Politechnic Type of	ing training project. The purpose of the project was to train engineers, who are already qualified by	1972	Field survey		5	1,892		*2	•••			1,892
Agreement: Agreement	the Malaysian government as marine engineers, to work for ocean-going	1973				528						
Date Signed: 12.3, 1973	liners. The governments of Japan and Malaysia signed the project agreement in December, 1973. To help the Marine Engineering	1)					*2 Change (2)	3	9,553		742	10,823
Cooperation Term: (Initial) 12.3, 1973 - 12.2, 1977	Training Project embodied at Ungku Omar Politechnic in July, 1972, Japan started project-type technical aid through expert dispatch, acceptance of trainees and supply of equipment. The agreement was effective until December 2nd,	1974	Itiner- ant techni- cal advisory survey	9.17, 1974 - 5.11, 1974	(2)	(400)	5		26,760		126,395	(400) 153,155
(Extension) 12.3, 1977 - 6.2, 1980	1977, then it was extended to June 2, 1980. But for four years after that, experts were sent independently of the terms of the agreement. In July, 1985, a post-survey team was sent to see how the project in question worked out and if there		Itiner- ant techni- cal advisory survey	5.11, 1975 - 5.24, 1975	(2)	(687)	5	3	41,583		48,304	(687) 89,887
(Follow-up) 6.3, 1980 -	were any problems so that any future project could be improved. Another	1976				64				11.50		60,787
6.2, 1982	objective of the team was to study how project-type technical aid should be performed and how effecti- vely it can be carried out in the future. As stated above, though the	ú	Equip- ment repair	2.1, 1987 - 2.10, 1987	2	1,450	7	3	46,098		13,175	
	original project ended in December 2nd, 1977, the project type technical aid was continued for three and											

			I	Sur	vey teams			Expert	S	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expend1- tures (1,000 yen)	total of expendi- tures (1,000 yen)
	a half years and a year passed after the completion of the follow-up programme by experts dispatched. Another after-care survey team was	1987	Evalu- ation	8.31, 1987 - 9.18, 1987	4	2,907	5	10	53,563		14,496	70,966
	sent in June, 1986. It was assigned	1978	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			(B)2	5	3	38,733		(G) 771	39,506
	to assigned to assist in supply of extra equipment items.	1979					4	. ~	34,392		(G) 414	34,806
	[Number of counterparts accepted]	1980				(B)60	4	3	32,415	Automatic control training device	(G) 146 4,710	37,331
	Fiscal '75 '76 '77 '78 '79 Year No. 4 7 4 4 0	1981					2		18,488	Spare parts for diesel engines and others	4,354	22,842
	year No. 0	1982					5	-	3,485			3,485
		1985	Post survey	7.14, 1985 - 7.20, 1985	3	1,728	-	-	152			1,880
		1986	(1)	6.25, 1986 - 7.1, 1986	3	1,840	-	-	137	Engine parts	6,096	8,073
		1987				<u>-</u>	-	2	3,669	Engine parts; CO ₂ gas analyzer	11,047	14,716

		7 . 19		Sur	vey teams			Expert	8	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
		Cumu- lative total				11,558			309,028		230,650	551,236
MARA Vocational Training Insti- tute,	MARA, which was set up to develop manpower resources among Malaysians, provide employment opportunities	1972	Prelimi- nary survey	11, 1972	3	1,551						1,551
Kuala Lumpur Type of Agreement: R/D	and lessen their income gaps, is working very hard to enlarge and increase vocational training institutes. This programme was implemented by the Technical Cooperation	1973	Field survey	6.19, 1973 - 6.29, 1973	3	1,262	-	2	3,468		40,551	45,281
Date Signed: 6, 1973 Cooperation	Center for the Malaysian government. Project cooperation in the form of expert dispatch, supply of equipment and acceptance of trainees, was made to assit the electric and electronic courses of the Kuala Lumpur Vocational Training	1974	Itiner- ant techni- cal advisory survey	9.23, 1974 - 10.6, 1974	(2)	1/ (400)	2		13,533		38,353	(400) 51,886
Term: (Initial) 6, 1973 - 6, 1975	Institute, which was to be newly established in the MARA Training Department, through R/D. The cooperation term ended in June 1975, after the evaluation team was	1975	Evalu- ation	5,27, 1975 - 6.11, 1975	3.	1,470	2	<u>.</u>	13,316		74	14,860
(Extension)	sent in May 1975 to see the effect of assistance rendered by the	1976							153			153
6, 1975 - 1, 1976	Center, how equipment was used, and serviced, how experts were stationed and their terms and how the counterparts were trained. As a result, both governments agreed to postpone the term until December 21,		(1)	3.9, 1981 - 3.21, 1981	3	1,764						1,764
	1976.											

In March, 1981, on after-care survey team was sent to meet the requirements for new supply of repair parts and new items for the measuring instruments and experimental equipment provided to the Malayian government. They investigated the status of the equipment in use. [Number of counterparts accepted] [Fiscal '73 '74 '75 year No. 1 2 4	he	Type of survey	Survey terms	vey teams Number of staff members		Number exper On- going	ts	Expendi- tures (1,000 yen)	Equipment Names of major equipment items Video Monitor Electronic Circuit Experimental Equipment	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
survey team was sent to meet the requirements for new supply of repair parts and new items for the measuring instruments and experimental equipment provided to the Malayian government. They investigated the status of the equipment in use. [Number of counterparts accepted] Fiscal '73 '74 '75 Year	hent Cumu-				(D) 119				Monitor Electronic Circuit Experimen- tal		10,370
[Number of counterparts accepted] Fiscal '73 '74 '75 year '75	Çumu-										
Fiscal '73 '74 '75 year	1 1 2 2 2 2									an an an an An an an an	
	total	Indonesi and the	a, the M Marine E	ARA Vocal	6,566 the Slawesh tional Traing Training	ning Ins Program	stitute me Cer	, Malaysia ter for gi	1,	89,229	126,265
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			}	Sur	vey teams			Expert	ន	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000
MARA Vocational	In February, 1976, a preliminary	1975	Prelimi-	2.16, 1976 -	4	2,815						yen) 2,815
Training Institute, Johore Bahru	survey team was sent to comply with the request for technical co- operation to MARA, which was estab- lished to develop manpower resources		nary survey	3.4,								
Type of agreement: R/D	among Malaysians, provide employment opportunities for them and lessen income gaps among them. The nece-		Field survey	8.30, 1976 - 9.16,	4	2,936	1 44					2,963
Date signed:	ssity and validity of the technical cooperation were investigated.			1976		00	_		10 024		90,214	103,110
9.14, 1976 Cooperation	The preliminary surveys revealed that the project was indispensable for the economical growth of Malay-	1977 1978				22	3	1	12,874		29,404	60,851
term:	sia, especially the training of skilled laborers and that it is suitable as one of the technical	1979	Itiner-	11.8, 1979 -	2	3,422	4	4	37,869		47,541	88,832
9.14, 1976 - 9.13, 1980 (Extension)	cooperation programmes through use of our center. Thus, in August, 1976, the implementation team discussed with the Malaysian		techni- cal advisory survey	11.30, 1979								
9.14, 1980 ~ 9.13, 1981	authorities the details of our co- operation and of concrete coopera-	1980					4	3	25,303		(G)1,586	26,889
	tion plans. What was discussed was all written down in the discussion proceeding (R/D) and signed.	1981			V	36	1	<u>-</u>	4,963	Motor	(G) 375 4,708	10,082
	The details included implementation lasting four years from September 14, 1976, regarding three courses: (1) vessel and engine; (2) welding (shipbuilding); (3) electroplating. The evalution team was sent a year before completion in July 1980, of	1983	(1)	6.13, 1983 - 6.25, 1983	3	2,929		2	2,806	Arc welder for hydraulic rudder; portable PH meter and others		25,562
	the cooperation programme. It was found that the initial goals were reached as far as the vessel and engine courses and the welding	Cumu- lative total				12,231			115,218		193,655	321,104

								T	Sur	vey teams			Expert	ន	Equipment	supply	Grand
							1.0			Number		Number		Expendi-	Names of	Expendi-	total of
	1,11		Summ				Fiscal	Type of	Survey	of.	tures	exper		tures	major	tures	expendi-
Project name			Sum	ar y	: 1			survey		staff	(1,000	On-	ì	(1,000	equipment		tures
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				Sur	vey teams			Expert		Equipment		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Metal Industry Technology Centre	Under the Pioneer Industry Act established in 1968, Malaysia gave various incentives to foreign firms doing business in Malaysia. They	1977	Preli- minary survey	2.20, 1978 - 3.6, 1978	5	2,900						2,900
Type of Agreement: R/D Date Signed: 8.11, 1978 Cooperation	succeded in attracting many companies, but it was impossible for them to procure necessary products to enable them to conduct their business; they had to depend upon imported products in most cases. Thus, the Japanese government was asked in May, 1975, to provide	1978	Deliber- ation for Imple- menta- tion (survey)	1978 - 8.17, 1978	6	3,640		11	26,946	Class bar (exhaust treatment)	(G) 5,799 63,337	99,722
Terms: (Initial) 8.11, 1978 - 8.10, 1982	Malaysia with technical cooperation relating to such fields as press mold, press work, welding, and electroplating, all indispensable for the parts industry. This request was included in the third	1979				(D) 290	4	3	47,145	X-ray permeabil- ity test equipment, planer and hydraulic press	(G) 3,963 137,718	191,60
(Extension) 8.11, 1982 - 8.10, 1984	economical development programme which aimed to foster and modernize their parts industry. In answer to the request, in February, 1978, a preliminary survey team was sent to	ú	Mutual consul- tation (survey)	3.29, 1980 - 4.12, 1980	4	2,487				press		
	investigate the possibility of co- operation. Based on the results of its surveys, an implementation con- sultation team was sent in July, 1978, and the discussion proceedings were signed in November 1978. The detailed project gave our Tech- nical Cooperation Center five func-	1980				(B) 72	6	9	63,120	Plating equipment, slicing lathe and radial drilling machine	139,347	213,446
	tions: (1) technical advice tour; (2) test and inspection; (3) informatin service; (4) training of trainers; (5) test and machining, contributing to the cultivation and modernization of Malaysia's parts industry. The cooperation term was to continue for	1981	Itiner- ant techni- cal advisory survey	1981 - 8.26, 1981	5	(B) 477 3,300	11	7	62,861	Transfer press and X-ray micro analyzer	(G) 10,867 182,027	261,806

				Sur	vey teams			Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
	four years from August 1978, but the evaluation team was sent before August 1982, when the cooperation term ended and it was agreed to extend it until 1984. During 1983, six experts were sent, who were to	1981	Equip- ment repair (Survey)	4.10, 1982 - 4.24, 1982	3	2,274						4
	stay there for two years. Experts were sent for a short period of time to provide instruction about particular themes, trainees were accepted and spare parts were supplied to them. In July 1984, an evaluation team was again sent and the project was found		Evalu- ation	7.6, 1982 - 7.20, 1982	5	3,839	4	9	77,125	Vehicles, wet blast device, electric belder and other	26,812	107,776
	to be going smoothly and our cooperation ended on August 10, 1984. After that, the Center was run smoothly by them, contributing to promotion of their own industries. But after two years passed since the end of our cooperation, it was expected that the equipment items	1983	Itiner- ant Techni- cal Advisory survey	3.5, 1984 - 3.13, 1984	4	(D) 200 2,328	6	4	87,275	Spare Parts	(G) 3,231 5,179	98,21
	offered would be damaged, that parts would be needed; that the maintenance of the equipment items would require advanced technics and technical advice about repair. As a result, the after-care survey team was sent to discover how the	1984	(Prepa- ration of reports on the above)		0	409	6	6	38,147	Micro computer, pulse MAG welder and other	(G) 823 9,505	48,88
	project stood. To increase the effect of existing programmes, affter-care instruction was carried out. It included (1) supply of parts for the equipment items supplied and quidance in the maintenance of the equipment items and (2) further instruction in existing fields in which the cooperation was given.	1986 1987	(1)		3	248 2,658	-	17	7,113	Hydraulic brake spare parts, copiers and other	31,702	41,47

				Suz	vey teams	j		Expert	S	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
	[Number of counterparts accepted] Fiscal '78 '79 '80 '81 '82 year	Cumu- lative total				25,122			409,732		631,217	1,066,0
	No. 6 6 6 6 7 Fiscal '83 '84 year No. 3 3											
Project on the National Metrology Laboratory	The Malaysian government established the National Metrology Laboratory in order to strengthen the basis of industrization, thereby contri-	1981	Preli- minary survey	7.13, 1981 - 8.1, 1981	5	3,727						7,454
Type, of agreement: R/D Date Signed: 12.17, 1981 Cooperation	buting to the growth of its industries by guaranteeing the accuracy of metrologies through the realization of meterage programmes. In answer to their request, the Japanese government signed the R/D in December, 1981, to assist in their programme implementation.		Deli- bera- tion for imple- menta- tion	12.6, 1981 - 12.20, 1981	5	3,727						
term: (Initial) 12.17, 1981 - 12.16, 1985	Implementation of the project was made as follows: For items such as mass, length, volume, temperature and electricity, (1) a standard supply system was established, (2) levels and measuring instruments were completed and (3) engineers who can measure and calibrate were trained. In fiscal 1982, two experts were sent for a long stay, major standard measuring	1982	Mutual consul- tation (survey)	3.6, 1983- 3.20, 1983	4	6,000 (D) 268		5	33,386	Gauge blocks, portable flow meter testing equipment and other	94,155	133,809

				Sur	vey teams			Expert		Equipment		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total description of the total description of
Cooperating Organization in Malaysia: Ministry of Science and Technology and Environ- ment	instruments were supplied and three trainees were accepeted. Thus full-scale cooperation was started. In fiscal 1983, the same persons sent a year earlier were again sent and an expert in electricity standard was sent for a long stay, to-	1983				(D) 193 (B) 11,734	4	5	39,666	Tape measure benches piston pull pars, and LPG dispenser testing machines	(G) 2,339 67,320	121,25
	gether with four experts on short stay. Piston pull pars and LPG dispenser testing machines were supplied. In fiscal 1984, 12 experts were sent and the leader were replaced, while	1984	Itiner- ant techni- cal advisory survey	6.20, 1984 - 6.30, 1984	3.		3	8	63,351	Levels and measuring instru- ments	(G) 3,587 93,256	165,72
	an expert in electrical mass stand- ards was sent for a long stay, to- gether with six short-stay experts. Three-dimensional measuring instru- ments and He-Ne interferometers were supplied.			2.27, 1985 - 3.6, 1985	1	5.533						
	In September 1985, an evaluation team was sent to make an investigation and evaluation of the projects. It was confirmed that the projects were going smoothly. A 2.5-month follow-up was performed	1985	Evalu- ation	9.28, 1985 - 10.6, 1985	5	3,135	5	7	54,377	Universal counters, He-Ne interfero- meters and others	•	116,05
	in order to teach how to install the equipment items, some of which were not supplied in time for the end of the cooperation term. In February 1986, the cooperation ended.	Cumu-				34,317			190,780		319,202	544,29

شند باسرو هرمو بر بالربويسيات بي بي	والمرابعة المرابعة الم			Sur	vey teams		The second second	Expert	S	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
	[Number of counterparts accepted] Fiscal '82 '83 '84 '85 year No. 3 3 3 3											
Centre for Instructor and Advanced Skill	The Malaysian government established the CIAST as an organization to train vocational training staff needed to complete vocational train-		Contact mission I	8.9, 1981 - 8.18, 1981	6	3,023						
Praining (CIAST) Type of Agreement:	ing facilities and train corporate workers and supervisors to attain advanced skills. The CIAST was found to produce capable personnel in ASEAN as proposed by then Prime	li .	Contact mission II	12.6, 1981 - 12.20, 1981	10	6,838						15,83
R/D Date Signed: 8.20, 1982	Minister Suzuki on his visit in ASEAN in January, 1981. They asked the Japanese government to help them in its implementation. In answer to the request, a preliminary survey		Prelimi- nary survey	4.8, 1982 - 4.22, 1982	9	5,977						
Cooperation Ferm: (Initial) 8.20, 1982 - 8.19, 1987	teams was sent twice in August and November, 1981. They clarified vague concepts and made a detailed investigation. Purthermore, in April, 1982, a preliminary survey team was sent to	1982	Prepara- tion of reports on the above			(D) 330		2	2,414		(G) 4,832	12,36
Extension) 8.20, 1987 - 3.31, 1990	discuss the contents of the project and detailed and concrete cooperation programmes. Also, in connection with the investigation of technical cooperation programmes, a fundamental design survey team was sent in June 1982	F4	Delibe- ration for imple- menta- tion (survey)	1982- 8.22, 1982	6	4,793						
						1.						

				Sur	vey teams			Expert		Equipment		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi tures (1,000
			- بسباب بالمانية							· ·		yen
Cooperating Organization In Malaysia: Manpower Resource	to discuss grant aid assistance for the building and facilities for the CIAST to be built in Sha Alam. In August of the same year, the draft explanation mission was sent	1983	Mutual consul- tation (survey)	4.9, 1984 - 4.19, 1984	3	2,299	• • • • • • • • • • • • • • • • • • •	8	49,803	Copiers, Printing machines, and office supplies	(G) 2,787 9,974	64,86
Department, Ministry of	and agreement was reached on grant aid assistance.									suppries		
Labor and Manpower Resource	In view of the April preliminary surveys, a technical cooperation consultation team was sent and both						•				:	
Resource	governments signed the R/D on August 20, 1982. In November 30, 1982, exchange documents regarding the grant aid assistance were signed. Thus, the grant and assis-	1984	Itiner- ant techni- cal advisory	2.11, 1985 - 2.17, 1985	4	2,222	5	10	194,312	Sets of OHP, floppy disks, trans-	(G) 12,905 7,077	216,51
	tance and the technical coopera- tion were jointly and comprehen-		survey							mission and other		
Cooperating organization in	sively carried out. According to the projects, our grant aid assistance was used to build training rooms, classrooms, dormitories, etc., under the project-type technical cooperation programmes. The building site was at Sha Alam, 20 kilometers from Kuala Lumpur.		Itiner- ant techni- cal advisory survey	2.12, 1986 - 2.22, 1986	4	3,792	14	7	254,096		(G) 6,102 21,054	285,04
Japan:Vocational raining Bureau, iinistry of abor	In the above facilities, the follo-	1986	Matual consul- tation (survey)	11.18, 1986 - 11.26, 1986	5	3,584	15	10	241,519	High per- formance transistor ignition devices	58,378	303,48
	1) Instruction skill and training of vocational training instructors	1987	Evalu- ation	7. 7, 1987 - 7.16, 1987	5	5,241	15	12	209,779	Second- hand cars and other	85,537	300,55

	the state of the s	به ومدانسين د سبت		enir	vey teams			Expert	s I	Equipment	supply	Grand
Project name	Summary	Fiscal	Type of	Survey	Number of	Expendi- tures	Number exper	of	Expendi- tures	Names of major	Expendi- tures	total of expendi-
		year	survey	terms	staff members	(1,000 yen)	On- going	New	(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
	2) Supervisory skill training for	Cumu-	,	186 211		38,099			951,923		208,646	1,198,60
	vocational training instructors,	lative	5. 14 2 2 3 25. 14 2 2 3	N 48 5 12								
	supervisors and skilled	total										
	laborers	COCCAL										
	3) Advanced skill training of voca-				1		1. 1. 1. 1.					
	tional training instructors,	7.4 340			4 A 4							
***				2.5						1		·
	supervisors and skilled laborers											
	for the following items:	***						200				
	(1) cars; (2) machine tools and											
	molds; (3) heavy engineering;			100								}
	(4) electrical and electronics;		l to this Language (Marry)	5.70			[1
	(5) instrumental and automatic							1.11				
- 11	control; and sender the control.											
	(6) metal machining.	4.89	P440.247 4.5	12 A								
in a fine	In 1984, the first three courses,		Table 1		1 2.5							l
) .	covering instruction methods,	1		7.5.5.5								
	supervisory methods and cars were			13/04/			. 13					[
	started and by February of 1986 all											
	courses were started, including	1 → 11 / 1	21.50									ĺ
	metal mold and rubber making method	1.5	12°10'								[
	courses.		and the		1.5 %	t in the state of the					ļ	
	In addition, the evalution survey			4.9 % 4.1						The Arthurst Control		İ
	team sent in July, 1987 discovered		1.54									
	that the technology transfer envi-											
	sioned at the initial stage of the	ere to give a	And the second	1000	100 100 101							
	project had been almost completed.	€ dazeng e										
	Yet it came to a conclusion that										1.7	
	about a 2.5-year extension would be						12.0			· · ·		
	required to redevelop new modules											
	suited to industrial needs.						· · ·			·		j
		1:	19.7 E			1.5						ŀ
· · ·	[Number of counterparts accepted]						· ·			·	i .	
	I willings or competibates decoposed	, A	117				14.A					
	Fiscal '82 '83 '84 '85 '86 '87					1	:		,			
										,		
	year	:			A							
	No. 9 11 9 8 8 8		1.0					3				
	No. 9 11 9 8 8 8		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
. :			** .		110		i	1	1	I ·		1

	متم متعلق المتعارض والمتعارض والمتعا			Sur	vey teams			Expert		Equipment		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	ts	tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expending tures (1,000
		-	ب دوران میشود به ایم									yen
National	The number of computers installed in	1984	Preli-	10.8,	5	3,221	_	-	-			3,22
Computer	Malaysia during 1963 was 13 but 89		minary	1984 ~		:						
Institute	in 1977 and 479 in 1982 were regis- tered, respectively.		survey	10.17, 1984								
Type of	The growth rate will be about 25 per cent to 30 per cent from now on.	1985	Delibe-	11.6,	5	2,967		2	2,420			5,38
Agreement:	Most of the computers currently in	1303	ration	1985 -		~,~~						,
R/D	use are minicomputers but there are		for	11.14,								
Date Signed:	many large-sized computers in public		imple-	1985								
11.13, 1985	places (federal government offices,		menta-									
	prefectural government offices,		tion			and the second		:				i .
Cooperation	educational institutes, etc.).		(Survey)									
Term:	Personnel in the public sectors,	 										101.5
	especially government staff, have	1986	Mutual	4.3,	5	4,276	-	23	107,773	CPUs, con-		484,5
(Initial)	been trained, though at an elemen-		consul-	1987 -						soles, dis-		
11.13, 1985 -	tary level, by INTAN (Institute of		tation	4.10,						plays and other		
11.12, 1990	Public Administration)		(survey)	1988				'		Orner		
	since 1974. With the spread of	1987	Itiner-	3.18,	4	2,962	10	5	126,665	Personal	66,752	176,37
Cooperating	computers, the computer training center was set up in 1982 to	1907	ant	1988 -		2,302	•••		120,000	computer	00,.02	
Organization in	improve training quality:		techni-	4.5,						software,		
Malaysia: National	However, the center is intended to		cal	1988						OHP and		
Personnel	provide training in minicomputers.		advisory	1						other		,
rersonaer	p207240 014211411411411111111111111111111111		survey									
Authority and	The computer training center (NCI)											
Institute of	which can provide application	Cumu-										
Public	technology for full-scale general-	lative				13,426	5		236,858		439,214	689,49
Administration		total						·				
	and built.											
Cooperating	In November, 1985, an implementation	;	<u> </u>									ŀ
Organization in	consultation team was sent and the				1							
Japan:	R/D was signed; and five-year technical cooperation was started.									}		
Ministry of Commerce and	The NCI was set up in the INTAN,											
Industry, Minis-	PSD (Personnel Department) as the					7						
try of Posts and												
Telecommunica-	motion in public sectors to assist											
tions (NTT)	in the growth of information-related					1.77						ĺ
			1				1.0					

The state of the s	The state of the s			Sur	vey teams			Expert		Equipment		Grand
Project name	Summary	Fiscal	Type of	Survey	Number of	tures	Number exper		Expendi- tures	Names of major	Expendi- tures	total c
		year	survey	terms	staff members	(1,000 yen)	On- going	New	(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
	m											İ
	fields in Malaysia. The personnel related to computers will be									***		1
	trained in the following fields:	1 to 1 to 1										
	1) computer languages and ope-			1 - 1								1
	rating systems											ĺ
e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	2) data base/data communication		12.00									
	systems				k para 46							71 .
	3) system analysis and system			ra es	i se ge	er lättie.						
	design 4) management	1 1 2 2 2	luitus Humanania						10 10 1			
	47 management		1.9 1. 8					100		,		
	In fiscal 1985, five trainees were			Long .								
	accepted and CPUs, etc. were sup-						indiana na anaka	1 11 1	Aller St. Co.			
and the second	plied.											
· · · · · · · · · · · · · · · · · · ·		The second second										
	In fiscal 1986, a plan consultation					A . A						
	team was sent to discuss with Malaysian government officials the										i	
	the progress of the project.					tivi u ili e				1.5		
	Moreover equipment items were		1 1 1 1 1 1 1 1		1.00	1047						
	actively supplied, including items			132 At 1							•	i
	required for CPUs, as a bare		heather (v.								l ' i	ł
	minimum at the initial stage.	100	1.543					1				ŀ
			Contract of the]	
	In fiscal 1987, technical advisory		14 15 17 (F)		77.7						:	1
	teams were sent to discuss the progress of the computer center							100				
	activities a year after the opening				4	Jan Bara						
	of the center; personal computers		Contraction of									1
e per la	for the eight courses were sent;	. : """	4.35%									
	five trainees were accepted; and		1. 电电路	9.70								
	five experts scheduled to stay for					1		1				
	a short period of time were sent.											l
			A 37 . 45		1.							
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									1 - 1			
				:								
						1						

				Sur	vey teams			Expert	.s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey		Number of staff members		Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
	[Number of counterparts accepted] Fiscal '84 '85 '86 '87 year No. 0 5 3 4											
Japan-ASEAN Science and Technology Cooperation	Preliminary surveys were made about the concrete contents of the co- operation in material science in Malaysia,	1985	Pre- liminary survey	8.18, 1986 - 8.22, 1986	. . 4	2,130			-		-	2,130
		1986			ter et av.				600		247	847
		Cumu- lative total				2,130			600		247	2,977
Itinerant Technical Advisory Survey Survey Terms:	(Indonesia, Malaysia)	1974	Itiner- ant techni- cal advisory survey	9.17, 1974 - 10.6, 1974	(3)	(600)						(600)
9.17, 1974 - 10.6, 1974												
Itinerant Technical Advisory Survey Survey Ferms: 5.11, 1975 - 5.24, 1975	(Malaysia, Thailand)	1975	Itiner- ant techni- cal advisory survey	1975	(3)	(687)						(687)
						1			·			

ينين بيده جيد جيد جيد ميد ميد ديد ديد ديد وهد مدد يدد	yan ina ina ina mpimpima mpina na mmumumina perman mpina di mana naginal di mpina na mpimmumantenta dal mpimata		1	Suz	vey teams			Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members		Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Southeast Asian Technical Advisory Surveys Survey Terms: 11.7, 1979 12.1, 1979	(Philippine, Malaysia, Singapore, Thailand)	1979	Itiner- ant techni- cal advisory survey	11.7, 1979 ~ 12.1, 1979	(6)	(859)						(859
Computer Technology Training Center	(Malaysia, Singapore, Sri Lanka)	1983	Basic survey	3.26, 1984 - 4.8, 1984	(2)	(595)	-					(595
	(Total of Technical Cooperation Center Programmes)					(146,190)			(2,244,609	} (2	,112,060)	4,502,859

	and the state of t			Suz	vey teams			Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Medical Teams Type of agreement:	It was decided that medical teams would be sent to help flood victims in Malaysia during the period from the end of 1966 to early 1967. In	1966	Field survey	2.12, 1967 - 2.26, 1967		1,842				Medical supplies	988	2,830
R/D Date signed:	February, 1967, an implementation survey team was sent and the R/D to send seven members from Japan	1967					~	-	• • •	Medical supplies	4,470	4,470
2.24, 1967 Cooperation term:	As a result, for three months from June 1967, a medical team consisting of doctors, nurses, and X-ray	Cumu- lative total				1,842					5,458	7,300
4, 1966 3, 1968 Cooperating organization in Japan: The Japan Red Cross Society, Toyama University	engineers was sent for medical assistance, and medical supplies and equipment were provided.											
General Hospital Type of agreement:	One expert in charge of stomach camera diagnosis and another in charge of brain surgery were sent to seven general hospitals in Malaysian prefectures for medical advice on tour. Such supplies as	1967					-	2	•••	Gastro- cameras and ultra- sonic diagnostic equipment	3,518	3,518
	gastrocameras and ultrasonic diagnostic equipment were provided. In March, 1970, a preliminary survey team for medical cooperation	1969	Contact mission		4	1,730						1,730
	was sent to see the effect of the project and had talks about further cooperation possibilities.	Cumu- lative total				1,730					3,518	5,248

وجب بنيه ليخاجب بنات والمناك بالسراية بالمواجب بميه وسيوي	agan nangan ya man da maka wasa mana kanan da maka maka maka maka maka maka maka m					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		73		Mars Comment	011111	Grand
Project name	Summary	Fiscal	Type of	Survey	vey teams Number of		Number exper		Expendi- tures	Equipment Names of major	Expendi- tures	total of expendi
		year	survey	terms	staff members	(1,000 yen)	On- going	New	(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
ispatch of		1986							1,393			1,39
xperts in a ingle manner		1987							913			91
		Cumu- lative total							2,306			2,30
ooperating rganization n Japan: Juntendo												
University								6)	(1,837)		5)	(1,8
edical ooperation xpert Team	(Indonesia, Malaysia, Thailand) See the section on Asia in general for details.	1977						6/	(1,637)		3,	(1,0
												-

بسيار ميسادين في والمناسب عن مشار بالمام من بين سياسا و دي	and the control of th	T	T	Sur	vey teams			Expert	.ś	Eguipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Population problem		1976					_	1	474			474
Survey of medical-care		1976				i-re	,	2	1,156			1,156
situation		1977					2		2		<u> </u>	2
		Cumu- lative total						:	1,158			1,158
Public Hygiene and Medical Information		1978					_	2	966			966
Plastic Surgery		1979					-	1	542			541
		1980							6			
		Cumu- lative total							548			548
Dietetics		1981					-	2	1,001			1,00
		1982							9			
		Cumu- lative total							1,010			1,010

	the second secon		and the second	Şur	vey teams	1		Expert	S	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members		Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
The Japan Red Cross Society		1978								Ambulance	9,780	9,780
Health Ministry		1979								Blood pumps and dialytic liquid supply devices	11,328	11,328
Phsein National Eye Doctor's		1985								Eye microscope	20,399	20,399
	(Total of Health and Medicine Cooperation Programmes)					(3,572)			(8,299)		(50,488)	(62,359
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										

				Sur	vey teams			Expert		Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number		Number exper On- going	ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
The Ply River Drain and Reclamation Programme	The Ply River district is situated in the center of the Province of Wellsray in the north of Malaysia, looking down at the Penang Islands	1967	Field survey	9.4, 1967 - 11.24, 1967	11	22,078	~	~				22,07
	on the other side. The upper and middle parts of the Ply River are advanced land where semiannual crops from paddy fields are possible. The downstream consists of rubber and coconut farms.	1968	Itiner- ant design Survey	4.8, 1968 - 5.21, 1968	9	20,266		_				20,93
	Butterwort is currently progressing at a rapid speed in the industrial zone of the Ply River. The development of the River has been long but a swamp of about 1,000 ha along	D	Mutual consul- tation (survey)	10.24, 1968 - 11.6, 1968	2	665	-	•				20,30
	the Ply River is the only unused land resource, and it makes the paddy fields nearby difficult to drain.	Cumu- lative total				43,009						43,00
	As seen in the Malaysian first 5- year plan announced in 1965, one of the major policies is to increase the yield of rice. The rate of self-sufficiency in Malaysian rice, the staple food, is 60 percent or so. Increase in yield is under way in a large-scale manner. To make it possible, reclamation and improve- ment of drainage are being planned. Under such conditions, the govern- ment planned to develop the swamp along the Ply River to produce more rice paddies and asked the Japanese government to provide technical cooperation. The purpose of the plan was to build a tide gate and a closed dam at a floating point eight											

					and agreement was proportional and agreement of the state of				P.25			
				Sur	vey teams Number		Number	Expert	s Expendi-	Equipment Names of	supply Expendi-	Grand total o
Project name	Summary	Fiscal year	Type of survey	Survey terms	of staff members	Expendi- tures (1,000 yen)	exper On- going	ts	tures (1,000 yen)	major equipment items	tures (1,000 yen)	expend ture (1,000 yen
	kilometers up from the mouth of the Ply River to achieve four aims:											
	(1) Development of a 700-ha paddy field from reclamation of the swamp											
	(2) Improvement in drainage and protection against salt damage across 2,400-ha of arable											
	(3) Securing industrial water for the Macmandine and Ply											
	industrial zone (4) Traffic improvement by replac-											
	ing the existing bridge with an everlasting bridge with two car lanes by using the tops of the tide gate and the closed											
	dam.	4-15										
										· .		

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Project name	Project name Summary	Fiscal year	Type of survey		Number of staff members		Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Agriculture Mechanization Cooperation	The Malaysian government established the first 5-year economical plan and the second 5-year plan in which it aimed to increase the rice	1967	Pre- liminary survey	9.4, 1967 - 11.24, 1967	(11)	(22,078)						(22,078)
Type of Agreement: Agreement Date signed:	self-sufficiency rate and modernize agricultural production. It asked the Japanese government to provide cooperation for completion of irrigation facilities and mechani-	1968	Field survey	6.24, 1968 - 7.23, 1968	5	(B) 77 3,276						3,353
12.29, 1970	zation of agriculture. Agree- ments with the Malaysian government	1969										0
Cooperation term:	for close cooperation in rice crop on-the-spot application tests of	1970				(B) 237		2	1,309		79,703	81,249
(Initial)	farm machinery were concluded in 1970 and extended until 1975, with	1971				(B) 95	2		11,051		4,694	15,840
12, 1970 - 12, 1973 (Extension) 12, 1973 - 12, 1975	the exact term of the agreements totaling five years and nine months. The rice crop mechanizing training and on-the-spot application tests of farm machinery were extended to farm advisors, agricultural college graduates and farmers selected from	1972	Itiner- ant techni- cal advisory survey	8.22, 1972 - 9.5, 1972	3	(B) 231 1,392	2		10,679		11,406	23,708
	nearby farm-houses in the agri- cultural mechanization training center at Bullbonlima adjoing the areas where the semiannual crop of rice paddies, most needed, would be	1973	Evalua- tion (Survey)	8.12, 1973 - 9.1, 1973	4	(B) 279 1,686	1		12,416		8,375	22,756
	expected to appear.	1974				(B) 56	1	1	8,172		10,223	18,451
	In fiscal 1975, the evaluation surveys were made to find whether the projects had been carried out in accordance with the agreements by looking back upon the past after	1975	Evalua- tion (Survey)	1975 -	4	(B) 170 4,870	1		7,173	:	12,639	24,852
	implementation of the agreements or to evaluate how the agreements	1976		•							5,173	5,173

			Market Carrier	Sur	vey teams	· · · · · · · · · · · · · · · · · · ·		Experi	s	Equipment	supply	Grand
Project name Summ	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
	affected the goals envisioned by the project. The expert who had provided co-	1983	(r)	11.7, 1983 - 11.19, 1983	(1)	(2,896)						(2,896
	operation since a year earlier was in charge of the instruction in anticipation of an overall shift of management to the Malaysian side. Also, a trainee was accepted.	" ,		11.28, 1983 - 12,18, 1983	(5)							
	The parts for the items already supplied were purchased and sent. The cooperation in question contributed to the modernization of Malaysian agriculture through the major roles played by the center.	1984								Parts for agricultural machines and cut models	13,845	13,845
	In fiscal 1983, an after-care survey team was sent and in fiscal 1984, requisite equipment was sent.	Cumu- lative total				37,343			50,800		146,058	234,20

									<u> </u>			P.28
بيا سنة وشويد هو وبودهات نف نبت سن ودو هم سن وسوب بهم				Sur	vey teams		Expert			Equipment		Grand
Project name	Summary	Fiscal	Type of	Survey	Number of	Expendi- tures	Number exper		Expendi- tures	Names of major	Expendi- tures	total o expendi
		year	survey	rvey terms	terms staff members	(1,000 yen)	On- going	New	(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
The Malaysian government had worked hard to provide food for themselves and stabilize it since the first	1975	Pre- liminary survey	4.12,	5.	3,370						3,37	
Training Programme	five-year plan. Extra efforts had been made to develop semiannual			1976								
Type of agreement:	rice crop paddies. As of 1975, 70 per cent of the rice paddies in Malaysia were of semiannual crop.	1976	(Prepa- ration of	randa Maria Maria		(D) 505						
R/D Date signed:	But the trouble was that though stable irrigation facilities were		reports on the above)									
9.3, 1977	now available, those in other parts were so poor that waterways inside	н	Field	1.25,	7	8,329			3,686		(G)1,350	13,8
Cooperation term:	paddies and agricultural roads had to be made as soon as possible. Civil engineers were very poor		survey	1977 - 2.21, 1977								,
(Initial) 9.3, 1977 - 9.2, 1982	in that field. Thus, water manage- ment training was required. The lack of such engineers and the need to improve their knowledge and	1977	Detailed design (survey)	1977 -	9	(B) 17 16,929		5	11,203		(G) 293	28,4
(Extension) 9.3, 1982 -	skills began to come to attention.			1977								
9.2, 1984	On the other hand, there were other problems presented in the water	1978	(Prepa- ration			(D) 389						
(Follow-up) 9.3, 1984 -	management seminar in Allowstar, 1973, cosponsored by PAO. And the		of reports									
3.31, 1986	Japanese evaluation of their situation in agriculture over many		above)						j adv			
the yea Imp	years was considered. This caused them to set forth the third five- year economic plan. Improvement in water management	H	Mutual consul- tation (Survey)	6.18, 1978 - 6.29, 1978	3	1,722	4	3	80,114	Vehicles, ferti- lizer, agri-	(G) 2, 688 131, 239	
	technics was included in it; and they requested technical cooperation from Japan. The Japanese government made a		(our vey)	1976						cultural chemicals, and agri- cultural		(1,4 216,J

ولوا والمحافظة فالمار والمسيح المال والمستح والمحافظة المال وا	And the second s		7	Sur	vey teams			Expert		Equipment supply		Grand
Project name	Summary	Riscal year	Type of survey		Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
	and performed preliminary surveys in fiscal 1975 about the possibility of Japanese agricultural technology cooperation. Moreover, in fiscal 1976, a survey team was sent to implement the project and R/D was signed. Finally, the cooperation started. The purpose of the project was to complete irrigation facili-		Itiner- ant techni- cal advisory survey	10.24, 1978 - 11.3, 1978 2.1, 1979 - 2.16, 1979	(5)	1/(1,469)						
	ties in each farm-house as needed	1979				(D) (361)						
	to spread the semiannual crop cultivation in order to increase rice production and train water management staff. The following steps were taken to make it possible: (1) The training center and the demonstration farm (4 ha) related to the center were made to form water management basic technology and train water management staff. (2) The pilot farm (20 ha x 4 places) was made to give guidance and advice on the	•	Itiner- ant techni- cal advisory survey	10.18, 1979 - 11.4, 1979	(5)	2/ (1,803)						(2,16 73,35
						(B) 172	7	1	38,859	Agricul- tural machines, Equipment and sup- plies for rice paddies	(G)1,290 33,038	
	spread of the water management technology among farmers. In fiscal 1983, the entire facilities of the training center were completed to put training into full-scale practice. The follow-up	1980	Itiner- ant techni- cal advisory survey	10.13, 1980 - 11.1, 1980	(6)	<u>3</u> / (2,331)	4	6	40,668	Agricul- tural machines, Audio- visual supplies	(G)1,783 10,087	(2,33 52,53
	cooperation was started in September 1984; the goals were reached as scheduled; the project ended on March 31, 1986.	1981	Mutual consul- tation (Survey)	3.3, 1982 - 3.16, 1982	4	2,523	7	1		Agricul- tural nes, Educati nent and sup		79,66

i						Sur	vey teams			Expert		Equipment	supply	Grand
project name		Summary		Fiscal	Type of survey	Survey terms	Number of staff	Expendi- tures (1,000	Number exper		Expendi- tures (1,000	Names of major equipment	Expendi- tures (1,000	total c expendi tures
				year	survey	cerms	members	yen)	going	New	yen)	items	yen)	(1,000 yen)
	(Number of cou			1982	Evalua- tion (Survey)		5	7,466	6	5	59,631 Agricultu Physical	Agricultual machines, ral chemica and chemica	(G)3,810 1s,24,654	9,6
v - 0,	Fiscal '77 year	'78 '79	80 81			1982					appliance	s and vehic	les	
	No. 4	3	2 1	1983	Itiner- ant	7.11, 1983 -	3	2,521	5	1	66,759	Research- ing,	(G) 3,311 34,880	107,4
	frankling I.		85		techni- cal	7.25, 1983						measuring and analyzing		
	year		3		advisory survey							truments, a icultural m		
				1984	Evalua-	6.14,	4	8,823	5	4	57,185	Rice	(3) 1,850	103,2
					tion (Survey)	1985						seedling planters, thrashers,	35,394	
					は れ、Mastacol Habin of Habin of Table 1987						<u>.</u>	meteoro- logical observa-		,
	ina di Kabupatan Peranggan 1914 : Panggan Peranggan 1914 : Panggan Peranggan	ger fra 1950 in Geregoria Succession										tion equipment and other		
	ander Millager (1965) Self Self (1965) Self (1965)			1985	(Prepa-			2,121	2	4	38,630	cultural	(G)1,898 16,540	59,1
	Andrews (1967) The State of St		ti terapi Aren Atean Aren Atean		of reports on the							chemicals, Spare parts and		Į.
				- 4.	above)			, tt. 12				vehicles		
				1986	√ ≟		-	303	-		2,778	Transpor- tation	2,038	5,.
												cost carried over		

	and the second s			Sur	vey teams			Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	ts	Expendi- tures (1,000 yen)	Names of major equipment items	major tures uipment (1,000	total of expendi- tures (1,000 yen)
		Cumu- lative total				61,154			447,452		335,347	843,953
Porest Products Research Project	The Malaysian government included in its fourth economical society development plan, which lasted five years, the promotion of effective	1980	Pre- liminary survey	12.7, 1980 - 12.25, 1980	5	(B) 21 3,804						3,825
Type of Agreement: R/D Date signed: 3.25, 1985	use of timber to secure forest products. The reason was that their forest products research was yet to be made. Thus, they asked the Japanese government to provide cooperation in terms of forest products research in the Malaysian		(Pre- paration of reports on the above)			(D) 204						3,645
Cooperation term: (Initial) 4.1, 1985 ~ 3.31,1990 Acceptance	Forestry Laboratory. Japan consulted with them about the method of cooperation on the Japanese side. Because of problems about the rights of research results, which had to be owned by them or by Japan, the R/D was not signed before April 1, 1985. During the years, talks had been	•	Delibe- ration for imple- menta- tion (Survey)	8.11, 1981, 8.25, 1981	5	3,441						3,043
organization in Malaysia: Forestry Experiment Station,	held to find an agreement. In January 1985, the contact team was sent; between February and March of the same year, a long-term survey team and an implementation	1984	Mutual consul- tation (Survey)	1.21, 1985 - 1.31, 1985	4	8,353	7	6	2,457		(G) 171	10,981
	discussion team were sent. The R/D was signed on April 1, 1985, the contents of which would last five years. Activities to strengthen the forest products research department of the above laboratory were stated.	1985	Mutual consul- tation (Survey)	4.11,	4	2,673	0	4	24,965	Equipment items for timber collection, analyzers and other	(G)2,380 15,200	45,218

The same of the sa				Sur	vey teams			Exper	ន	Equipment supply		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
	Cooperation in the following research will be made: (1) Timber collecting processing (2) Timber abstracting composition (3) Timber analysis (4) Timber system panel	1986	Itiner- ant techni- cal advisory survey			2,016	4	6	41,471	Experimen- tal equipment and other	169,796	213,283
	(5) Timber preservation (6) Timber drying. Long-term experts were sent from November 1985. Research plans were mapped out each year and the co-	1987	Itiner- ant techni- cal advisory survey	1987 - 10.31, 1987	4	1,640	4	8	46,190	Office machines (personal computers, etc.)	44,210	92,040
	operation has been going smoothly. [Number of counterparts accepted]	Cumu- lative total				22,152			115,083		231,757	368,992
	Piscal '85 '86 '87 year No. 1 4 3											

<u> مساحد بنات بدارسی</u>								Denon		Equipment		Grand
Project name	Summary	Fiscal Year	Type of survey	Survey terms	vey teams Number of staff members		Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Development Project of the Faculty of Fisheries &	One of the important national policies of the Malaysian government is the strengthening of fisheries and marine science as well as	1983	Pre- liminary survey	8.13, 1983 - 8.23, 1983	5	4,801						4,80
Marine Science, University of Pertanian Malaysia	promotion of the economic power of fishermen. The Faculty of Fisheries and Marine Science University of Portanian	1984	Delibe- ration for imple-	8.16, 1984 - 8.31, 1984	5	5,704	0	6	24,172	Practice ships, tanks for culturing	(G)2,185 23,874	55,93
Type of agreement:	Science, University of Pertanian Malaysia, was first found in 1979 as an advanced educational organization in forestry and fishery fields. To increase the technical levels of professors and researchers, the Malaysian government made a request for cooperation from Japan, which is ahead of other		menta- tion (Survey)							seeds and seedlings, and vehicles.		
Date signed: 8.29, 1984 Cooperation		1985	Mutual consul-	6.25, 1985 -	4	14,588	4	6	68,845	Small vessels,	(G)3,325 98,918	185,67
(Initial) 10.1, 1984 -	nations in terms of research in marine science. In August 1984, the R/D was signed and cooperation was started in October, 1984.		tation (Survey)	7.4, 1985						high speed chromato- graphs and other		
9.30, 1989	The Faculty of Fisheries and Marine Science, University of Pertanian Malaysia and Institute of Marine	1986	Itiner- ant techni-	7.10, 1986 - 7.24,	3	3,855	5	13	71,928	Personal computers, etc.	86,896	162,67
Organization In Malaysia The Faculty of Fisheries	Science give guidance and advice about the following subjects:		cal advisory survey	1986								
& Marine Science, University of Pertanian	(1) development of curriculum(2) fishing(3) thermatology(4) oceanography	1987	Itiner- ant techni-	11.10, 1987 - 11.21,	3	3,572	4	8	53,316	meters, mud	56,828	113,71
Malaysia	(5) navigation (6) marine resources (7) hatching technology (8) fish disease science		cal advisory survey	1987				•		collecting machines and germ- culture appliances		
	(9) dietetics (10) fish catching.									apprinces		•

				Sur	vey teams			Expert	S	Equipment		Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members		Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
Cooperating organization or Japan: Ministry of	In fiscal 1985, texts for fishing, oceanography, and navigation were made and technical guidance on them was given.	Cumu- lative total			FAS.	32,520			218,261		272,026	522,80
Education (Kagoshima University)	In fiscal 1986 and 1987, texts for fishing, oceanography and navigation were made and guidance on them was given.											
	[Number of counterparts accepted] Fiscal '84 '85 '86 '87											
	year No. 3 4 3 4											·
gricultural achines dvisory Tour uidance urvey terms:	(Malaysia, Laos)	1974	Itiner- ant techni- cal advisory survey	3.17, 1975 - 4.2, 1975	(5)	(1,372)						(1,4
3.17, 1975 - 4.2, 1975		į				(D) (37)						
		Cumu- lative total				(1,409)						(1,4)
										· .		

	دوره اورانون با المام مع شوید. بر المام با با با المام <mark>به به به بازی بازی بازی بازی به بازی به بازی بازی بازی</mark> مرابع اورانون بازی بازی بازی بازی بازی بازی بازی بازی			Sur	vey teams	• •• •• •• •• •• •• •• •• •• •• •• •• •		Expert		Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members		Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Surveys on Preparation of Agricultural Irrigation Programmes	(Pakistan, Malaysia, India, Sri Lanka)	1974	Basic survey	8.18, 1974 - 9.15, 1974	(8)	(2,312)						(2,312
Survey terms: 8.18, 1974 - 9.11, 1974 (Pakistan and		1975 Cumu- lative total				(D) (188)						(2,500
9.11, 1974 (Pakistan and Malaysia teams) 8.18, 1974 - 9.15, 1974 (India and Sri Lanka teams) urveys on pre- (aration of I	(Malaysia Philippina Indonesia											
Surveys on pre- paration of basic reports for developing	(Malaysia, Philippine, Indonesia, India, Thailand)	1975	Basic survey	10.27, 1975 - 11.17, 1975	(10)	(3,324)						(3,324
countries agri- cultural mechanization programmes												
Survey terms: 10.27, 1975 - 11.17, 1975												
		: .										

				Sur	vey teams			Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members		Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Survey on Preparation of Basic Plans for Agriculture Spread Coopera-	(India, Malaysia, Sri Lanka, Bangladesh, Nepal, Thailand)	1976	Basic survey	10.26, 1976 - 11.23, 1976	(8)	(2,847)						(2,847
Survey terms: 10.26, 1976 - 11.23, 1976												
Preliminary Survey on South- east Asian Forestry Co-	(Burma, Malaysia)	1976	Pre- liminary survey	12.7, 1976 12.22, 1976	(5)	(1,593)						(1,593
operation Survey terms: 12.7, 1976 12.22,1976												
Survey on Actual Cooperation for Agriculture in Advanced Nations		1976	Basic survey	4.8, 1976 - 5.1, 1976	(5)	(3,281)						(3,281
Survey terms: 4.8, 1977 ~ 5.1, 1977												
Survey on Technical Cooperation	(Thailand, Malaysia)	1977	Pre- liminary survey	6.22, 1977 - 6.29, 1977	(3+ f(2))	(759)						(759
Survey terms: 6.22, 1977 - 6.29, 1977												

]	Şur	vey teams			Expert		Eguipment		Grand
Project name	Summary	Fiscal	Type of	Survey	Number of	Expendi- tures	Number exper		Expendi- tures	Names of major	Expendi- tures	total of expendi-
		year	survey	terms	staff members	(1,000 yen)	On- going	New	(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
Surveys on Development of Measurement of Effect by	(Indonesia, Malaysia, Philippine)	1977	Basic survey	2.13, 1978 - 3.4, 1978	(5)	(2,272)						(2,272
Agricultural Cooperation Projects Survey Terms: 2.13, 1978 - 3.4, 1978		1978	(Prepara of techn expenses reports on the above)	ical		(2,993)						(2,993
		Cumu- lative total				(5,265)						(5,26
On-tour Guidance of Model Life Completion Programme Survey Terms:	(Bangladesh, Indonesia, Malaysia, Philippine, Thailand)	1978	Itiner- ant techni- cal advisory survey	4.25, 1978 - 5.24, 1978	(3)	(885)						(88
4.25, 1978 - 5.24, 1978												

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Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Traveling Guidance on Malaysian Water Management Training Programme and	(Malaysia, Thailand)	1978	Itiner- ant techni- cal advisory survey	10.24, 1978 - 11.3, 1978	(1)	(1, 470)					:	(1,470)
Thailand Irrigation Agriculture Development Programme Survey Terms:		"	Itiner- ant techni- cal advisory survey	2.1, 1979 - 2.26, 1979	(4)	(1,470)						
(First time) 10.24, 1978 - 11.3, 1978 (Second time) 2.1, 1979 -		1979	(Reports on the above)			(361)						(361
2.16, 1979		Cumu- lative total				(1,831)						(1,831
Traveling Guidance on Agriculture Development Programme	(Malaysia, Thailand)	1979	Itiner- ant techni- cal advisory survey	10,18, 1979 - 11,4, 1979	(5)	(1,803)						(1,803
Survey Terms: 10.18, 1979 - 11.14, 1979												

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Project name	Summary	Fiscal year	Type of survey	All and the second	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Survey on Forestry Facilities Programme	(Indonesia, Malaysia, Thailand)	1980	Basic survey	11.11, 1980 - 12.7, 1980	(4).	(6,206)						(1,20€
Cooperative Project Management Guidance	(Indonesia, Malaysia)	1981	Itiner- ant techni- cal advisory survey	9.27, 1981 - 10.14, 1981	(6)	(2,530)						(2,530
reparation of asic Plans for Fivestock	eparation of Philippine, Kenya, Mexico, Costa Rica, Colombia)	1981	Basic survey	3.30, 1982 - 4.23, 1982	(8)	(1,578)						(1,578
Health		1982	(Reports on the above)			(1,368)						(1,36
		Cumu- lative total				(2,946)						(2,946
Nation	The post-surveys were made on trends, after the projects' shift, regarding rice crop mechanization training in Malaysia.	1982	Basic survey for develop- ment	11.21, 1982 - 12.11, 1982	5	16,302			_		-	16,30

Project name Summary Piscal Type of survey terms Staff (1,000 yen) Southeast Along with the production increase in poultry in ASEAN, Newcastle culture and Porestry Cooperation (Livestock) ASEAN Forum of May 1983 decided to request from Japan a plan to build an ASEAN Poultry Disease Research Training Center used to study	res ,000	total experture (1,00
Southeast Along with the production increase Asian Agri- culture and Forestry Cooperation (Livestock) ASEAN Forum of May 1983 decided to request from Japan a plan to build an ASEAN Poultry Disease Research Training Center used to study		(1,00
Asian Agri- culture and disease, Mareck disase and the survey Spread of other infectious Gooperation (Livestock) ASEAN Forum of May 1983 decided to request from Japan a plan to build an ASEAN Poultry Disease Research Training Center used to study		
Livestock) ASEAN Forum of May 1983 decided to request from Japan a plan to build an ASEAN Poultry Disease Research Training Center used to study		
Training Center used to study		
poultry diseases and train field experts in the ASEAN world.		
The Japanese survey team made a thorough examination of the balance between the Veterinary Institute in		
Ipor, Malaysia, which would be the site of the center, and research and training by and for outsiders, the		
willingness on the part of Malaysia government to prepare for the plan, the condition of the site, and understanding of the details		
requested during the discussion with the Malaysian government.	:	
	:	
	:	

		7	Sur	vey teams	3		Expert	ts	Equipment	supply	Grand
Summary	Fiscal	Type of	Survey	Number of	Expendi- tures	exper	of	Expendi- tures	Names of major	Expendi- tures	total of expendi- tures
	year	survey	Cerms	members	yen)	going	New	yen)	items	yen)	(1,000 yen)
Sabah, Malaysia was covered with tropical forests but a decrease in	1985	Pre- liminary	2, 1986		2,988						2,98
rapid deforestation and excessively burned fields of late. The future	1986	Delibe- ration	3, 1987	7	6,720	: 	2	6,798	ļu.	40	13,55
income from forestry for almost 60		for imple-									
endangered.		tion								÷	
Thus, the Malaysian government set up the Re-affore-station Public Corporation in 1977; and continued		Detailed									
to plant fast growing trees widely through agroafforestation methods.			5.01(v) (1.00)								
But it also asked Japan to give aid to promote afforestation. In reply to this request, a prelim-	1987	Mutual consul- tation (Survey)	11.28, 1987 - 12.8, 1987	4	8,092		9	42,728	Tractors and vehicles	54,598	105,41
rebruary 1986 to examine the details about cooperation by Japan and in March 1987, an implementation	Cumu- lative				17,800			49,526		54,638	121,96
signed on March 14, 1987. During July and August 1987, five long-											
team experts were sent to start full-scale cooperation.										1 , ,	
										,	
	Sabah, Malaysia was covered with tropical forests but a decrease in forest resources was seen due to rapid deforestation and excessively burned fields of late. The future finance of Sabah, which depends upon income from forestry for almost 60 per cent of its income, also looked endangered. Thus, the Malaysian government set up the Re-affore-station Public Corporation in 1977; and continued to plant fast growing trees widely through agroafforestation methods. But it also asked Japan to give aid to promote afforestation. In reply to this request, a preliminary survey team was sent in February 1986 to examine the details about cooperation by Japan and in March 1987, an implementation survey team was sent. The R/D was signed on March 14, 1987. During July and August 1987, five longteam experts were sent to start	Sabah, Malaysia was covered with tropical forests but a decrease in forest resources was seen due to rapid deforestation and excessively burned fields of late. 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Procedure of Survey and Survey and Survey and survey and was sent in Petracy 1986 to examine the details about cooperation by Japan and in March 1987, an implementation entrey team experts were sent to Start full-scale cooperation.

and the same of th				Sur	vey teams	3		Expert	8	Equipment	supply	Grand
		nl aaat	musa af		Number of	Expendi- tures	Number		Expendi- tures	Names of major	Expendi- tures	total of expendi-
Project name	Summary	Fiscal year	Type of survey	Survey terms	staff members	(1,000 yen)	exper On- going		(1,000 yen)	equipment items	(1,000 yen)	tures (1,000 yen)
ASEAN Poultry Disease Research and Training	It has played an important role in	1985	Pre- liminary survey	7, 1985		Grant and mixed						
Project Type of	the economy. On the other hand, the poultry industry became larger and larger in scale; in the		Delibe- ration	4.7, 1986 -	5	6,830	_	2	3,625			10,45
agreement: R/D	meantime, poor feeding management caused much economic loss due to the spread of epidemics and poor		for imple- menta-	4.18, 1986								
Date signed: 4.17, 1986	prevention. In view of the above situation,		tion (Survey)									
Cooperation term:	surveys were made to research and study infectious diseases and parasite-laden poultry diseases,	1986	Mutual consul- tation	3.4, 1987 ~ 3.13,	4	3,051	a ur	4	16,064	Experi- mental equipment, etc.	16,897	36,01
(Initial) 4.17, 1986 - 4.16, 1991	which are commonly-recognized problems among ASEAN nations, with Malaysia as a host nation. Poultry experts and researchers	1987	(Survey) Itiner- ant	1987 3.14, 1988 -	4	2,840	3	3	57,090	Filtering disinfec-	115,390	175,32
Cooperating Organization in Malaysia:	from ASEAN nations were trained too. The R/D was signed in April 1986. Three long-term experts and		techni- cal advisory	3.25, 1988						tant equipment, high speed		
Veterinary Department, Ministry of	a short-term expert were sent to start full-scale cooperative activities. In fiscal 1987, three		survey							centri- fuges and other		
Agriculture; National Veterinary Institute	short-term experts were sent; three trainees were accepted, and equipment items costing about one hundred and thirteen million yen were supplied. The poultry disease	Cumu- lative total				12,721			76,779		132,287	221,78
Cooperating Organization in Japan:	research and training center was founded through grant aid assistance in January 1988. The first ASEAN											
Ministry of Agriculture, Forestry and	poultry seminar was held. See "Southeast Asian Agriculture and Forestry Cooperation (Livestock).											

	angangana, dayah daga daga daga daga papanan an abad yannan yang ngangda 2 - 4 dalah damangan peraka 2000-tah dalam yang ana andara ngah pilipungan peraka samungan			Sur	vey teams	1		Expert	:s	Equipment	supply	Gr
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures	tot exp t
Survey for Afforestation		1986				1,550			-			
Traveling Guidance												
THE CONTRACTOR OF THE CONTRACT) 		
												,
	(Total of Agriculture & Forestry Cooperation Programmes)					(281,730)			(957,901)	(1	,172,113)(2,4
											:	
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								:		· .		

			1	Sur	vey teams	3		Expert	s	Equipment	supply	Grand
Project name	Summary	Fiscal	Type of	Survey	Number of staff		Number exper	of	Expendi- tures (1,000	Names of major equipment	Expendi- tures (1,000	total o expendi tures
		year	survey	terms	members	yen)	going	New	yen)	items	yen)	(1,000 yen)
preliminary Survey for Matural Rubber Development	(Indonesia, Malaysia, Singapore, Philippine, Thailand)	1975	Pre- liminary survey	1.19, 1976 - 2.17, 1976	(4)	(922)						(92
echnology Cooperation												
Survey Terms: 1.19, 1976 -												
2.17, 1976	[10] [10] - 발생 [10] [10] [10] [10] [10]		9) 15 1									
Southeast Asian Project Finding Survey	(Indonesia, Malaysia)	1976	Pre- liminary survey	3.3, 1977 - 3.17, 1977	(3)	(883)						(8)
arvey Terms: 3.3, 1977 - 3.17,1977												
Casting Technology Center		1987	Pre- liminary survey	9.21, 1987 - 10.8, 1987	5	3,670						3,6
	(Total of Industry Development Cooperation Programmes)					(5,475)					:	(5,4
		·									:	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey tear actual expenditure (1,000 yen
1	Survey for Completion Plan of Electric	npletion Plan of Thailand, Taiwan, Vietnam)	1967	Investment	10. 7, 1967 ~ 11. 11, 1967	(9)	(693
	Communication Network Within Southeast Asia						
2	Preliminary Survey for Harbor Facilities	(Malaysia, Pakistan) Refer to Asia in general.	1970	Preliminary survey	6. 10, 1970 - 7. 2, 1970	(3)	(901
3	Survey for Confirmation of	(1) (Malaysia, Philippine, Thailand) Refer to Asia in general.	1966	Investment	7. 19, 1966 - 8. 12, 1966	(3)	(972
	Selection of Development Research Project	(2) (Indonesia, Malaysia, Philippine) Refer to Asia in general.	1975	Preliminary survey	7. 8, 1975 - 7. 26, 1975	(2)	(492
4	Economic Survey	Member Nations of the Federal Republic of Malaysia conducted surveys of economic	1962	Investment	9. 3, 1962 - 9. 25, 1962	17	6,170
	in the first of the second of	conditions of the member nations of the Federal Republic of Malaysia and Brunei and the possibility of promotion of industrization was studied.					
5	Survey of Plan for Microline Network	Basic survey was made as to selection of stations and electric wave diffusion tests	1965	Investment	9. 29, 1965 - 1. 6, 1966	5	7,103
	Construction regarding the microwave limited from Kuala Lumpur via the Kuwantan to Kotapal.	from Kuala Lumpur via the east coast of					
6	Survey of Plan for Kuchin Harbor	Surveys and implementation programmes were made as to the possibility of a ton-class	1966	Investment	3. 10, 1967 - 7. 19, 1967	8	7,067
	Construction	vessel coming alongswide the pier by making piers for imported sundries and oil	1967	Investment		0	11,990
	at Pending, down the Kuchin Harbor, which enable 1,000 - 3,000 - ton vessels to anchor.	1968	Detailed design	3. 3, 1969 - 6. 11, 1969	12	9,049	
6			1969	Detailed design	7. 6, 1969 - 7. 20, 1969	7	

							P.46
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1969	Detailed design	1. 10, 1970 - 1. 29, 1970	8	
			1970	Detailed design	6. 21, 1970 - 7. 5, 1970	5	9,440
			Cumulative total				81,563
7	Survey for OH Network	Survey was made for communication network construction with outside radio waves by	1967	Investment	8. 7, 1967 - 11. 21, 1967	13	15,916
	Construction Programme	looking between Johore Bahru and Kuchin.					
8	Survey for Water and Sewage	Feasibility survey was made as to water and sewage construction in the districts of	1967	Investment	8. 21, 1967 - 9. 29, 1967	7	9,304
	Construction Programme	Doungun, Toreganuh, and Kemaman.		Park de la companya d			
9	Surveys for Plans for Port	r Port	1968	Investment	1, 27, 1969 - 3, 8, 1969	8	6,087
and the same of th	Construction in East Coast of West Malaysia	Basic survey was conducted as to finishing ports in Kuala Besut, Kuantan, Mersing and Kuala in the eastern cost of west Malaysia and related land facilities, and a conclusion about	1969	Investment		0	1,078
		construction possibilities and priorities was reached.					
	· · · · · · · · · · · · · · · · · · ·	(2) Kuantan fishing port construction plan	1969	Investment	8. 25, 1969 - 11. 7, 1969	1.4	21,335
		Survey for large type trawling and round haul net fishing ports construction programme.	1970	Investment		0	886
Notice of the stat							
Sugarthanisterior							, in the

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o.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey tear actual expenditure (1,000 yen
		(3) Kuantan commercial port construction programme	1970	Field survey	9. 1, 1970 - 10. 3, 1970	7	
			1970	Explanation of reports	3. 31, 1970 - 4. 6, 1971	3	11,069
			1971	Explanation of reports		0	182
			Cumulative total				40,6
0	Surveys for Paddy Drying Storage Facility	Feasibility survey of paddy drying for storage facilities construction in dam	1970	Field survey	5. 18, 1970 - 6. 22, 1970	6	
	Construction Programmes	planned district	•	Explanation of reports	12. 20, 1970 - 12. 29, 1970	2	11,10
11	Surveys for Penang Sewage and Drain	The Malaysian government mapped out plans for building sewage and drain facilities at	1976	Preliminary survey	5. 17, 1976 - 6. 6, 1976	6	6,18
	Programms	Butterworth in Penang and Bukitmetaljam, where various development programmes were under way, as the development center, 2nd	11	Field survey	10. 27, 1976 - 12. 31, 1976	20	105,940
		next to Kuala Lumpur, providing more healthy living facilities for an increasing population. They asked the Japanese government	1977	Explanation of reports	5. 9, 1977 - 5. 18, 1977	7	5,79
	·	to conduct a feasibility study on making the master plan for the above programmes and for programmes in urgently needed	0	Field survey	9. 19, 1977 - 12. 17, 1977	20	
		It was complied with at once. In fiscal 1978, the draft final reports of the	Pa .	Explanation of reports	12. 7, 1977 - 12. 17, 1977	5	75,61!
		feasibility study made in fiscal 1977 were explained to the Malaysian government and	1978			0	116,249
		discussed with them. Then the final drafts were made and given to them.	1978	Explanation of reports	9. 24, 1978 - 10. 1, 1978	3	25,11
			Cumulative total				334,90

							P.48
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey tea actual expenditur (1,000 yen
12	Programme for Laying	The Malaysian government planned to greatly improve the services of the main communica-	1977	Field survey	7. 17, 1977 - 9. 30, 1977	13	
	a Submarine Cable between West Malaysia and East	tion lines between east and west Malaysia by laying a submarine cable with a long-distance submarine coaxial cable system.	1977	Explanation of reports	12. 6, 1977 ~ 12. 17, 1977	4	107,229
	Malaysia The cable was to be laid between Kuantan in west Malaysia and Kuchin in east Malaysia, amounting to about 600 kilo- meters, having 1,000 telephone lines, as one of their long-distance telephone metworking						
		plans. In reply to their request, marine surveys were made to confirm the feasibility of the programme; the draft final reports					
		were explained to people concerned over there and after discussion with them, the final reports were made and given to them.					
13	Surveys for Salawak The Malaysia government asked the Japanese government to investigate the feasibility of trunk road construction connecting	1977	Preliminary survey	2. 21, 1978 - 3. 17, 1978	5	4,01	
	Programmes	Beruru, Lonrama and Linban over a 230-kilometer distance under the second trunk road construction programme in Salawak.	1978	Preliminary survey		0	19
		In fiscal 1977, preliminary surveys were made to confirm the background of the request, to have discussions of the S/W and	"	Field survey	7. 9, 1978 - 3. 15, 1979	26	142,09
		to conduct fact-finding ahead of tull-scale survey. The road construction requested was was given the highest priority in the 2nd	1979	Explanation of reports	12. 10, 1979 - 12. 18, 1979	4	39,37
		Trunk Road Network Construction Plan made for the economic development of the central part of Salawak and for closer connection	1980	Explanation of reports		0	491
		between the eastern area and the rest of Salawak.	Cumulative total				186,172
							·

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	Surveys for the Toreganu Swamp Agriculture	The purpose of the swamp development programme, one of the regional comprehensive development projects under	1977	Preliminary survey	2. 1, 1978 ~ 2. 21, 1978	7	8,223
	Development	way in the southern part of Toreganu on	1978			0	999
	Programme	the east side of the Malaysian islands, was to have unemployed and low-income people settle there in order to help solve their poverty problems. Following the fiscal 1977	1978	Field survey	8. 9, 1978 - 3. 8, 1979	22	100.000
		preliminary survey, in fiscal 1978, 1,700 ha of Buki Bau district, an inland swamp among 73,000-acre swamp scattering in Toreganu was	1978	Explanation	3. 11, 1979 - 3. 22, 1979	3	102,980
		designated as a pilot project district. From August, topographical maps were made. In September, a feasibility survey of the	1979			0	176
		development programme mainly related to agriculture was conducted and reports were	1979	Field survey	6. 17, 1979 - 2. 9, 1980	17	113,981
			Cumulative total				226,359
15	Surveys for Arrowstar Sewage	Arrowstar in Keda is situated in the Muda Plains where semiannual rice crop is harvest-	1978	Preliminary survey	10. 1, 1978 - 10. 14, 1978	4	
	and Drain Programmes	ed on a large scale, The topography of the plains is without ups and downs; water and sewage facilities are so poor there that	1978	Field survey	2. 20, 1979 - 3. 31, 1979	10	24,518
10 to 10 to		waste water from plants is left without suitable treatment. The goal of the project was to anticipate increased population in	1979	Field survey	7. 24, 1979 - 8. 3, 1979	2	
		2,000 of 300,000 and to build facilities to meet requirements for various types of waste water and filthy water from every household,	1979	Field survey	11. 25, 1979 - 1. 13, 1980	12	128,394
		treatment of effluents from factories, and drainage of surface flowing water. There were M/P and F/S in the programme.	1980	Field survey	7. 12, 1980 - 7. 20, 1980	6	
		In fiscal 1978, a preliminary survey was made and based on the results, stage 1 of the spot survey's master plan was carried out.		Field survey	12. 12, 1980 - 12. 20, 1980	6	83,761
		In fiscal 1979, the M/P interim reports were completed.					

o.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	P.50 Survey tea actual expenditur (1,000 yen
		The final reports were prepared on the basis of the interim reports of the master	1981	Field survey		0	327
		plan and of feasibility studies in fiscal 1980.	Cumulative total				237,000
6	Surveys for George Town-Butterworth Road Programmes	Penang consists of Penang island, where George Town is situated, and Wellslee, which contains Butterworth and Buki Meltajam.	1978	Preliminary survey	11. 12, 1978 - 11. 26, 1978	5	3,820
	Road Floglammes	George Town is the center of politics and commerce at Penang; on the other hand, Buki Meltajam is expected to become a big	4	Field survey	3. 25, 1979 - 3. 31, 1979	6	9,284
		Industrial region and free-trade district. There is a ferry service between George Town and Butterworth, but the distance between	197 9	Field survey	4. 1, 1979 - 5. 31, 1979	(6)	
		them is to be bridged soon. The district now under investigation has much traffic congestion. The purpose of the	,	Field survey	4. 15, 1979 - 5. 31, 1979	2	183,453
	÷.	project is to lay out a metropolitan traffic long-term plan slated for 2,000 and to make another is to make a F/S to find out the	(i	Field survey	7. 29, 1979 - 3. 31, 1980	16	103,43
		technical and economical possibility of the project. In fiscal 1978, ahead of the	,	Explanation of reports	3. 7, 1980 - 3. 20, 1980	2	
		full-scale surveys, preliminary surveys were carried out to get comments and an on-the-spot investigation was also made.	1980	Field survey	4. 1, 1980 - 5. 31, 1980	(3)	
		Implementation policies for full-scale surveys were discussed. In fiscal 1979, the draft reports of the	•	Field survey	4. 16, 1980 - 5. 31, 1980	2	
		metropolitan traffic long-term programmes were made. In fiscal 1980, the F/S surveys for the outer beltway of George Town were	•	Field survey	6. 1, 1980 - 3. 15, 1981	12	. ter
		ma de ,	ıı	Field survey	5. 31, 1980 - 6. 9, 1980	2	
			н	Field survey	7. 29, 1980 - 8. 6, 1980	3	1 85,68 6
			!!	Field survey	9. 23, 1980 - 9. 27, 1980	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)
			1980	Field survey	10. 26, 1980 - 11. 20, 1980	1	
			0,	Field survey	12. 7, 1980 - 12. 21, 1980	3	
			19	Field survey	3. 8, 1981 - 3. 17, 1981	3	
			1981	Field survey	6. 1, 1981 - 12. 15, 1981	3	
The Assessment of the Control of the			ij,	Field survey	6. 24, 1981 - 7. 5, 1981	2	
				Field survey	7. 16, 1981 ~ 11. 30, 1981	2	114,381
			11	Field survey	8. 19, 1981 ~ 8. 30, 1981	3	114,301
			6.	Field survey	10. 5, 1981 - 12. 23, 1981	6	
		 All the property of the period of the property of the period of the perio	0	Field survey	12. 1, 1981 - 12. 25, 1981	4	
			1982	Field survey	(Domestic work)	0	470
			Cumulative total				497,100

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0.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen
17	Surveys for National Water Resources Comprehensive	The water resources in the Malaysian peninsula were partially surveyed, but the Malaysian government asked the	1978	Preliminary survey	12. 10, 1978 - 3. 11, 1979	9	4,520
	Development Programmes	Japanese government to give technical cooperation regarding water resources	1979	Field survey	10. 10, 1979 - 1. 2, 1980	6	60.743
		investigation of the entire peninsula, preparation of a water resources supply-and-demand programme, river systems and	ė	Field survey	1. 25, 1980 - 1. 31, 1980	5	62,741
		completion of administration. In fiscal 1978, ahead of the full-scale surveys, preliminary surveys were carried out to	1980	Field survey	6. 30, 1980 - 1, 31, 1981	20	
		collect data for S/W discussion. In fiscal 1979, data regarding part of the peninsula was collected and inception		Field survey	11. 2, 1980 - 1. 31, 1981	4	
		reports were made. In fiscal 1980, fact-finding at each basin of the peninsula and at each states was performed and demand		Field survey	12. 1, 1980 - 1. 31, 1981	2	227,400
		forecasts for 2,000 were attempted. In fiscal 1981, concerning Phase II (Malaysian peninsula) incoming and outgoing	(1	Field survey	1. 11, 1981 - 1. 31, 1981	1	
		water by basin was studied according to the results obtained a year earlier and by-state water resources optimum supply and demand	.	Field survey	1. 21, 1981 - 1. 31, 1981	3	
		programmes and a master plan were mapped out. Discussions went on with the federal government and each state government and	1981	Field survey	6. 1, 1981 - 12. 25, 1981	25	
		D/F was made. In regard to Phase III (Sabah Salawak state), fact-finding about each department was carried out; P/R was		Field survey	6. 10, 1981 - 6. 24, 1981	2	
		made; water income and outcome by basin and water resources optimum supply and demand programmes by state were mapped out on the	11	Field survey	7. 10, 1981 - 10. 3, 1981	1	
		made to perform domestic analysis work in preparation of each draft of the master	11	Field survey	10. 25, 1981 - 11. 1, 1981	4	201.055
		action plan. In fiscal 1982, the final reports were completed and given to the Malaysian government.	· u	Field survey	11. 24, 1981 - 12. 23, 1981 12. 23, 1981 -	2	324,967
					12. 20, 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	Field survey	3. 11, 1981 - 3. 25, 1981	2	
			n	Field survey	3. 18, 1981 - 3. 25, 1981	2	
			1982	Field survey	5. 16, 1982 - 7. 30, 1982	18	
				Field survey	9. 12, 1982 - 9. 24, 1982	2	244,291
				Field survey	12. 13, 1982 - 3. 31, 1983	2	863,959
			Cumulative total				863,959
18	Surveys for Housing Development	The population of Kuala Lumpur was rapidly on the increase. Land for housing was inade-	1978	Preliminary survey	3. 6, 1979 - 3. 18, 1979	5	2,328
;	Programme Using Land Reclamed from Tin Mine	quate, making the housing shortage acute. The Malaysian government planned to reclaim the tin mine around the town into a	1979	Field survey	12. 9, 1979 - 12. 15, 1979	5	AE 404
		residential district. Thus the Japanese government was requested to comply with their needs. In fiscal 1978, ahead of the	. II	Explanation of reports	3. 21, 1980 - 3. 26, 1980	3	45,484
		full-scale surveys, S/W discussions were held. In fiscal 1979, data for the fundamental method of construction and	1980	Field survey	8. 17, 1980 - 8. 23, 1980	5	
i		development design of buildings in SENTUL and KAMPONG PADAN districts was collected as the Phase 1 investigation and their surveys	u	Field survey	11. 4, 1980 - 11. 13, 1980	2	
		were carried out. In fiscal 1980, the frame work of project implementation was mapped out as Phase 11, and the final reports were	н	Field survey	1. 7, 1981 - 2. 28,1981	1	71,880
		completed.	U	Field survey	2. 1, 1981 - 2. 28, 1981	3	

							P.54
lo.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1980	Field survey	3. 23, 1981 - 3. 29, 1981	4	
			1981	Field survey	6. 21, 1981 - 7. 10, 1981	1	13,294
			Cumulative total				132,986
19	Resources	The Malaysian government asked the Japanese counterpart to provide technical cooperation	1978	Preliminary survey	3. 13, 1979 - 3. 31, 1979	6	5,302
	Programme in the		1979			0	185
	Eastern Part of Sabah	part of their third five-year development programme. The region's staple products are farm products and timber or primary products.	Cumulative total				5,487
	÷ ;	and it had been the least developed. There was great potential for regional development in sectors such as power energy obtained by					
		making effective use of water resources from the River Cabatan, a main river of the future, by development of industry and agri-					
		culture using river water and by completion of infratructure for residents living there (electricity transmission, water and sewage).					
		In fiscal 1978, ahead of the full-scale surveys, S/W discussions were held.					
20	Kerantan Port	Kerantan is situated in the north eastern part of west Malaysia, having a population	1979	Preliminary survey	5. 17, 1979 - 5. 30, 1979	6	6,706
	Programme	of 800,000 or so, with about 350,000 and 200,000 living near Kotabal, the capital, and in the town district, respectively. The	ri .	Pield survey	9. 26, 1979 - 12. 3, 1979	12	65,660
		district is farthest away from Kuala Lumpur, the location of the Pederal Government. This district is the least fortunate in receiving benefits from the central government and economically, it is on the smallest scale. The state government put utmost emphasis	1980	Field survey	5. 14, 1980 - 6. 19, 1980	5	
	:		В	Field survey	6. 10, 1980 - 8. 27, 1980	6	

ю.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	P.55 Survey team actual expenditure (1,000 yen)
		on the development of the infrastructure, with greatest emphasis on port construction which would trigger state development of the	1980	Field survey	9. 24, 1980 - 10. 3, 1980	4	117,755
		the southern part of the province as a senter. In fiscal 1979, master plan was made collowing the preliminary surveys and in	€F	Field survey	12. 15, 1980 - 12. 24, 1980	4	
		following the preliminary surveys and in fiscal 1980, the first phase of the F/S was carried out.	Cumulative total				190,121
21	Survey for Bintsul Port Construction Programme	The Bintsul Port in Salawak, where a natural gas field was discovered, became a port from which 6 million tons of gas were obtained,	1979	Field survey	1. 21, 1980 - 2. 28, 1980	4	14,481
	Programme	the total output, and shipped to Japan in 1983; it was also intended as a shipping port included in the ASEAN project. LNG is an especially valuable source of foreign currency for Malaysia, so the Malaysian government tried to complete the port by the					
		end of 1982 so as not to lose prestige. The implementation design work of the project was completed and it was diveded into five contracts to proceed under tender work. The Japanese government sent survey teams to give guidance and advice about on-site construction, about a supervisory system when con-					
		struction was started, and about examination and evaluation of tender documents.					
22	Surveys for Plood Forecast/Warning	Flood forecast and warning systems have been completed covering the four big rivers	1979	Field survey	8. 5, 1979 - 8. 14, 1979	3	
	System in Sabah-Salawak In the peninsula, Kurantan, Toreganu, Pahan and Perari. On the other hand, in Sabah Salawak province, they have the N.E. monsoons from November to March, which always bring great floods, causing serious damage to life and property. The same system as in the	n	Field survey	10. 26, 1979 - 12. 23, 1979	8	51,035	
		II	Explanation of reports	3. 6, 1980 3. 13, 1980	4		
		peninsular had to be set up as soon as possible.	1980	Field survey		0	6,098

			tion of the second seco				P.56
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		Thus, Japan was asked for assistance. In fiscal 1979, a S/W regarding the flood forecast and warning systems in Sadon River basin and Kinabatan, Sabah, was made and F/S surveys were carried on a large scale.	Cumulative total				57,133
23	Surveys for FM Broadcasting	Broadcasting systems in Malaysia consist of three medium-wave radio broadcasting stations	1979	Preliminary survey	2. 18, 1980 - 3. 2, 1980	5	2,781
	Network Programmes	twork Programmes and two TV broadcasting stations throughout the country. The government of Malaysia asked Japan to assist in the diversification of their broadcasting programmes and in planning implementation of quality audio broadcasting. In answer to this request, in	1980	Field survey		0	498
)	Field survey	6. 15, 1980 - 7. 30, 1980	12	50.061
	fiscal 1979, Japan made preliminary surveys for broadcasting programmes on an FM stereo	*	Explanation of reports	2. 17, 1981 - 2. 27, 1981	4	50,961	
		network by UHF band constructed for the entire area of west Malaysia. The scope and	1981			0	84
	· .	implementation policy of the project were confirmed. In fiscal 1980, full-scale surveys, including transmission tests to map	Cumulative total				54,324
		out station construction and channel plans were conducted.					
24	Surveys for Kinabatangan	The purpose of the program was to study the feasibility of a flood control programme	1980	Field survey	10, 31, 1980 - 11, 10, 1980	6	
	Basin Development Program	calling for agriculture development and power development through dam construction in Kinabatangan in the eastern part of Sabah.		Field survey	12. 14, 1980 - 1. 27, 1981	9	62,190
		In fiscal 1980, feasibility surveys on water control, agriculture, power and regional development were made. In fiscal 1981,	ii.	Field survey	1. 18, 1981 - 1. 29, 1981	3	
		fact-finding and domestic analytical work were done to make final reports, which were given to the government.	1981	Field survey	9. 15, 1981 - 11. 13, 1981	9	
			и	Field survey	11. 4, 1981 - 11. 13, 1981	4	86,193
			· = .				

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	1. 20, 1982 ~ 1. 30, 1982	6	
			1982	Field survey	(Preparation of report)	0	376
			Cumulative total				148,759
25	Bahru road Traffic	It was imperative that construction of a road connecting a new port and a new	1980	Preliminary survey	1. 18, 1981 - 1. 31, 1981	5	3,224
	Programmes	airport, an in-city road network plan connected to them, a traffic control system and a bus traffic network plan be completed	1981	Field survey	5, 19, 1981 - 1, 15, 1982	7	
		at the earliest. The M/P regarding road network construction in Johore Bahru and its vicinity was carried out, and the F/S for it	1981	Field survey	8. 1, 1981 - 12. 21, 1981	1	
		was also carried out.	1981	Field survey	8. 25, 1981 - 9. 8, 1981	3	
			1981	Field survey	9. 7, 1981 - 12. 7, 1981	5	152,325
			1981	Field survey	11. 1, 1981 - 12. 10, 1981	5	132,323
			1981	Field survey	1. 11, 1982 - 3, 26, 1982	4	
			1981	Field survey	2. 10, 1982 - 2. 17, 1982	2	
			1981	Field survey	3. 18, 1982 - 3. 27, 1982	2	
			1982	Field survey	4. 16, 1982 - 6. 30, 1982	10	147,128
			1982	Field survey	8. 24, 1982 - 3. 15, 1983	21	147,120

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1983	Field survey	4. 20, 1983 - 12. 13,1983	18	138,979
			1984	Field survey	5. 3, 1984 - 5. 9, 1984	2	1,855
			Cumulative total				443,511
26	Surveys for Kuran Underground Water	The master plan for the Kuran area slated for the year 2.000 was mapped out and a	1980	Preliminary survey	12. 10, 1980 - 12. 21, 1980	4	2,347
	Drain Programmes	feasibility survey slated for 1990 in the 'area, with top priority given to development, was carried out.	1980	Field survey	3. 17, 1981 - 6. 16, 1981	10	27,700
		internation of the property of the property of the second	1981	Preliminary survey		0	22
			1981	Field survey	4. 17, 1981 - 6. 16, 1981	2	
	: .		1981	Field survey	5. 18, 1981 - 6. 16, 1981	1	
	:		1981	Field survey	6. 7, 1981 - 6. 13, 1981	3	
			1981	Field survey	9. 16, 1981 - 12. 25, 1981	12	156 26
			1981	Field survey	10. 27, 1981 - 12. 25, 1981	1	155,769
			1981	Field survey	11. 26, 1981 - 12. 25, 1981	1	
			1981	Field survey	12. 14, 1981 - 12. 20, 1981	3	
			1981	Field survey	3. 16, 1982 - 3. 25, 1982	8	

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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 state of the s		1982	Field survey	6. 28, 1982 - 7. 3, 1982	3	
			1982	Field survey	9, 1, 1982 - 9, 10, 1982	8	54,265
			Cumulative total				240,306
27	Tatau-Kapit	Traffic in the inland area of Salawk, in Kapit, which has rich forest and mineral	1981	Preliminary survey	2. 1, 1982 - 2. 18, 1982	5	5,012
	Trunk Road Programmes	resources, was mainly by water and air. Construction of roads connecting the inland area and the coastal area was urgently		Preliminary survey	(Preparatior of report)	0	576
		needed. The Malaysian government planned the second trunk road construction programme. In view of the government's wishes, F/S	1982	Field survey	7. 6, 1982 - 9. 11, 1982	18	104 703
i		surveys regarding technical, economical and social points related to construction of the 180-kilometer road between Tatau and	1982	Field survey	12. 16, 1982 - 12. 25, 1982	6	104,683
		Kapit were carried out.	1983	Field survey	4. 29, 1983 ~ 5. 19, 1983	9	21,725
			1984	Field survey	5. 28, 1984 - 8. 10, 1984	8	
			1984	Field survey	10. 8, 1984 - 11. 21, 1984	10	101,072
			1984	Field survey	2, 25, 1985 - 3, 6, 1985	6	
			1985	Field survey	(Work done in Japan)	0	9,225
			Cumulative total				242,293

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
28	Surveys for East Malaysian FM	Completion of a national broadcasting network and a regional broadcasting network	1981	Preliminary survey	3. 10, 1982 ~ 3. 24, 1982	5	3,857
	Broadcasting Network Construction	was mapped out and F/S for construction of FM broadcasting stations on ultrashort wave band for eastern Malaysia was carried out.	1982	Field survey	6. 15, 1982 - 8. 3, 1982	12	49,994
	Programmes		1982	Field survey	2. 28, 1983 - 3. 11, 1983	5	49,994
			1983	Field survey	(Preparation of report)	0	1,357
			Cumulative total				55,208
29	Surveys on Comprehensive	The Malaysian government had been developing agriculture is the south area (inland) of Trengam. Oil and natural gas were	1981	Preliminary survey	1. 27, 1982 - 2. 6, 1982	5	8,271
	Programmes for discover the South Area of off Tree	discovered in the scabed 200 kilometers the Area of off Trengam and industrial development	1981	Preliminary survey	4. 6, 1982 - 4. 20, 1982	7	0,271
	Trengam	along the coast had to be planned and performed. To achieve harmonious development of the area, Malaysia advanced a request to	1982	Preliminary survey	(Preparation of report)	0	925
		Japan for the preparation of a master plan for development. In answer to the request the Japanese government mapped out the master	1983	Field survey	1. 8, 1984 - 3. 28, 1984	16	73,664
		plan with a preliminary F/S for priority project to be performed in the year 2000.	1984	Field survey	5. 28, 1984 - 9. 24, 1984	25	127 501
			1984	Field survey	2. 11, 1985 - 5. 26, 1985	11	137,581
			1985	Field survey	4. 27, 1985 - 5. 26, 1985	5	75,235
			Cumulative total				296,676

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	Fishery Survey Training Ship Programme	The fundamental design survey regarding the grant of a fishery survey training ship requested as part of the 100th anniversary of Sabah development was carried out.	1981	(σ)	8. 9, 1981 - 8. 29, 1981	5	14,446
31	Straits Unified	Refer to Asia in general.	1981	Field survey	9. 17, 1981 - 10. 18, 1981	(7)	(4,019)
	Navigational Chart Preparation (Phase 11)		1982	Field survey	(Preparation of report)	0	(1,967)
			Cumulative total				(5,986)
32	Surveys for Housing Development from	Following the survey (1), preliminary surveys were a made to map out ways of research on the persibility of bousing development	1982	Preliminary survey	11. 24, 1982 - 12. 1, 1982	5	2,715
	Tin Mine (II)	the possibility of housing development using land reclaimed from tin mine in Kuala Lumpur and housing development plans in a priority district.					
33	Construction	Based on the Malaysian National Railways Construction (master plan), the F/S was	1982	Preliminary survey	4. 20, 1982 - 4. 29, 1982	5	
	Programmes	carried out for the west line (new railway along existing one) construction programme along the west coast and for the West and	1982	Preliminary survey	8. 15, 1982 - 8. 28, 1982	5	246 002
		East Line (new line) programmes connecting the west coast and Kuala Lumpur.	1982	Field survey	9. 28, 1982 - 12. 29, 1982	34	246,082
			1982	Field survey	1. 3, 1983 - 2. 28, 1983	14	· 31.
			1983	Field survey	5. 31, 1983 - 10. 2, 1983	36	,
			1983	Field survey	11. 1, 1983 - 11. 30, 1983	7	339,028
						,	:

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1983	Field survey	2. 8, 1984 - 2. 18, 1984	9	·
			1984	Field survey	7. 14, 1984 - 9. 1, 1984	19	
			1984	Field survey	10. 15, 1984 - 11. 10, 1984	16	174,631
			1984	Field survey	1. 5, 1985 - 1. 12, 1985	14	
			1985	Field survey	8. 4, 1985 - 8. 13, 1985	11	75,011
			Cumulative total				834,752
34	Perulis Port Development	The perulis port development programme was mapped out with P/S performed too.	1982	Preliminary survey	3. 16, 1983 - 3. 27, 1983	4	2,550
	Programme		1983	Field survey	7. 18, 1983 - 9. 24, 1983	10	
			1983	Field survey	11. 21, 1983 - 12. 2, 1983	5	140,273
			1983	Field survey	2. 21, 1984 - 3. 3, 1984	5	
			1984	Field survey	(Work done in Japan)	0	2,986
	,1 - 11 - 1		Cumulative total				145,809
35	Penang Regional	The comprehensive master plans for water resources in three provinces: Perulis, Keda	1982	Preliminary survey	9. 12, 1982 9. 26, 1982	4	160,689
	Water Resources Development Programmes	and Praw-Penang, were mapped out and the F/S survey of the Pelis Dam, the most urgent of the programmes, was carried out.	1982	Field survey	12. 13, 1982 - 3. 31, 1983	25	100,009

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lo.	Project name	Summary	Fiscal ýear	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1983	Field survey	11. 7, 1983 - 11. 17, 1983	3	102 700
			1983	Field survey	12. 5, 1983 - 3. 21, 1984	8	183,708
			1984	Field survey	5. 16, 1984 - 7. 30, 1984	7	100.000
			1984	Field survey	1. 17, 1985 - 1. 31, 1985	5	126,835
			Cumulative total				471,232
36	Bekonka (Sabah) Area Afforestation	Afforestation leading suppliers of timber resources like	1982	Preliminary survey	4. 10, 1983 - 4. 19, 1983	3	2,192
	Programmes	the U.S.A. and the U.S.S.R. Programmes were mapped out to afforest 36,000 ha of the Bekonka district and to develop village in	1983	Preliminary survey	9. 5, 1983 - 9. 17, 1983	5	
		order to maintain timber production, to re- develop treed areas after they had been burn- ed for harvest and to help farmers settle	1983	Field survey	2. 3, 1984 ~ 3. 18, 1984	9	40,819
		there. The F/S and implementation of the project in question were mapped out and reports were compiled.	1984	Field survey	8. 20, 1984 - 9. 8, 1984	5	79,956
			Cumulative total				122,967
37	Programmes for Vocational Training	Fundamental design surveys were made for construction of facilities to train	1982	(J)	4. 8, 1982 - 4. 22, 1982	2	
	Instructors and Advanced Skill Training Center	vocational training instructors and those who are currently in charge of vocational training jobs and to improve the skills of	1982	(J)	6. 6, 1982 - 6. 26, 1982	8	35,702
	Construction supervisors and skilled workers for to purpose of developing job competence skilled laborers.	supervisors and skilled workers for the purpose of developing job competence in skilled laborers.	1982	(3)	8. 4, 1982 - 8. 13, 1982	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)
38	Malaysian University's Japanese Language	Fundamental design surveys for construction of a Japanese Language school building in	1982	((3) + 16 (2) - 18 (4) + 18	10. 10, 1982 ~ 10. 29, 1982	5	16,173
	School Building Construction	Malaysian University were made.	. #	(J)	2. 15, 1983 - 2. 24, 1983	2	10,1/3
	Programme		1983	(J)	(Reports sent)	0	22
			Cumulative total				16,195
39	Economic Technical Coorperation Survey	See "The World In General".	1982	Preliminary survey	8. 25, 1982 - 9. 1, 1982	(6)	998
40	South Johore Regional Water	Comprehensive water resources development programmes (M/P) consisting of water supply,	1983	Preliminary survey	2. 23, 1984 - 3. 3, 1984	4	2,064
	Resources Development Programmes	flood protection and water pollution prevention measures in about 7,700km ² of the southern part of Johore were made.	1984	Field survey	7. 16, 1984 10.13, 1984	22	195,323
			!!	Field survey	11. 1, 1984 - 3. 21, 1985	13	199,323
		1985	Field survey	7. 19, 1985 ~ 8. 17, 1985	13	98,223	
		Cumulative total				296,608	
41	Bconomic Technical Coorperation Survey		1983	Preliminary survey	7. 19, 1983 7. 27, 1983	(6)	(1,481)
42	ASBAN Economical Technical		1983	Preliminary survey	10. 30, 1983 - 11. 12, 1983	(2)	(428)
	Cooperation Surveys						
							·

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
43	Cranvalley Traffic Programmes	The purpose of the Programmes was to investigate the state of traffic in	1984	Preliminary survey	8, 20, 1984 - 8, 31, 1984	5	00 765
		Clanvalley, the great metropolitan block in Malaysia, and to map out the traffic M/P envisioned for the year 2.000, based on the	II	Field survey	12. 4, 1984 - 3. 11, 1985	14	92,765
		development strategy of the district. In fiscal 1984, 1985 and 1986, full-scale surveys were made there and final reports	1985	Field survey	4. 16, 1985 ~ 5. 15, 1985	5	energia (n. 1845) 1860 - Propinsi (n. 1846) 1860 - Propinsi (n. 1846)
		were given to the government.		Field survey	4. 16, 1985 - 10. 27, 1985	13	165,048
				Field survey	10, 11, 1985 - 3, 15, 1985	9	
•			1986	Field survey	5. 20, 1986 9. 5, 1986	1	
			H	Field survey	5. 20, 1986 - 12. 21, 1986	1	
				Field survey	6. 3, 1986 - 9. 5, 1986	1	
				Field survey	6. 3, 1986 - 9. 14, 1986	1	: :
				Field survey	6, 17, 1986 - 9, 14, 1986	1.	116,335
			0,	Field survey	9. 30, 1986 - 10. 7, 1986	4	110,333
				Field survey	9. 30, 1986 - 12. 20, 1986	1	
			.	Field survey	9. 30, 1986 ~ 12. 14, 1986	1	

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No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1986	Field survey	10. 16, 1986 - 12. 14, 1986	1	
:			1986	Field survey	12. 9, 1986 - 12. 16, 1986	1	
			Cumulative total				374,148
44	Production Research	Fundamental design surveys were made concerning the construction of facilities	1984	(J) (Preliminary)	7. 4, 1984 - 7. 18, 1984	3	2,467
	Center Programmes	for testing, research and training in crab seed mass production technology.	1984	(3)	10. 24, 1984 - 11. 13, 1984	6	27,713
			1984	(3)	2. 13, 1985 - 2. 19, 1985	4	27,713
			Cumulative total				30,180
45	Economic Technical Cooperation Survey	Annual consultation	1984	(L)	8. 18, 1984 - 8. 25, 1984	6	2,263
46	Survey on Economic Cooperation	(Philippine, Malaysia) See the section on Asia in general for details.	1984	Evaluation survey	12. 6, 1984 - 12. 22, 1984	(4)	2,964
47	Kuantan-Kotakinapal Submarine Cable	The purpose of the programmes was to investigate the feasibility of a plan for	1985	Preliminary survey	2. 17, 1986 - 3. 2, 1986	4	4,107
	Construction Programmes	constructing a submarine cable between Kuantan and Kotakinapal to enlarge the communication lines between east and west	1986	Field survey	6. 22, 1986 - 8. 30, 1986	3	
		Malaysia. In fiscal 1985, preliminary surveys were made and an S/W was signed. In fiscal 1986, a full-scale investigation	1986	Field survey	6. 24, 1986 - 8. 26, 1986	3	
		was started and final reports were given to the government.	1986	Field survey	6. 24, 1986 - 8. 10, 1986	12	202 642
			1986	Field survey	8. 18, 1986 - 8. 30, 1986	2	283,642

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1986	Field survey	8. 23, 1986 - 8. 30, 1986	2	
			1986	Field survey	11, 25, 1986 - 12, 2, 1986	7	
			Cumulative total				287,749
48	City Penang Traffic Computer Control	The purpose of the programme was to map out plans for completion of a computerized	1985	Preliminary survey	2. 21, 1986 - 3. 1, 1986	5	3,692
	System Programme	traffic control system for the main streets of Penang City so as to lessen its traffic congestion and to perform its F/S.	1986	Field survey	7, 22, 1986 - 8, 6, 1986	1	
		In fiscal 1985, preliminary surveys were made; in fiscal 1986 and 1987, full-scale surveys on site and domestic analytical	0.00	Field survey	7. 22, 1986 - 12. 7, 1986	1	
		work were done. Final drafts were made and approved, then submitted.	***	Field survey	7. 22, 1986 - 12. 22, 1986	1	
			#	Field survey	7. 26, 1986 - 7. 30, 1986	1	
			ď	Field survey	7. 23, 1986 - 7. 30, 1986	1	
			. 11	Field survey	8. 1, 1986 - 11, 15, 1986	1	
			ti	Field survey	8. 19, 1986 - 9. 17, 1986	1	112 126
			11	Field survey	11. 1, 1986 - 12. 5, 1986	1	113,135
			e#	Field survey	11. 12, 1986 - 12. 26, 1986	3	

Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 year
		1986	Field survey	10. 15, 1986 - 2. 15, 1987	1	
		1986	Field survey	11. 28, 1986 - 12. 4, 1986	3	
		1986	Field survey	12. 1, 1986 - 1. 31, 1987	1	
		1986	Field survey	12. 20, 1986 - 3. 25, 1987	2	
		1986	Field survey	2. 15, 1987 - 3. 20, 1987	1	
		1986	Field survey	3. 6, 1987 - 3. 11, 1987	1	
		1986	Field survey	3. 6, 1987 - 3. 13, 1987	2	

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No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1987	Field survey	7. 6, 1987 - 8. 4, 1987	1	
			1987	Field survey	7. 6, 1987 - 8. 19, 1987	1	
			1987	Field survey	7. 6, 1987 - 8. 25, 1987	2	
			1987	Field survey	7. 17, 1987 - 8. 15, 1987	1.	
			1987	Field survey	8. 1, 1987 - 8. 21, 1987	1	57,162
			1987	Field survey	8. 1, 1987 - 8. 29, 1987	1	
			1987	Field survey	9. 4, 1987 - 10. 3, 1987	1	
			1987	Field survey	9. 18, 1987 - 9. 25, 1987	3	
			1987	Field survey	9. 24, 1987 - 10. 3, 1987	1	
			Cumulative total				173,989
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lo.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
49	Tanjohnkaran Irrigation	The purpose of the programmes was to map out plans for irrigation of about	1985	Preliminary survey	3. 3, 1986 - 3. 15, 1987	5	4,021
	Programmes	20,000 ha of the Tanjonkaran region which is situated in Sabak Bernam and Kuala Selangor districts, Selangor. In fiscal	1986	Field survey	6. 1, 1986 - 7. 9, 1986	1	
		1985, the Malaysian government's requests for the Tanjohnkaran Irrigation Programmes were confirmed; preliminary surveys such as	1986	Field survey	6. 1, 1986 - 8. 11, 1986	1	
		collection of data required for the F/S and preliminary discussions were made. In fiscal 1986, based on other concluded	1986	Field survey	6. 1, 1986 - 8. 29, 1986	3	
		S/W, full-scale surveys were made; in fiscal 1987, final reports were made to be given to the government.	1986	Field survey	6. 1, 1986 - 12. 24, 1986	2	
			1986	Field survey	6. 11, 1986 - 6. 18, 1986	4	
			1986	Field survey	6. 16, 1986 - 8. 29, 1986	2	
			1986	Field survey	6. 16, 1986 - 1. 5, 1987	2	
			1986	Field survey	7. 31, 1986 - 8. 29, 1986	2	211,779
			1986	Field survey	10. 29, 1986 - 11. 27, 1986	2	·
			1986	Field survey	10. 29, 1986 - 1. 20, 1987	4	. :
			1986	Field survey	11. 2, 1986 - 11. 7, 1986	2	
			1986	Field survey	11. 13, 1986 - 12. 24, 1986	6	
			1986	Field survey	11. 13, 1986 - 1. 20, 1987	2	

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No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
			1986	Field survey	1. 6, 1987 - 1. 20, 1987	1	
			1986	Field survey	3. 15, 1987 - 3. 21, 1987	1	
			1986	Field survey	3. 16, 1987 - 3. 21, 1987	4	
			1987	Work done in Japan			6,566
			Cumulative total				272,366
50	Salawak Underground Water Development Programme	The purpose of the programme was to map out a city water supply plan for people living in villages along the coast in the	1985	Preliminary survey	7. 15, 1985 - 8. 3, 1985	3	6,579
	lst, 2nd, 3rd and 6th county, Salawak. In fiscal 1985, preliminary surveys (contact) were made, but an S/W was not concluded.						
51	Activities by	(Philippine, Malaysia) See the section on Asia in general for	1985	(M)	8. 28, 1985 - 9. 11, 1985	3	2,900
	Japan Overseas Cooperation Volunteers	details.					
52	Economic Technical Cooperation Survey	Annual consultation	1985	(L)	7. 9, 1985 - 7. 20, 1985	(6)	(1,684)
50	Economic Technical Cooperation Survey	Annual consultation	1986	(L)			(1,967)
51		Evaluation surveys by sector	1986	(M)			(2,887)
	Cooperation Survey						

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
52	Kuran Basin Water Control Programmes	The increased population in the downstream of the Kuran River through Kuala Lumpur has	1986	Preliminary survey	12. 5, 1986 - 3. 12, 1987	(Total) 6	5,407
			1987	Field survey	10. 1, 1987 - 3. 30, 1988	(Total)21	148,974
			Cumulative total			:	154,381
		plan was mapped out, and reports were submitted.					
53	Industrial Field Development	To develop and promote various types of industries in Thailand and Malaysia, high	1986	(L)	9. 27, 1986 - 10. 4, 1986	(4)	(1,232)
	Promotion Technical Cooperation Programmes	eration finding in each field of technology,					
54	Comprehensive Regional	The purpose of the programme was to map out guidelines for making sightseeing	1986	Preliminary survey	9. 21, 1986 - 12. 5, 1986	(Total)11	32,080
	Development Programmes	development plans and to perform F/S of the candidate areas. In fiscal 1987, fact-finding was made	1987	Field survey	6. 15, 1987 - 12. 17, 1987	(Total)27	180,482
		following 1986 surveys. Tourism development guidelines were made as Phase 1.	Cumulative total				212,562
55	Clanvalley Regional Metropolitan	F/S was made regarding the concrete project lasting for a short period proposed in the	1986	Preliminary survey	3. 8, 1987 - 3. 18, 1987	(Total) 7	5,587
	Traffic Facilities Programmes	Clanvalley Comprehensive Traffic programme (M/P) ended in Fiscal 1986. In fiscal 1987, full-scale surveys were started on the spot.	1987	Field survey	10. 19, 1987 - 3. 8, 1988	(Total)23	184,903
			Cumulative total				190,490

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Surveys for Private Enterprise Cooperation Promotion	(China, Pakistan, Indonesia, Malaysia, Philippine)	1987	Business efficiency promotion	5. 27, 1987 - 6. 18, 1987	(9)	(1,520)
	Non-Grain Belt Rationalization	The purpose of the programme was to map out concrete plans for improving and	1987	Preliminary survey	4. 6, 1988 - 4. 15, 1988	5	3,036
	and Planting Diversification Programme	developing the entire non-grain belt in Malaysia; in fiscal 1987, preliminary surveys were made.					
	Fundamental Programme for	The purpose of the programme was to map out the M/P on industrial waste treatment	1987	Preliminary survey	10. 29, 1987 - 11. 8, 1987	4	51,729
	Penang Industrial Waste Treatment	in Penang as the first model case related to treatment of industrial waste as solid body and to implement F/S of urgent projects. Following the fiscal 1987 preliminary survey, fact-finding was started.					
	Economical Technical Cooperation Evaluation survey	Learned Persons' Survey on Evaluation (2)	1987	(M)	9. 6, 1987 - 9. 13, 1987	(2)	(673)
	Economic Technical Cooperation Survey	Annual consultation (Malaysia, Singapore)	1987	(L)	8. 16, 1987 - 8. 22, 1987	(4)	(1, 299)
	Kurantan Basin Water Control	The purpose of the programme was to map out M/P regarding comprehensive water	1987	Preliminary survey	11. 19, 1987 - 11. 28, 1987	5	85,842
	Programme	control of the Kurantan basin (15,000 km², 85 per cent of Kurantan province) in the northeastern part of Malaysian Peninsula and to implement F/S on dam construction so as to prevent floods in the upstream. In fiscal 1987, preliminary surveys were made and fact-finding was started.					
	· .	(Total of Development Survey Programmes)					(8,268,620)

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	Surveys for Steel Industry Development	(Indonesia, Malaysia, Philippine, Singapore, Thailand, Taiwan)	1968	(ท)	6, 19, 1968 ~ 7, 11, 1968	(8)	(2.014)
	and Expansion in Six		1968	(N)	7. 22, 1968 - 8. 14, 1968	(8)	(2,014)
2	ASEAN Countries Mining Industry	(1) (Malaysia, Philippine, Thailand)	1966	(א)	7. 19, 1966 - 8. 12, 1966	(4)	(1,196)
	Project Selection Confirmation Survey	(2) (Indonesia, Malaysia, Philippine, Singapore, Thailand)	1972	(N)	5. 31, 1972 - 6. 20, 1972	(2)	(238)
		(3) (Indonesia, Malaysia, Philippine, Vietnam, Papua New Guinea)	1974	(N)	10. 30, 1974 - 11. 15, 1974	(2)	(585)
		(4) (Indonesia, Malaysia, Nepal, Thailand)	1975	(N)	2. 22, 1976 - 3. 15, 1976	(2)	(488)
			Cumulative total		3. 15, 1976		(2,507)
3	Surveys on Laupu To cope with increases in demand for electric Electric Power power in the industrialized western	1965	(N)	3. 1, 1966 - 5. 29, 1966	7	8,335	
	Development Programmes	district, including Kuala Lumpur as a chief district, feasibility surveys of electric	1966	(N)		0	4,998
		power development plans in Laupu, about 120 km northeast of Kuala Lumpur, were made.	Cumulative total				13,333
4	Surveys for Oil Industry	Before 1974, the development of oil in Malaysia was not active. The Oil Development	1976	(N)	7. 11, 1976 - 1. 17, 1977	23	128,459
	Development Programmes	Act set forth in 1974 established the National Oil Corporation, Petronas. Preparation of a master plans for the entire oil and petro-	1977	(N)	6. 27, 1977 - 7. 3, 1977	5	00.005
		chemical industry was begun under the third five-year plan. Japan was asked to provide	1977	(N)	11. 7, 1977 11, 13, 1977	6	96,065
		cooperation. The survey covered so wide an area that JICA made the first survey of the upstream sector only. Down-stream sector including fertilizer was decided to be handled by private firms. In fiscal 1976 and 1977,	Cumulative total		11, 13, 13//		224,524

· · ·							P.75
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		surveys were carried out. In fiscal 1976, inspection reports were prepared, and a data analysis mission and site-survey mission were sent. In fiscal 1977, domestic work was done like a year earlier and reports were prepared for the government of Malaysia.					
5	Surveys for Lebill Hydroelectric	The purpose of the programme was to study the possibility of hydroelectric power	1978	(N) (Preliminary)	12. 5, 1978 - 12. 14, 1978	1	2,107
	Power Development Programmes	development along the Lebill River, a branch of the Kerantan River in West Malaysia. In fiscal 1978, detailed fact-finding as well	1978	(N)	3. 7, 1979 - 3. 31, 1979	8	11,480
		as preliminary surveys was carried out. The final scale of development of the hydroelectric power facilities was determined in view of multipurpose elements on the basis of data thus obtained. The validity of the project was studied from the technical and		(N)	4. 1, 1979 - 8. 3, 1979	(6)	
			1979	(8)	6. 3, 1979 - 12. 20, 1979	13	164,132
		econocical standpoints. In fiscal 1979, part of site surveys required for the above study was carried out.	1980	(N) (Report)	11. 24, 1980 - 12. 5, 1980	2	3,939
		See "No.18 Lebill Dam Programmes".	1981	(Ņ)	11. 1, 1981 - 11. 7, 1981	3	1,499
			Cumulative total				183,157
6	Surveys for ASEAN Urea Pertilizer	F/S surveys were made for construction of a plant producing 1,000 tons of ammonia and	1979	(N)	9. 2, 1979 - 10. 1, 1979	14	56 201
	Plant Construction Programmes	gas produced in the central Lukonia district in the offing of Binturu, Salawak in Malaysia. The project was part of the ASEAN Five Big Industrial Projects and it was by yen credit. In fiscal 1980, domestic work was done to study technical problems and to make an economic evaluation.	1979	(N) (Report)	1. 14, 1980 - 1. 20, 1980	3	56,301
			1980	(N)	(Work done in Japan)		5,159
			Cumulative total				61,460

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	P.76 Survey team actual expenditure (1,000 yen)
7	Surveys for Tekai River Hydroelectric	The purpose of the Programme was to review the surveys of the Papan Basin conducted by	1980	(N) (Preliminary)	10. 27, 1980 - 11. 5, 1980	4	
	Power Programme	the Australian government from 1972 to 1974 and to present a substitute draft regarding the Tekai site development. Surveys were	1980	(N) (Preliminary)	2. 16, 1981 - 2. 21, 1981	2	5,712
		made on the industrialization of electric power supply to plants and densely populated districts by constructing two dams with a	1980	(Å)	3. 1, 1981 ~ 3. 25, 1981	10	29,237
,		maximum output of about 104 MW and 12 MW at two points, one in the upstream and one in the downstream of the Tekai River.	1981	(N)	6. 17, 1981 - 12. 24, 1981	10	
		In fiscal 1980, a survey team was sent to hold an S/W consultation and sign its drafts. Fact-finding and data collection required	1981	(N)	6. 17, 1981 - 10. 25, 1981	7	218,107
		to make fundamental surveys possible at the sites were made. In fiscal 1981 and 1982, fact-finding and domestic work such as	1981	(N) (Report)	2. 14, 1982 - 2. 23, 1982	3	
		surveying, topography, water and boring were made to prepare the interim reports, which were explained at the local sites.	1982	(N)	5. 16, 1982 - 12. 16, 1982	25	
		In fiscal 1983, with the domestic work finished, final reports were prepared and sent to the Malaysian government.	1982	(N) (Report)	3. 6, 1983 - 3. 15, 1983	2	391,877
			1983	(N) (Report)	7. 20, 1983 - 7. 29, 1983	2	50,660
			Cumulative total				695,593
8	Surveys for Cement Plant Construction	The purpose of the Programme was to study the supply and demand of cement and the	1981	(N)	5. 11, 1981 - 6. 6, 1981	10	42, 162
	Programme in Kerantan	possibility of exporting it in view of other new programmes of cement plant construction in Malaysia and to find out the possibility	1981	(N) (Report)	12. 21, 1981 - 12. 27, 1981	2	47,163
		of implementing the cement plant construction project by using limestone found in the province. In fiscal 1981, F/S surveys for a yearly output of 740,000 tons of cement (Case A) at Talamera and 1,200,000 tons					·

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		(Case B) at Gumsan were made. It was found that both cases had implementation possibilities. (Case B would be more profitable than Case A.)					
9	ASEAN Countries Mining Industry		1982	(N)	6. 27, 1982 - 9. 2, 1982	(4)	(503)
	Project Selection Confirmation Survey						
10	Tennonpangi Hydroelectric	The purpose of the Programme was to expand the hydroelectric project carried out in the	1983	(N) (Preliminary)	12. 8, 1983 - 12. 17, 1983	5	8,619
	Power Development Programme	Tennon valley of the Padas River. Its outline was to add to a 44-MW power plant in the low- er part of the Pangi Power Station, to build	1984	(N)	3. 17, 1985 - 3. 29, 1985	7	9,732
		a reservoir at Sook 50 Km up the Pangi Power station and to construct a Sook Power Station right under the reservoir. In fiscal 1983,	1985	(N)	6. 17, 1985 - 11. 13, 1985	19	149,380
		the contents of the request were understood in a more concrete manner; and the will of the Malaysian government about the project in		(N) (Report)	8. 4, 1986 - 8. 17, 1986	5	75,685
		question was confirmed. A preliminary survey team was sent to survey the related sites and confirm major data required. In fiscal 1984,	Cumulative				243,416
		the survey plans were confirmed with the Malaysian side, and the sites were surveyed; also data on the present state of works being done by them were colleted. In fiscal 1985,					
		on-the-spot surveys including survey of the topography, materials, geological features, power circumstances, social and economical factors were carried out. Thus the interim reports were prepared, followed by domestic work and study of optimum development drafts.					
11	ASEAN Countries Mining Industry		1983	(N)	6. 26, 1983 - 7. 27, 1983	(4)	(387)
	Project Selection Confirmation Survey						

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	Mining Industry	See "Asia In General".	1983	(N)	10. 30, 1983 - 11. 12, 1983	(4)	(828)
	Project Selection Confirmation Survey (Plant renovation)						
13	Hydroelectric	The purpose of the Programme was to select a suitable place for a small-scale	1984	(N) (Preliminary)	1. 24, 1985 - 2. 6, 1985	5	5,461
	Power Development Programme	hydroelectric power station to supply electricity to the four towns of Kapito, Sliaman, Salikei and Limban in Salawak,	1985	(N)	10. 8, 1985 - 10. 27, 1985	5	8,300
		and to study them from the technical and economic standpoints. In fiscal 1984, consultations with the Salawak Power Supply	1986	(N)	8. 5, 1986 - 1. 24, 1987	(Total)10	41,294
		Public Corporation were made; site surveys were performed to carry out preliminary investigation of the validity and urgency of	1987	(N)	5. 25, 1987 - 3. 9, 1988	(Total)21	92,068
		the programmes in question. The necessity of sending a preliminary survey team was confirmed. In fiscal 1985, rivers in the area of Kapito	Cumulative total				147,123
		and Limban were surveyed and discussions with Malaysia were held about the S/W of the full-scale survey. In fiscal 1987, the topography and geological features of Muko and Mudamit II, hydroelectric power points chosen in fiscal 1986, were surveyed. Domestic analysis according to the obtained results was done; final reports were prepared and explained to the those concerned in Malaysia.					
14	Mining Industry	(Indonesia, Malaysia, Thailand, Philippine) See "Asia In General".	1984	(N)	8. 18, 1984 - 8. 22, 1984	i 1	533
	Project Selection Confirmation Survey						

							P.79
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	Mining and Manufacturing	(Malaysia, Bangladesh)	1984	(N)	3. 11, 1985 - 3. 23, 1985	(4)	(2,049)
	Industry Project Follow-Up Surveys		1985	(N)	(Preparation of report)	0	165
		Cumulative total				(2,214)	
16	Kuranvalley Town Gas Supply	The purpose of the programme was to map out plans for the development of a town gas	1985	(N) (Preliminary)	1. 16, 1986 - 1. 25, 1986	5	5,974
	Development Programme		1986	(N)	5. 21, 1986 - 2. 28, 1987	(Total)22	110,936
		eastern part of the Malaysian peninsula.	1987	(N)	(Reports sent)		208
		In fiscal 1985, preliminary surveys were made and an S/W was signed. In fiscal 1986, a demand survey was made, as well as fact-finding about the gas supply system. The results of the domestic work were written in final reports, which were then submitted to the Malaysian government.	Cumulative total				117,118
17	ASEAN Countries Mining Industry		1985	(N)	7. 10, 1985 - 7. 20, 1985	(1)	(370)
	Project Selection Confirmation Survey						
18	Lebill Dam Programmes	After presentation of the interin reports to the Malaysian government in March 1981,	1986	(N) (Preliminary)	12. 8, 1986 - 3. 31, 1987	(Total)15	32,679
	the surveys were suspended because the area to be submerged would be in violation of the Agricultural Project. Nevertheless, the	1987	(N)	5. 5,1987 3. 15, 1988	(Total)15	133,301	
		Malaysian government asked Japan to resume surveys of the Programme in question. To confirm their request and to hold S/W	Cumulative total				165,980
	· ,	consultations, a survey team was sent in					

lo.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		December 1986. Then in March 1987, a full-scale survey team was sent to review the interim reports, survey the sites and layout the optimum development plans. The final reports were submitted to the National Electric Power Agency. In fiscal 1987, the topography was surveyed; the geological features and environment were investigated. The optimum development plans were prepared into interim reports and explanation meetings were held in Malaysia.					
19	Confirmation of Mining and Manufacturing	(Malaysia and several other nations)	1986	(N)	7. 15, 1986 - 7. 23, 1986 9. 27, 1986 - 10. 4, 1986	(1)	(1,095
	Industry Project		1987	(N)	8. 16, 1987 - 8. 22, 1987	(1)	246
			Cumulative total				1,341
20	Development/	The purpose of the Programme was to survey the present conditions of industries and	1987	(N) (Preliminary)	7. 27, 1987 - 8. 5, 1987	7	65,039
	Promotion Programme	types of businesses that would be promising many years later when exports boomed and to find out any problems in developing Malaysian industries and in promoting exports. Finally, comprehensive programmes for improvements were to be mapped out. In fiscal 1987, preliminary surveys were carried out and implementation details were concluded; fact-finding was performed accordingly.					

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
		(Malaysia, Indonesia)					· .
21	Affairs Related to Settlement of Survey Programmes	To cope with larger scales of overseas development plan survey programmes in much more detail, and to request diversifying cooperation each year, affairs under discus-	1987	(N)	3. 4, 1988 - 3. 9, 1988	(4)	(789)
		sion were investigated to collect data from the nation, which made requests and neighbor- ing nations related to the programmes and learned persons as much as possible so as to					
		map out survey plans. In fiscal 1987, the following was conducted: (1) Various types of data were printed. (2) Copiers used to rationalize planning					:
		and various procedures were maintained and managed; supplies were bought. (3) To smooth overseas survey programmes, adjustments with government organiza-					
		tions in overseas offices were made, and reports were taken back.					
		(Total of Overseas Development Plan Survey Programmes)					(1,975,392
			1.				
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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	Project Selection Surveys	The Geological Survey Bureau, Malaysia, decided on the Bau district in Salawak as one of the mineral resources surveying	1981	(0)	2. 12, 1982 - 2. 18, 1982	4	2,024	u tu
		projects under the fourth Malaysian Programme (1981 - 1985) but it was not materialized. Hence this district was included in the technical cooperation projects, and planning and programming were carried out for it. Necessary formalities were carried out in November 23, 1981 with E.P.U. to make requests to Japan about the project. On the other hand, KETENGAH (Central						
		Torenganu Special Development Agency) planned to make requests to Japan for technical cooperation in mineral resources surveys in Torenganu. It was reported to E.P.U. But to make effective use of the surveys, the Japanese cooperation systems had to be explained to them and the most suitable place for the cooperation survey had to be select- ed. Thus, the project selection team was sent to discuss the projects.						Equip- ment supply
2	Salawak District Resources	The Bau district to be surveyed under the survey programmes in question was part of	1982	(0)	7. 29, 1982 - 2. 25, 1982	11	78,735	12,217
أماره والماران أمام ماسية	Development Surveys	the fourth mineral resources survey programme in Malaysia. Through Japanese cooperation, an attempt was mode to explain	1983	(0)	5. 11, 1983 - 1. 21, 1984	14	101,875	989
deligated a constant	·.	geological features geological features with the help of geological surveys, geological- chemical surveys, physical surveys and boring	1984	(0)	6. 4, 1984 - 12. 28, 1984	13	83,350	0
A STATE OF STATE OF	3	methods. In fiscal 1982, geological features in over 540 km ² of Bau district were survey-	1985	(0)	(Equipment supply)	0	0	4,013
والمارية والمارية والمارية		ed. In fiscal 1984, geological surveys and geological-chemical surveys (close investigation) were made over 3.8 km ² , as well as a	Cumulative total				263,960	17,219
e prishherin		physical survey (IP Engineering Method) over 9.9 km ² and three holes 690 meters each were						
	:	bored out.						

							P.83	
o.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)	Equip- ment supply
		In fiscal 1985, supplies for surveys were sent to Malaysia and surveys were finished.						
}	Sabah District Mineral Resources	The purpose of the surveys was to see discover copper deposits in Sabah. In fiscal	1985	(0)	5. 19, 1985 ~ 5. 28, 1985	1	111,730	7,66
	Development Surveys	1985, the first year of the three-year plan, geological, geological-chemical (semisurvey of 8 km2), physical (CSAMT	1985	(0)	8. 4, 1985 - 3, 31, 1986	29	111,730	7,002
		100 km2 of foil), boring (eight holes; 2,700 m) surveys were made to find copper and molybdenum deposits.	1986	(0)	4. 22, 1986 - 9. 21, 1986	5	246,407	2,915
		In fiscal 1986, geological, geological-chemical (56 km2) and boring (three holes; 1100 m) surveys were made, and it was assumed that the range of copper deposit formation would be about 600 m	1986	(0)	9. 14, 1986 - 3. 24, 1987	8 .	240,407	2,51.
		deposit formation would be about 600 m across north and south, about 300 m across	1987	(0)	7. 1, 1987 - 11. 14, 1987	9	75,212	
		across north and south, about 300 m across west and east, forming an (oval-shaped) adamelomacle rock body in the area of Panbangan. In fiscal 1987, boring surveys (five holes; 1500 m) were made.	Cumulative total				433,349	10,57
4	Surveys for Project Selection	The purpose of the surveys in question was to investigate the various conditions regarding the implementation of resources	1987	(0)	3. 2, 1988 - 3. 12, 1988	5	2,492	
	Confirmation	development surveys including the contents of requests, the nation's ability to accept co- operation, actual condition of geological features and deposits, and the contents of						
		the surveys already done for nations which will promote mineral resources development or developing nations which would like to request cooperation to enable such development.						
		(Total for Basic Survey for Resources Development Cooperation)			(Survey team) 701,825	(Equipment supply) 27,796	(Total) 729,621	
	:					·		

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	Fishery Survey Training	Grant of fishery survey training ships with the object of fishery development in Sabah	1.14, 1982	3.5	1981	Basic design	8.9, 1981 - 8.29, 1981	5	Development survey	
	Programme				11	Expediting the execution (Survey)	3.13, 1982 ~ 3.18, 1982	1	499	
2	Construction Plan for Voca-	Construction of the Center where vocational training instructors and methods of super-	11.30, 1982	17.4	1982	Preliminary survey	4.8, 1982 - 4.22, 1982	2		
	tional Training Instructors and Advanced	visory and guidance in firms are taught to promote modern industrialization.	12.16, 1983	20.6	"	Basic design	6.6, 1982 - 6.26, 1982	8	Development survey	
	Skill Training Center				•	Explanation of reports	8.4, 1982 - 8.13, 1982	4		(Cum lati tota
						Expediting the execu- tion (Survey)	10.13, 1982 10.22, 1982	(2)	(517)	2,70
					1983	Expediting the execu- tion (Survey)	1.11, 1983 - 1.22, 1983	(2)	(461)	
					1985	(M)	1.23, 1986 - 2.2, 1986	3	1,724	
3	Malaya University	In accordance with the "Look East" policy, as part of national development, students and vocational trainees are sent to Japan for	3.3, 1983	3.9	1982	Basic design	10.20,1982 - 10.29,1982	5	Development survey	
	Japanese Language Center Construction	study. A center to give Japanese language instruction to them before coming to Japan			•	Explanation of reports	2.15,1983 - 2.24, 1983	2	54. 16,	
					1984	Expediting the execu- tion (Survey)	8.7,1984 - 8.20,1984	(2)	729	
The second second									:	

No. Project name Summary of project ASEAN Poultry Disease Training Center Construction Programme Summary of project Construction of facilities where tests, research and training should be given regarding mass production of shrimp seeds Construction Programme Construction of a center to study poultry diseases and train experts on poultry diseases.		(100 million yen) 12.98	of survey 1984 "	Preliminary survey Basic design Explanation of reports Expediting the execution (Survey) Expediting the execution (Survey)	11.13,1984 2.13, 1985 - 2.19, 1985 9.11, 1985 - 9.18, 1985 12.16, 1985 - 12.24, 1985	team members dispatched 3 6 4 (1)	expenditure (1000 yen) Development survey
Seed Production Institute Construction Programme Construction of a center to study poultry Disease Training Center Construct research and training should be given regarding mass production of shrimp seeds Construction of a center to study poultry diseases and train experts on poultry diseases.	1985 s.	12.98	1985	Basic design Explanation of reports Expediting the execution (Survey) Expediting the execution (Survey)	7.18,1984 10.24,1984 - 11.13,1984 2.13, 1985 - 2.19, 1985 9.11, 1985 - 9.18, 1985 12.16, 1985 - 12.24, 1985	6 4 (1)	survey
Construction Programme 5 ASEAN Poultry Disease Training Center Construction of a center to study poultry diseases and train experts on poultry diseases.			1985	Explanation of reports Expediting the execution (Survey) Expediting the execu-	11.13,1984 2.13, 1985 - 2.19, 1985 9.11, 1985 - 9.18, 1985 12.16, 1985 - 12.24, 1985	(1)	survey
Disease Training diseases and train experts on poultry Center Construc- diseases.			1985	of reports Expediting the execution (Survey) Expediting the execu-	2.19, 1985 9.11, 1985 - 9.18, 1985 12.16, 1985 - 12.24, 1985	(1)	1,175
Disease Training diseases and train experts on poultry Center Construc- diseases.				the execu- tion (Survey) Expediting the execu-	9.18, 1985 12.16, 1985 - 12.24, 1985		1,175
Disease Training diseases and train experts on poultry Center Constructions diseases.				the execu-	12.24, 1985	(1)	1,175
Disease Training diseases and train experts on poultry Center Constructions diseases.					4		
	y 9.10, 1986	8.73	1985	Preliminary survey	7.15,1985 - 7.26,1985	2	
			13	Basic design	11.28, 1985 - 12.19, 1985	7	13,29
			ı	Explanation of reports	3.27, 1986 - 4.4, 1986	5	
			1986	Expediting the execu- tion (Survey)	1.11,1987 - 1.17,1987	1	14,48
			Cumu- lative total				27,778

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Malaya University Japanese Language	The Japanese Language Center, opened to give Japanese language instruction to students	1987	Preliminary survey	10. 25, 1987 - 10. 31, 1987	4	10,520
i	School Building Expansion	going to Japan for study, did not have enough facilities to house all the students due to increasing numbers of students. Thus, it had to be expanded and augmented.		Basic design	1. 28, 1988 ~ 2. 11, 1988	7	10,520
		(Total of Grant Aid Cooperation Programmes)					(43,403)
				Links are estimated. We see a construction			
							- , i

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Cacao Development Cooperation Programmes in Sabah	(1) Primary Basic Survey for Development From 1960 the Sabah government worked hard to reforest areas with Oil palm and Cacao trees.	1977	Primary basic survey for development	2. 20, 1978 - 3. 12, 1978	9	8,395
	Saban	They hoped to develop and produce products from such trees to cope with increasing demands worldwide. Thus Japan sent survey teams to	1978		(Preparation of reports on the above)	0	393
		exchange views with the Malaysian authorities, perform fact-finding there, and conduct processing and marketing surveys. The possibility	1978	Secondary basic Survey for development	9. 7, 1978 - 10. 6, 1978	7	8,542
		of Japanese firms' participating in the development programmes in question was investigated.	1979		(Preparation of reports on the above)	0	1,387
		(2) Secondary Basic Survey for Development In view of the above results, 100,000	1979	Development project survey	3. 2, 1980 - 3. 16, 1980	7	7,120
		acres of land around Kinabatangan, Sabah, was chosen as the survey target area. Investigation of concrete conditions	1980		(Preparation of reports on the above)	0	673
		of investment was made. Surveys of natural conditions (weather, soil, vegetation, etc.), social-economical conditions (construction of	Cumulative total				26,510
		plantations, labor force, and infrastructure) and of cultivation were also made. The basic development plans were mapped out.					

i i							P.88
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey tea actual expenditur (1,000 yen
	Unused Forestry Development Coopera- tion	(Thailand, Malaysia)	1978	Primary basic survey for development	4. 1, 1979 - 4. 30, 1979	(6)	(2,690
			1979		(Preparation of reports on the above)		(418
			n		(Survey of the previous year)		(198
			Cumulative total				(3,306
	Sago Palm Development Cooperation	(Indonesia, Malaysia)	1980	Basic primary survey	6. 3, 1980 - 6. 18, 1980	(6)	(2,54
:	Cacao Cultivation in Malaya Peninsula	This survey was made to map out development plans about a pilot farm business for producing good cacao beans. In fiscal 1980,	1980	Development project survey	9. 18, 1980 - 10. 2, 1980	6	5,49
		marketing and distribution conditions were surveyed and surveys of plantations and of promotion plans were made.					
	Development Cooperation of Palm and the Like in	This survey was made to observe the use of sago palms thus far by the Sago Palm Group, including understanding of economical	1980	Basic primary survey	(Sago Palm Group) 4. 9, 1980 - 4. 18, 1980	3	4 01/
	Malaya Peninsula	and technical problems in cultivation and to study the possibility of coconut palm planta- tions in districts lying on the east coast, which was given much attention. The Coconut		Basic primary survey	(Coconut Palm Group) 4. 9, 1980 - 4. 28, 1980	4	4,916
	Palm Gro	Palm Group was in charge of the latter undertaking.	1981		(Preparation of reports on the above)	0	403
			Cumulative total				5,319

· ·							P.89
0.	Project name	Sumnary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey tea actual expenditur (1,000 yen
	Papaya Cultivation Development Coopera- tion in Sabah	This survey was made to find the possibili- ties for a papaya cultivation business and to select suitable sites in deforested areas	1981	Basic secondary survey	12. 8, 1981 - 12. 23, 1981	6	5,267
	CION IN SAVAN	of Sandakan, Sabah, from where Japan was to harvest papaya. In fiscal 1981, surveys of	1982	Basic secondary survey	(Preparation of report)		479
		the agricultural investment environment in the above district of the nature of a candi- date area, of economic conditions and other related matters were made.	Cumulative total				5,746
	Sago Palm Development Cooperation	of sago palms has attracted much attention	1982	Basic secondary survey	3. 29, 1983 - 4. 9, 1983	6	4,147
		for use as food and as material for isomerism. The purpose of the cooperation was to map out the master plans for test	1983	Basic secondary survey	(Work done in Japan)	0	2,010
		business to establish a new artificial technology for effectively using sago palms in the Muka district, Salawak, where they are found in a semi-natural state. To make this possible, fact-finding about the sago palms current conditions, the manufacture of starch, and the distribution or cultivation state was carried out. As a result, it was found that there were many possibilities for development by improving food starch manufacturing technics and processing technology to give added value to palms and to improve facilities.	Cumulative total				6,157
· · · · · ·	Development of Wooden Energy Use	(Philippine, Malaysia, Singapore)	1982	Basic primary survey	2. 21, 1983 - 3. 11, 1983	(6)	(2,031
			1983	Basic primary survey	(Preparation of report)	0	241
			Cumulative total				2,27
	·						

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Southeast Asian Special Forestry Development Cooperation	(Singapore, Malaysia, Thailand)	1985	Basic primary survey	11. 8, 1985 - 12. 3, 1985	(4)	(1,174)

and the state of t			T	Sur	vey teams	3		Exper	:8	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey	Number of staff members		Number exper On- going	of ts	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Experimental Development Plan for Effective Use	Purpose: To map out a plan for development of experimental business regarding light quality	1986	Develop- ment project survey	1987 -	6	10,302						10,30
of Limestone	calcium carbonate added to high-class paint or paper, there by making effective use of limestone produced in Perulis or other districts.	1987	Prepa- ration of report			335						33
	Outline: The above business concept was explained to the Malaysian	Cumu- lative total				10,637						10,63
	government and related organizations; and collection of information on raw											:
	materials, on deposits, on business plans, and other general items was made for carrying out a basic survey.											
	Result: Items and problems pertaining to the above survey were											
	understood and the possibility of the business was shown.										: : : :	

			That's Middle	Sur	vey teams	3	Exper	ts	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number of experts On- going New	Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total o expendi tures (1,000 yen)
pice Crop ultivation evelopment ooperation lan	Outline: Surveys of the cultivation environment of crops to be developed, of the investment environment, and of the culti-	1986	Basic primary survey	6.16, 1986 - 6.28, 1986	5	4,283					4,2
	vation state of spice crops in Malaysia were carried out.										
	Result: The direction for implementing the plan in question and the effect of the development cooperation were clarified.	Property (Sept.)									
	Purpose: The possibility of making a commercial business through the production of spice crops, which would be new farm products for the Malaysian government, was studied. Spice crops include jasmine, kananga and chuberose.										

lo.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 year
	Experimental Plan for Effective Use of Palm Oil	Purpose: To map out an experimental business plan to supply electric power to non-	1987	Development project survey	11. 5, 1987 - 11. 20, 1987	6	11,08
		electrified districts by using palm oil (especially low quality palm oil) and palm waste oil as electrical fuel.					
		Outline: The above plan was briefed to the Malaysian government and related					
		authorities and basic surveys were made as required to map out implementation of the above plan covering business implementation site, raw materials,					
		economical analysis, etc. Result:					
		Use of low quality palm oil as electric power in remote areas was recognized by the Malaysian government as meaningful and the possibility of the business					
		plan was shown:				•	
							. * .
						:	

No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Survey on Loan to Related Facilities Completion Plan	(Malaysia, Philippine)	1974	Financial cooperation	2. 10, 1975 - 2. 26, 1975	(3)	(846)
	Survey on Loan to Related Pacilities Completion Plan	(Malaysia, Philippine)	1975	Financial cooperation	4. 24, 1975 - 5. 5, 1975	(3)	(651)
	Survey on Scrutiny of Treasury Invest- ment and Loan on Agriculture Development	(Malaysia, Thailand)	1975	Financial cooperation	10. 14, 1975 - 11. 2, 1975	(3)	(894)
	Financial cooperation	(Malaysia, Thailand)	1976	Financial cooperation	11. 7, 1976 11. 21, 1976	(3)	(861)
	Survey on Loan to Related Facilities Completion Plan	(Indonesia, Malaysia)	1976	Financial cooperation	12. 2, 1976 - 12. 17, 1976	(2)	(841)
	Survey on Scrutiny of Treasury Invest- ment and Loan for Kotakinapal New Port Land Development Plan	Survey before loan to scrutinize the effect of economical cooperation and the validity of the business plan on loaning construction capital for roads bridges and related facilities of the Kotakinapal New Port Land Development Plan in Sabah Malaysia	1976	Financial cooperation	3. 22, 1977 - 3. 30, 1977	2	1,166
	Appraisal and Survey on Mining Industry Investment and Finance	(Indonesia, Malaysia, Singapore)	1977	Financial cooperation	2. 22, 1978 - 3. 4, 1978	(4)	(651)
	Survey after Loan on Infrastructure Re- lated to Kotakinapal and for Discovery of Any Would-be Partner for Treasury Investment and Loan	(Malaysia, Sri Lanka)	1978	Financial cooperation	11. 26, 1978 - 12. 10, 1978	(3)	(935)

No.	Project name	Summary	Piscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey team actual expenditure (1,000 yen)
	Financial Cooperation	Survey after loan for administering related facilities together with the copper mine development programme in the Smute, Sabah	1979	Financial cooperation	3. 3, 1980 - 3. 11, 1980	3	1,271
	Financial Cooperation	(Malaysia, Singapore)	1979	Financial cooperation	3. 12, 1980 - 3. 22, 1980	(4)	(1,021)
			1980				(8)
	All the seasons of th		Cumulative total				(1,021)
	Financial Cooperation	Post-loan survey of the experimental business in spice cultivation (pepper, cloves, etc.)	1980	Pinancial cooperation	12. 11, 1980 - 12. 19, 1980	4	2,044
		in Johre					36 (Preparation of report on carried over expenses)
			Cumulative total				2,080
	Financial Cooperation	(Malaysia, Thailand)	1981	Financial cooperation	11. 21, 1981 - 12. 5, 1981	(3)	(1,354)
	Pinancial Cooperation	(Philippine, Malaysia)	1981	Financial cooperation	10. 13, 1981 - 10. 31, 1981	(3)	(946)
	Experimental Business in Soft Ground Improvement Method	Before-Loan Survey of Experimental Business in Soft Ground Improvement Method	1982	Financial cooperation	2. 17, 1983 - 2. 23, 1983	4	2,161
	Survey for Treasury Investment and Loan to Penang	Post-Loan survey of facilities associated with polyster staple development business	1982	Financial cooperation	8. 11, 1982 - 8. 21, 1983	(3)	1,602
	со геналу						

							P.96
No.	Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of survey team members dispatched	Survey t actual expendit (1,000 y
	Appraisal and Survey on Mining Industry Investment and Finance	(India, Malaysia, Singapore) Explanation of treasury investment and loan system and of searching out new clients	1982	Financial cooperation	10. 6, 1982 ~ 10. 20, 1982	(4)	(1,4
	Survey on Scrutiny of Forestry Develop- ment Treasury Invest- ment and Loan, etc.	(Malaysia, Thailand)	1982	Financial cooperation	8. 2, 1982 - 8, 16, 1982	(4)	(1,6
	Financial Cooperation	(Indonesia, Malaysia) Explanation of treasury investment and loan system and of searching out new clients	1983	Financial cooperation	3. 20, 1984 - 3. 31, 1984	(4)	(1,4
	Survey on Scrutiny of Forestry Develop- ment Treasury Invest- ment and Loan, etc.	Post-loan survey of facilities associated with para rubber development in Malacca and forestry development in Salwak	1984	Financial cooperation	5. 6, 1984 - 5. 16, 1984	3	2,1
	Appraisal and Survey on Mining Industry Investment and Finance	Before-Loan Survey of facilities associated with Trenganu Complete Steel Manufacturing Plan and Malaysian Plate Glass Plant, Experimental Business of Karion Development and Tin Mine Application Development	1984	Financial cooperation	10. 11, 1984 - 10. 23, 1984	5	3,4
	Appraisal and Survey on Asian Investment and Finance	(Malaysia, Singapore, Hong Kong) Explanation of treasury investment and loan system and of searching out new clients	1985	Financial cooperation	4. 7, 1986 - 4. 19, 1986	(5)	(1,2
	: :		1986				
	:		Cumulative total				1,2
	·						

				Sur	vey teams			Expert	8	Equipment	supply	Grand
Project name	Summary	Fiscal year	Type of survey	Survey terms	Number of staff members	Expendi- tures (1,000 yen)	Number exper On- going		Expendi- tures (1,000 yen)	Names of major equipment items	Expendi- tures (1,000 yen)	total of expendi- tures (1,000 yen)
Experimental Jusiness of Johns Unused Pree Development	Prior survey of plywood manu- facturing experimental business using para rubber waste materials in Segamatt in Johre	1986	Finan- cial coopera- tion	7.14, 1986 - 7.26, 1986	5	3,644						3,644
					i englatie New York Personal Ca							
												:
										· · · · ·		
		•				1.5						

Project name	Fiscal year	Number of specialists	Terms of dispatching	Specialist Actual expenditures (1000 yen)	Contents of technical instruction
Technical Guidance on Strait of Malacca Navigation Assisting Facilities Construction	1976	1	11. 22, 1976 - 12. 22, 1976		
(1)	1977	1	10. 24, 1977 - 11. 13, 1977		
11	ıı	1	2. 14, 1978 - 3. 6, 1978		
υ	1978	3	3. 20, 1979 - 3. 29, 1979		
U	1979	1	7. 24, 1979 - 8. 17, 1979	812	
н	Ħ	2	3. 9, 1980 - 3. 28, 1980	012	
Navigation of Strait of Malacca (Indonesia, Malaysia, Singapore)	1981	(1)	2. 3, 1982 - 2. 17, 1982	(205)	
11	t)	(2)	2. 15, 1982 - 3. 2, 1982		
Navigation of Strait of Malacca (Indonesia,	1982	(1)	7. 7, 1982 - 7. 24, 1982		
Malaysia, Singapore)		(1)	7. 8, 1982 - 7. 16, 1982		
		(1)	7. 22, 1982 - 8. 9, 1982	(617)	
		(1)	11. 10, 1982 - 11. 18, 1982		

Project name	Fiscal year	Number of specialists	Terms of dispatching	Specialist Actual expenditures (1000 yen)	Contents of technical instruction		
Navigation of Strait of Malacca (Indonesia,	1982	(1)	11. 17, 1982 - 12. 17, 1982				
Malaysia, Singapore)		(1)	2. 19, 1983 - 3. 6, 1983				
Malacca Strait Maritime Navigation Aids	1983	(1)	8. 9, 1983 - 9. 8, 1983		Association of Strait of Malacca gives technical guidance on construction plans, maintenance and control regarding beacon completion in the Strai		
(Indonesia, Malaysia, Singapore)	(t	(1)	10. 25, 1983 - 11. 27, 1983		of Malacca based on the recommendation of the Intergovernment Maritime Organization (IMO).		
	н	(1)	11. 17, 1983 - 12. 14, 1983	(693)			
	•	(1)	11. 30, 1983 - 12. 14, 1983				
		(1)	2. 5, 1984 - 3. 6, 1984				
Malacca Strait Maritime Navigation Aids (Indonesia, Malaysia,	1984	(1)	7. 17, 1984 - 8. 5, 1984				
Singapore)	11	(1)	8. 1, 1984 - 8. 31, 1984				
	10	(1)	11. 1, 1984 - 11. 16, 1984	(1,041)	Do.		
	11	(1)	1. 22, 1985 - 2. 21, 1985				
	ei .	(1)	3. 7, 1985 - 3. 30, 1985				
		(2)	3. 11, 1985 - 3. 30, 1985				

Project name	Fiscal year	Number of specialists	Terms of dispatching	Specialist Actual expenditures (1000 yen)	Contents of technical instruction
Navigation of of Strait of Malacca (Indonesia,	1985	(2)	7. 30, 1985 - 8. 24, 1985		
Malaysia, Singapore)		(1)	9. 16, 1985 - 10. 2, 1985		
		(1)	1. 22, 1985 - 2. 22, 1985	(748)	
		(1)	3. 7, 1986 - 3. 15, 1986		
		(1)	3. 19, 1986 - 3. 30, 1986		
Construction of Facilitie Assisting Navigation in	1986	(1)	7. 14, 1986 - 8. 13, 1986		
the Strait of Malacca (Indonesia, Malaysia, Singapore)		(1)	8. 13, 1986 - 8. 22, 1986		
		(1)	10. 25, 1986 - 11. 30, 1986		
		(1)	11. 21, 1986 - 11. 30, 1986		
		(1)	11. 28, 1986 - 12. 14, 1986	(911)	
		(1)	12. 3, 1986 - 12. 14, 1986		
		(1)	1. 19, 1987 - 2. 21, 1987		

Project name	Piscal year	Number of specialists	Terms of dispatching	Specialist Actual expenditures (1000 yen)	Contents of technical instruction
Construction of Facilities Assisting Navigation in	1987	(1)	6. 15, 1987 - 7. 18, 1987		
the Strait of Malacca (Indonesia, Malaysia, Singapore)		(1)	11. 18, 1987 - 12. 21, 1987		
		(1)	1, 31, 1988 - 2, 11, 1988	(663)	
		(1)	2. 29, 1988 - 3. 14, 1988		
		(1)	2. 29, 1988 - 3. 14, 1988		
	Cumu- lative total			(5,690)	
	· · · · · · · · · · · · · · · · · · ·				

Part 2. Acceptance of Trainee					P.102
Training subject	Fiscal year	Number of trainees	Training terms	Training Institute	Actual cost (thousand yen
Training of Agricultural Development Project Leaders through a Agricultural Cooperative	1974	2	3. 5, 1975 - 3. 28, 1975	Promotion Organization of Asian Agricultural Cooperative Associations	1,440
Training of Forestry Development Project Leaders	i ti	2	3. 8, 1975 - 3. 31, 1975	Japan Forestry Development Association	
Oil Palm Joint Venture	1975	1	2. 10, 1976 - 3. 6, 1976	Overseas Agricultural Development Association	444
Extermination of Diseases and Harmful Insects (Fruit and Vegetables)	1978	1	7. 3, 1978 - 8. 2, 1978	Tomatsu Plantation	1,006
	Cumu- lative total				2,890

	(Trainees) (Experts)	(Survey Team) (Total)	
(Total of Development Cooperation Programmes)	2,890 5,690	116,941 125,52		
	(Trainees) (Experts) (Survey (Volunteers) Team)	(Equipment (Other) supply)	(Total)
(Malaysia, Total for All Business Programmes)	6,983,193 6,632,427	11,674,710 3,885,425	4,450,462 585,569	34,211,786

