# JAPAN INTERNATIONAL COOPERATION AGENCY

# annual report 1983

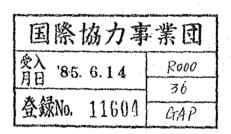


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annual report 1983



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### JAPAN INTERNATIONAL COOPERATION AGENCY

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### FOREWORD

As shown in this Annual Report, the Japan International Cooperation Agency conducts diversified operations. In particular, of Japan's Official Development Assistance (ODA), JICA implements almost all of the technical cooperation based on government-to-government agreements, and promotes a major part of the technical cooperation-related grant capital assistance projects.

As already announced, Japan's net ODA expenditure for 1982 was \$3,023 million (¥752,900 million), down 4.7% on a dollar basis from the previous year. When the New Medium-Term Target for Japan's ODA was set in 1981, the government made an international pledge to more than double the amount of ODA (about \$10,700 million) extended during the latter half of the 70's in the first half of the 80's. It is regrettable that the performance in 1982, the second year of the target

period, showed a decrease.

On the other hand, technical cooperation for 1982 showed an increase of 3.8% on a dollar basis, or 17.3% on a yen basis, from \$378.4 million (¥83,450 million) for 1981 to \$392.9 million (¥97,850 million) for 1982. The Agency carried out two-thirds of Japan's technical cooperation mainly in training of overseas participants, dispatch of Japanese experts, survey teams and Japan Overseas Cooperation Volunteers, and supply of equipment. This showed that in 1982 the Agency continued to fulfill its assigned important task of international cooperation.

Future expansion of technical cooperation is one of the most important tasks of Japan, which results in improvement of the quality of Japan's ODA. The Agency intends to continue its efforts to improve its operations in quantity and

quality.

The Present Report contains detailed information on JICA's performance in fiscal 1982. I hope that it will be read by people in wide circles and will serve for a better understanding of international cooperation of JICA.

November 1983

Keisuke Arita

President

Japan International Cooperation Agency

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# Part I

The Japan International Cooperation Agency and its Functions

# The Japan International Cooperation Agency and its Functions

### 1. History and Functions

The Japan International Cooperation Agency (hereinafter referred to as "the Agency" or "JICA") was established on August 1, 1974 under the Japan International Cooperation Agency Law (Law No. 62, 1974) as an executing organ of Government-sponsored technical cooperation for developing countries and as an agent to administer emigration services. At the time of its establishment, the Agency took over the functions of the then existing Overseas Technical Cooperation Agency, established in 1962 for the purpose of providing overseas technical cooperation, and those of the then Japan Emigration Service instituted in 1963. At that time, the Agency also absorbed all the functions of the Japan Overseas Agricultural Development Foundation and assumed new responsibilities including development cooperation and recruiting and training of qualified Japanese experts for technical cooperation.

The Agency performs its activities for international cooperation in accordance with the Japan International Cooperation Agency Law under the supervision of the Ministry of Foreign Affairs, the overall authorities, as well as of the Ministry of Agriculture, Forestry and Fisherics and the Ministry of International Trade and Industry, which are responsible for specific matters under their jurisdiction. For the smooth and efficient discharge of its duty for international cooperation, the Agency is striving to obtain a wide range of cooperation from the relevant government agencies, local public bodies and private organizations in Japan by keeping close contact with them and to act in concert with the governments of developing countries and the related international organizations.

The functions of the Agency fall under the following categories:

- (1) Government-sponsored technical cooperation
- (2) Grant-aid cooperation promotion programme
- (3) Dispatch of Japan Overseas Cooperation Volunteers (JOCV)
- (4) Development Cooperation Programme (Investment in and financing of development projects)
- (5) Emigration services
- (6) Recruiting and training of qualified Japanese experts for technical cooperation

The fund required by the Agency for carrying out its technical cooperation activities is budgeted by the Japanese Government under its Official Development Assistance (ODA) Programme. The share of the Agency in the total expense for technical cooperation of the Government in calendar year 1982 was 66.0%.

### 2. Budget

The budget of the Agency consists of Grants, Investments and Funds in Trust. The amount of the initial budget of the Agency for fiscal 1982 was ¥76,955 million, comprising ¥66,079 million for Grants, ¥5,068 million for Investments and ¥5,808 million for Funds in Trust.

The actual expenditure by the Agency in relation to technical cooperation in fiscal 1982 amounted to ¥60,313,867 thousand, including the expense brought forward from 1981. Fig. 2 shows the expenditure by programme and Fig. 3 shows its distribution by area.

Fig. 1 Expenditure of Technical Cooperation Programme (Calendar Year 1982)

Unit: U.S. \$10,000

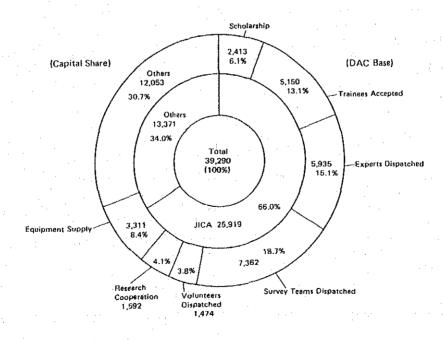


Table 1. Trend of JICA's Budget

(Unit: Million yen)

	Year Expenses	1979	1980	1981	1982	% compared with previous year
	Grants	46,800	54,585	61,010	66,079	108.3
1	Working Expenses	36,059	43,302	49,009	53,006	108.2
(1)	Expenses for Overseas	5,752	6,735	7,786	8,466	108.7
(~)	Trainces Accepted	,				
(2)	Expenses for Experts	5,585	6,709	7,385	7,991	108.2
(-)	Dispatched	-				•
(3)	Expenses for Develop-	8,617	10,285	11,542	12,308	106.6
(-,/	ment Surveys					1
(4)		2,939	3,431	3,918	4,632	118.2
1.7	Cooperation	·				and the second
(5)	Expenses for Equipment	835	976	1,068	1,339	125.4
(-7	Supply					
(6)	Expenses for Health	2,676	3,180	3,533	3,652	103.4
` '	and Medical Cooperation	•				
(7)	Expenses for Population	-	460	519	661	127.4
` '	and Family Planning	•			· ·	
(8)	Expenses for Agricultural	4,367	5,236	5,756	6,211	107.2
	and Forestry Develop					4
	ment Cooperation		•			
(9)	Expenses for Experts'	112	250	299	334	111.7
` '	Welfare		-			1
(10)	Expenses for Recruiting	467	539	633	683	107.9
	& Training Qualified			•	+ 4 · · · ·	
	Persons for Technical		100			
	Cooperation					
(11)	Expenses for Develop-	613	680	706	743	105.2
	ment Cooperation					•
(12)	Expenses for Industrial	779	1,030	1,196	1,296	108.4
. ,	Development Cooperation					
(13)	Expenses for Promotion	63	70	86	94	109.3
. ,	of Grant Aid Cooperation		٠.	100		
(14)	Expenses for Overseas	3,250	3,271	4,083	4,597	112.6
	Cooperation Volunteers				-	
(15)	Other (adjustments)	·	<del></del>	500	_	
2.	Working Expenses for	1,601	1,773	1,835	1,910	104.1
	Emigration Service					
3.	Administrative Expenses	9,140	9,510	10,167	11,163	109.8
					•	

	Year Expenses	1979	1980	1981	1982	% compared with previous year
 [1.	Investments	3,211	3,341	4,260	5,068	119.0
1.	Expenses for Facilities	1,761	1,841	2,710	3,418	126.1
2.	Funds for Investment in and Financing of Development Projects	400	100	100	200	200.0
3.	Funds for Investment and Financing for	1,050	1,400	1,450	1,450	100.0
	Emigrants	1				
111.	Funds in Trust	4,362	4,842	5,486	5,808	105.9
1.	Funds in Trust for Survey on Overseas Development	4,039	4,742	5,291	5,808	109.8
(1)	Expenses for Surveys on Overseas Development	2,479	3,017	3,411	3,701	108.5
(2)	Expenses for Basic Surveys on Resources	1,560	1,725	1,880	2,107	112.1
	Development Cooperation		2.3			
2.	Expenses for the South- east Asian Fisheries	323	100	195	. –	· · —
٠	Development Centre			:		
	Total	54,373	62,768	70,756	76,955	108.8

Table 2. Expenses of JICA by Type of Cooperation

	1979	6	1980		1981	-	1982		Total (1954–1982)	-1982)
Expense & Person Type of Cooperation	Expense (¥Million)	Person	Expense (*Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person	Expense (¥Million)	Person
1. Trainees	5,805 (14,2%)	3,124	6,891 (14,8%)	3,393	8,047 15,0%)	3,772	8,382 (13,9%)	3,858	60,182 (16,2%)	46,087
2. Experts	9,544 (23.4%)	944	11,131 (24.0%)	1,543	13,852 (25.7%)	1,681	16,018 (26.5%)	1,470	95,450 (25.6%)	13,771
3. Survey Teams	13,403 (32.8%)	2,762	14,659 (31,5%)	3,349	15,972 (29.7%)	4,168	19,219	4,454	105,588 (28.3%)	27,899
4. Volunteers	2,861 (7.0%)	348	3,350 (7.2%)	410	3,817 (7.1%)	44	3,609	441	29,850 (8.0%)	4,403
5. Emigration	284 (0.7%)	549	267 (0.6%)	594	186 (0.3%)	009	142 (0.2%)	357	1,145 (0.3%)	71,848
6. Equipment Supply	6,997 (17.1%)	1	7,877 (17.0%)	1 1	10,399 (10.3%)	I	10,474 (17.4%)	i	69,479 (18.7%)	4
7. Others	1,947 (4.8%)	I	2,270 (4.9%)	Ī	1,576 (2.9%)	·   	2,469 (4.1%)	•	10,841 (2.9%)	
Total	40,841 (100.0%)		46,445 (100.0%)	·	53,849 (100.0%)		60,314 (100.0%)	  -	372,535 (100.0%)	

Fig. 2 Expenses by Programme of Technical Cooperation (1982)

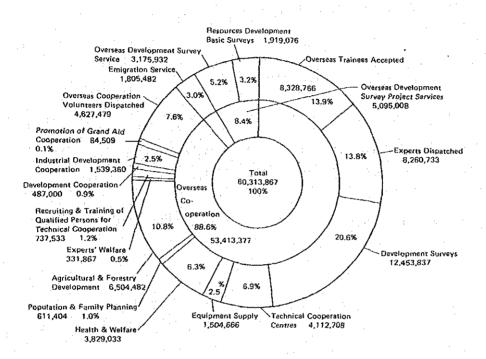
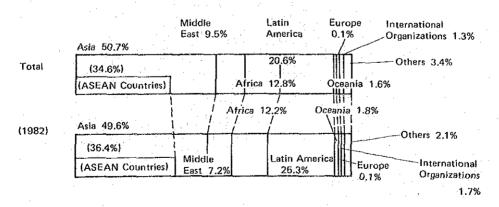


Fig. 3 Expenses for Technical Cooperation by Region



### 3. Overview of the Operations in Fiscal 1982

Training for Overseas Trainces: the number of trainees accepted in fiscal 1982 was 4,532 including those in training from the preceding year on.

Expert Dispatch: in fiscal 1982, the number of experts who served abroad reached 2,520 including those in service from the preceding year on.

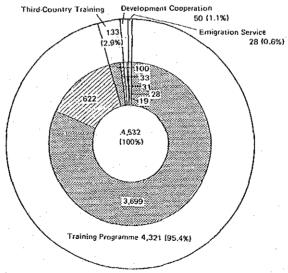
Survey Team Dispatch: the number of survey team members dispatched in fiscal 1982 was 4,670 including those in service from the preceding year on.

The Japan Overseas Cooperation Volunteers Programme: in fiscal 1982, 441 new volunteers were sent overseas, and the total number with those in service from the preceding year on reached 1,392.

Equipment Supply: in fiscal 1982, ¥10,470 million worth of equipment was granted.

### Training Classified by Programmes (1982)

Unit: Person

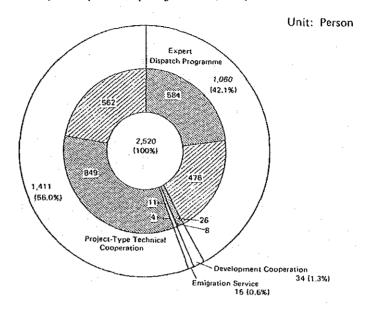


New

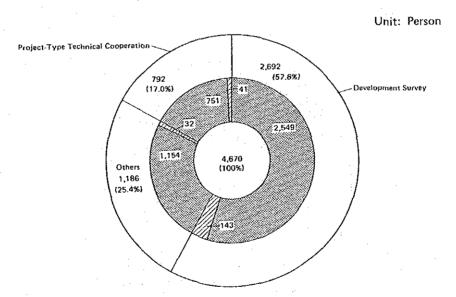


Continued from the preceding year

### Expert Dispatched by Programmes (1982)

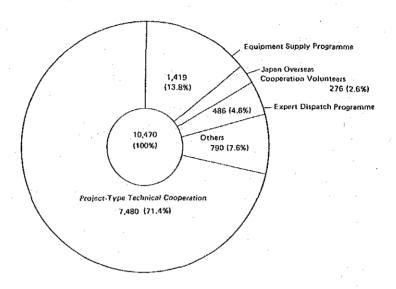


### Survey Team Dispatched by Programme (1982)



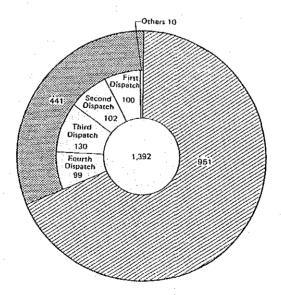
Equipment Supplied by Programme (1982)

Unit: Million Yen



Japan Overseas Cooperation Volunteers Programme (1982)

Unit: Person



# Part II

Performance of Japan International Cooperation Agency in Fiscal 1982

### Chapter 1.

# Government-Sponsored Technical Cooperation

### Section 1. Training Programme

### 1. Outline

Japan has been providing courses for overseas trainces ever since it joined the Colombo Plan in 1954.

Two types of training are provided in Japan for them. One is Group Training, for which courses are organized according to the greatest common needs of developing countries. The number of courses of this type averages 181 each year. The other is Individual Training, for which courses are organized in accordance with specific requirements of a region or a country. The latter type includes the training of local counterparts of Japanese experts in Japan-assisted projects with a view to improving the efficiency of project implementation, as well as the training requested by United Nations and other international organizations. The trainees comprise mainly administrative officers, researchers and middle-level technicians from the public bodies and private sectors and are limited to those who have been recommended by the government concerned.

Curricula are prepared with due consideration given to the general needs of developing countries in the case of group training and to the specific needs in the case of individual training. Training is offered at eight centres operated by the Agency, and at other special training institutes with the cooperation of research and experiment stations of various government agencies, local bodies, universities, private enterprises, public corporations and others.

### Performance in FY 1982

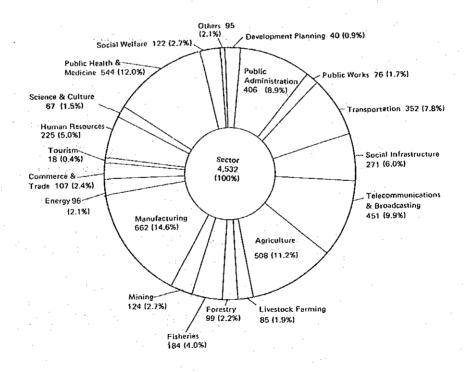
The number of trainees including project counterpart trainees accepted in fiscal 1982 was 4,532 (3,858\*), including those in training from the preceding year on, and the cumulative total accepted since 1954 has reached 46,087. Of the total number, 4,532, 2,560 (56.5%) were from Asia, 1,088 (24.0%) from Latin America, 408 (9.0%) from the Middle East, 405 (8.9%) from Africa, 60 (1.3%) from Oceania and 11 (0.3%) from other regions. By country, 416 were from Indonesia, 406 from Thailand and 286 from the Philippines. Sector-wise, 876 (19.3%) were in agriculture, forestry and fisheries, 544 (12.0%) in public health & medicine and 451

(9.9%) in telecommunications & broadcasting. The performance of the training programme for participants in fiscal 1982 by country and sector is shown in the appendix.

\* The number in parenthesis shows trainees newly accepted in FY 1982.

Trainees are also accepted in the field of development cooperation and emigration.

Fig. 1 Number of Trainees Accepted by Sector and Region (1982) (including those in training from the preceding year on)



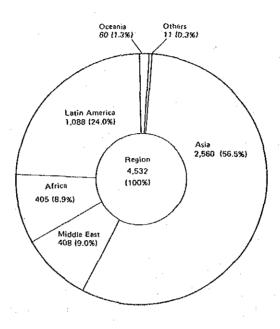
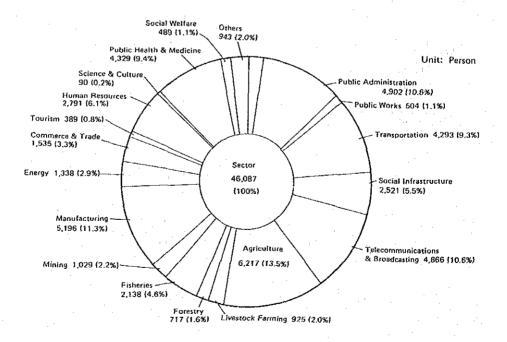
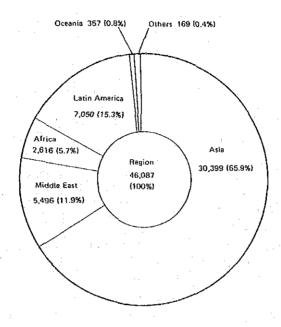
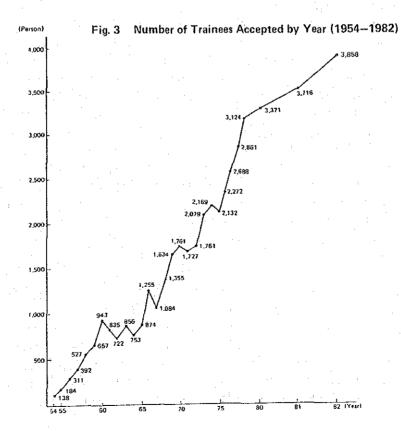


Fig. 2 Total Number of Trainees Accepted by Sector and Region (1954-1982)







### Section 2. Expert Dispatch Programme

### 1. Outline

The expert dispatch programme has expanded year by year since 28 experts were sent to Southeast Asia in fiscal 1955, with its cumulative total reaching 7,007 by the end of fiscal 1981.

The experts dispatched from Japan are assigned mainly to government agencies, research and experiment stations, construction works, academic institutions, or training institutes of recipient countries to engage in planning, survey and research, providing guidance and instructions, and giving advice for development projects.

In selecting experts or engineers for assignment abroad, the Agency requests the related government organizations to recommend qualified persons or picks up qualified persons from among the candidates registered with the Agency. Those who have been selected are given orientation on local conditions and other related matters and are trained in foreign languages and specific technology before their departure for the assigned country.

The number of the recipient countries of experts has increased extending from Asia to the Middle East, Africa, Latin America and Oceania. These experts work in joint research centres where Japanese and local researchers work together on problems of development, in various international organizations including the Southeast Asia Fisheries Development Centre whose secretariat is located in the suburbs of Bangkok, Thailand, and in various other places.

Beside this programme, experts are also sent for Project-type Technical Cooperation Programme described in Section 4, Development Survey Programme described in Section 5 and Development Cooperation Programme (Investment in and Financing of Development Projects) described in Chapter 4, though the number of experts assigned under the last programme is rather small. These programmes will be discussed under respective sections and chapters.

### 2. Performance in 1982

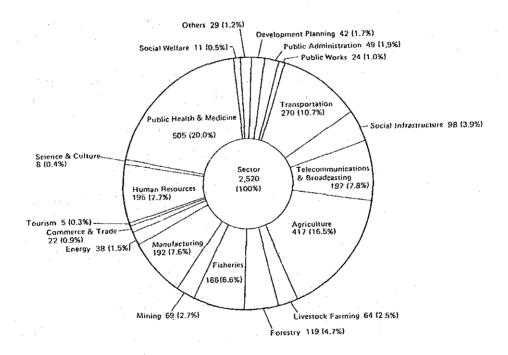
In 1982, the number of experts who served abroad reached 2,520 (1,470)\* and the cumulative total dispatched since 1955 has reached 13,771. By region, 1,546 (61.3%) experts were assigned to Asia, 525 (20.8%) to Latin America, 158 (6.3%) to the Middle East, 218 (8.7%) to Africa, 49 (1.9%) to Oceania and 20 (0.8%) to others. By country, 317 experts were assigned to Indonesia, 104 to China, 409 to Thailand and 85 to Malaysia. Sector-wise, public administration accounted for 49 (1.9%) experts, transportation 270 (10.7%), agriculture, livestock farming,

forestry and fisheries 766 (30.3%). Performance of the expert dispatch programme in fiscal 1982 by region, country and sector is shown in the appendix.

\* The number in parenthesis shows experts newly dispatched in FY 1982.

Fig. 1 Number of Experts Dispatched by Sector and Region (1982) (including those in service from the preceding year on)

Unit: Person



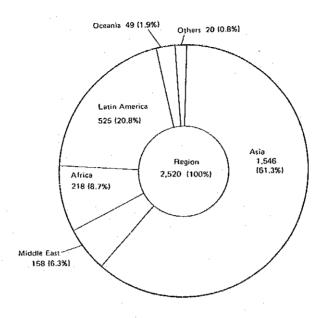
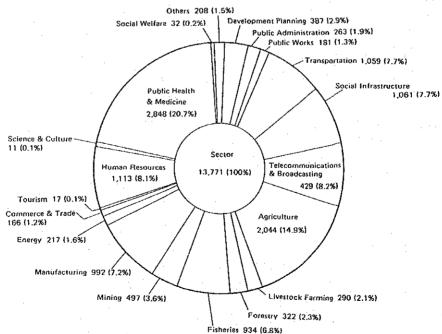


Fig. 2 Total Number of Experts Dispatched by Sector and Region (1955-1982)

Unit: Person



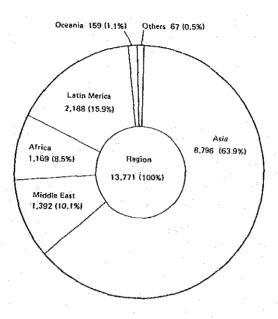
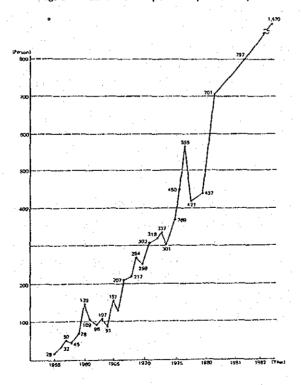


Fig. 3 Number of Experts Dispatched by Year



## Section 3. Equipment Supply Programme

### 1. Outline

The equipment supply programme was initiated in 1964 as part of Japan's technical cooperation. The objective of the programme is to contribute to the economic and social progress of developing countries through supply of needed equipment at the request of the countries which, though acquired certain levels of technical skills and experiences, cannot carry out training of personnel and transfer and dessemination of technology effectively, or cannot utilize the existing technology efficiently for lack of appropriate equipment.

Principal equipment for the purpose includes, (1) that which makes more effective the work of the assigned experts described in Section 2, (2) that needed by the counterparts of the country concerned to continue their services after Japanese experts left, and (3) that needed by the repatriated trainees for using effectively their knowledge and skill gained in Japan. The programme is designed to increase the effectiveness of technical cooperation through, so to speak, an organic combination of man and equipment.

The equipment supplied under this programme has a wide range including agricultural instruments and machinery, machine tools, textile machines, fishing equipment, refrigerated vans for marine products, electron micro-scopes and telecommunications and broadcasting equipment.

The supply of equipment by the Agency is done not only under this programme but also under the Project-type Technical Cooperation Programme described in Section 4 and Japan Overseas Cooperation Volunteers Programme described in Chapter 3, which will be discussed in detail later.

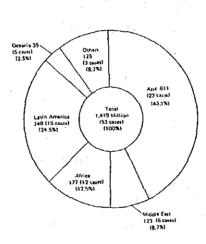
### 2. Performance in 1982

In 1982, ¥1,419 million worth of equipment was supplied in a total of 64 cases. By region, Asia accounted for 23 cases amounting to ¥611 million (43.1%), the Middle East 6 cases amounting to ¥123 million (8.7%), Africa 12 cases amounting to ¥177 million (12.5%), Latin America 15 cases amounting to ¥348 million (24.5%), Oceania 5 cases amounting to ¥35 million (2.5%) and other region 3 cases amounting to ¥125 million (8.7%).

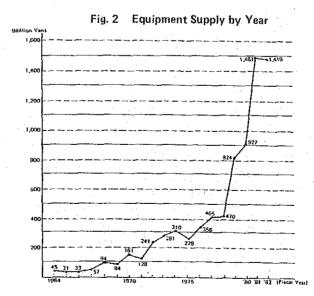
AREA COUNTRY	FACILITIES
ASIA	Bangladesh Agricultural Research Institute
Bangladesh	Ministry of Works & Housing
India	Water Resources Development, Ministry of Public Works
Indonesia	Korea Advanced Energy Research Institute
Korea	
Laos	Ministry of Agriculture, Hydraulic Agricultural Cooperative
Malaysia	The Standards & Industrial Research Institute of Malaysia
Nepal	Department of Mines & Geology, Ministry of Industry
Philippines	National Irrigation Administration
•	KKK, Ministry of Human Settlements
Sri Lanka	Ministry of Higher Education
Thailand	Language Institute, D.T.E.C.
, nanuna	Faculty of Science, Chiang-Mai University
	Foot and Mouth Disease Vaccine Production
	Department of Public Welfare, Ministry of Interior
	Department of Fuone wenter, winners of meetor
MIDDLE EAST	
Egypt .	Planning, Research & Engineering Project, Suez Canal Authority
Maracca	Ministry of Artisan & Social Affairs
Syria	Ministry of Public Works & Hydraulic Resources
Tunisia	O.T.T.E.E.F.P. Ministere des Affaires Socials
Turkey	Gulhane Military Medical Faculty
Yemen	Ministry of Municipalities and Housing
AFRICA	
Ethiopia	Water Supply & Sewerage Authority
Gabon	Ministry of Agriculture and Livestock
Ghana	Tema Technical Institute, Ministry of Education
	Inspector-General of Police
Ivory Coast	Centres Hospitaliers et Universitaires de Treichville
Kenya	Nyeri Industrial Estate, Kenya Industrial Estates Ltd.
Nigeria	Nigerian Institute for Oceanography & Marine Research
Senegal	l'Oceanographic et des Peches Maritimes
Zaire	Institut National de Preparation Professionnelle
Zambia	Central Veterinary Research Institute
Zanibia	Ministry of Information and Broadcasting Service
LATIN AMERICA	
Bolivia	Corporacion Minera de Bolivia
BUNAIS	Ministry of Peasant Affairs & Agriculture
Colombia	National University of Colombia
Colombia	Direction General de Telecomunicaciones
Deminican Republic	Ministry of Education & Youth Affairs
Dominica	Instituto Nacional de Formacion Profesional
Honduras	Jefe de Estado Mayor de la Casa Predidencial
	Ministry of Communications and Transports
Mexico	Ministry of Communications and Transports  Direction de Recursas Minerales del Ministerio de Comercio e Industrias
Panama	Direccion de Recuisas ministares del ministerio de Comercio e madarina
Paraguay	Ministry of Agriculture and Livestock
Peru	Instituto Geofisico del Peru

AREA COUNTRY	FACILITIES	
Peru Uruguay	Hospital Arzobispo Loayza, Ministerio de Salud Publica Instituto de Investigaciones Biologicas Clemente Estable	
OCEANIA Fiji	Ministry of Agriculture	
Tonga Western Samoa Kiribati	Ministry of Education Western Samoa Technical Institute Ministry of National Resource, Fisheries Division	

Fig. 1 Equipment Supply by Region (1982)



Unit: Million Yen



### Section 4. Project-Type Technical Cooperation Programme

The form of technical cooperation includes "Acceptance of Trainers", "Dispatch of Experts" and "Supply of Equipment and Materials" as described in Sections 1 through 3. The Agency provides these 3 forms of technical cooperation singly or in combination. The term "Project-type Technical Cooperation" as used by the Agency means integrated technical cooperation from planning to implementation, which combines these three forms and is carried out systematically and comprehensively in the country concerned.

Under the programme of this type, the Agency provides technical cooperation through the dispatch of survey teams, assignment of experts, supply of equipment and materials and acceptance of counterparts related to planning of project, selection of project site, preliminary survey, preparations, implementation, and follow-up evaluation after completion of the project in order to insure effective cooperation.

The counterparts are accepted under the training programme described in Section 1.

In implementing such a project the recipient country provides land and buildings, and manages the project as a rule. There has been increasing cases in recent years in which construction of facilities for the project is also covered by a grant and provided by Japan. Through such an organic combination of technical and financial cooperation, a greater effect can be expected.

The Project-type Technical Cooperation being implemented by the Agency includes (1) Technical Cooperation Centre Programme, (2) Health and Medical Cooperation Programme, (3) Population and Family Planning Cooperation Programme, (4) Agricultural, Forestry and Fisheries Cooperation Programme and (5) Industrial Development Cooperation Programme.

### (1) Technical Cooperation Centre Programme

### 1. Outline

Technical Cooperation Centres are designed to train engineers and skilled workers whose services are essential for the socio-economic progress of developing countries and they can be broadly classified as follows:

(1) Cooperation in the development of manpower resources aimed at upgrading engineers and skilled workers.

(2) Cooperation in research and development and in experimental works involving tests for practical application.

(3) Cooperation in development and improvement of production techniques.

(4) Cooperation in vocational training.

However, some centres do not come under either of these categories but have multiple functions.

### 2. Performance in 1982

In 1982, this programme covered a total of 49 centres; centres (8) under preliminary survey, on-going centres (37) and aftercare services (4). (See the Performance of Technical Cooperation Centre Project in Fiscal 1982).

Meanwhile, the Agency dispatched 47 survey teams and 355 experts to centres and accepted 113 counterparts from them. In addition, training materials worth 1,569 million yen were supplied as part of the programme.

Performance of Technical Cooperation Centre Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
ASIA		
Burma	The Bridge Engineering Training Centre	79, 7.12 ~ 83, 7.11
	The Metallurgical Research and Development Centre	80. 5.14 ~ 84. 5.13
China	Preliminary Survey for Enterprise Management Training Centre in China	
Indonesia	The Sumatra Chemical Industry and Development Centre	81.11.19 ~ 86.11.18
	Sulawesi Industrial Vocational Training Centre	79, 2, 9 ~ 80, 2, 8
	Volcanic Sabo Technical Centre	82. 8.26 ~ 87. 8.25
	Centre for Vocational and Extension Service	83. 2.16 ~ 88. 2.15
Korea	Dacicon Vocational Training Institute	76. 3. 6 ~ 80. 3. 5
Malaysia	The Marine Engineering Training Centre	73.12. 3 ~ 82. 6. 2
•	National Metrological Laboratory of Standard and	81.12.17 ~ 85.12.16
	Industrial Research Institute	or the english of all
	The Metal Industry Technology Centre	78. 8.12 ~ 82. 8.10
	Centre for Instructor and Advanced Skill Training (CIAST)	81. 8.20 ~ 87. 8.19
Pakistan	The Central Telecommunication Research Laboratory	79. 3.22 ~ 84. 3.21
Philippines	The Transport Centre	77. 4.21 ~ 83. 4.11
	The Ceramic Research and Development Centre	80. 7.16 ~ 82. 7.15
	The Metal Casting Technology Centre	80. 7.28 ~ 84. 7.27
	The Telecommunications Training Institute	81. 4. 2 ~ 86. 4. 1
	Integrated Research and Training Centre, TUP	83.11. 3 ~ 87.11. 2
	Philippine Human Resources Development Centre, UL	82. 9. 9 ~ 87. 9. 8
Singapore	The Japan-Singapore Training Centre	78. 6.29 ~ 83. 6.28
	The Japan-Singapore Institute of Software Technology	80.12.18 ~ 85.12.17
	Japan-Singapore Technical Institute	83. 6.11 ~ 88. 6.10
Thailand	The Institute for the Skill Development in the Northeast of Thailand	78.12.12 ~ 82.12.11
	The King Mongkut's Institute of Technology	78.12.12 ~ 82.12.11

AREA COUNTRY	PROJECT	DURATION
Thailand	The Furniture Industry Development Centre	79.11.25 ~ 82.11.24
	Primary Health Care Training Centre	82.10. 1 ~ 87. 9.30
MIDDLE EAST	Contract to the contract of th	
Egypt	The Arab Maritime Transport Academy	76.11, 6 ~ 82.11, 5
Egypt	The Maintenance Vocational Training Centre	77. 1.30 ~ 82. 7.29
•	The Textile Research and Development	80,11, 7 ~ 85.11, 6
	Department of the National Research Centre	81, 8, 1 ~ 83, 7.31
	Cairo Transport Authority Tramcar Training Centre	82. 6. 1 ~ 82. 6.12
		81. 8. 1 ~ 83. 7.31
Iraq	The Iraq Electrical and Electronic Industries Training Centre	72. 6.12 ~ up to
Saudi Arabia	The Riyadh Electronics Technical Institute	operation
Tunisia	The National Fisheries Centre	81. 7. 1 $\sim$ 82.12.31
AFRICA		147 - 641
Kenya	National Youth Service Advanced Training Centre	75, 5.26 ~ 80, 5.25
Kenya	The Jomo Kenyatta College of Agriculture and Technology	80. 4.19 ~ 85. 4.18
	The Joing Kenyatta Conege of Agriculture and Technology	00. 4.17 00. 1110
LATIN AMERICA		1. Fig. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Bolivia	Instituto de Geologia Economica, Universidad de San Andres	82. 5.20 ~ 87. 5.19
Brazil	The SENAI Electrical and Electric Vocational Training Centre	79. 3.29 ~ 84. 3.28
Panama	The Panama National Educational Television Broadcasting	81. 2.11 ~ 86. 2.10
4	Project	and the first state of
	Centro de Formacion Profesional Panamero-Japones	82. 8.26 ~ 87. 8.25
Paraguay	The Vocational Training Centre	82. 2.24 ~ 83. 2.23
Peru	The Telecommunications Training Centre	79.11. 2 ~ 82.11. 1
	The Fish Processing Centre	82.10.13 ~ 83.10.12
Maxico	The Mexico-Japan Technological Education Centre	82. 4. 1 ~ 87. 3.31

### (2) Health and Medical Cooperation Programme

### 1. Outline

This Programme is designed to offer medical cooperation to developing countries suffering from epidemic and endemic diseases through training of medical students, prevention and research of tropical diseases and expansion as well as improvement of medical facilities. The programme also emphasizes the cooperation for the welfare of the citizens in these countries, through the improvement of public hygiene and environment.

### 2. Performance in 1982

In 1982, cooperation was offered to a total of 39 projects; projects (6) under preliminary survey, on-going projects (31) and aftercare services (2). (See the list of Performance of Health and Medical Cooperation Programme in Fiscal 1982)

Meanwhile, 31 survey teams were dispatched to the projects now under cooperation for the purpose of providing guidance and advice for project planning, including preliminary survey for the study of feasibility of cooperation in the future.

In addition; 474 experts were sent overseas and 96 counterparts were accepted. Equipment amounting to 1,706 million yen was supplied as part of this programme.

# Performance of Health and Medical Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
ASIA		
Bangladesh	Cardiovascular Disease Control	79. 2.22 ~ 84. 2.21
Burma	Communicable Disease Research and Control	80. 4.10 ~ 82. 4. 9
	The Development for the Pharmaceutical Technology	81. 7. 6 ~ 85. 7. 5
China	The China-Japan Friendship Hospital	81.11.19 ~ 84.11.18
India	Japanese Encephalitis Vaccination Production	82. 3.12 ~ 86. 3.11
Indonesia	Nursing Education	78.11. 3 ~ 83.11. 2
	Centre for Biomedical Research	75. 4. 1 ~ 82. 3.31
,	Promotion of Health in North Sumatra	78. 4. 1 ~ 83. 3.31
•	Drug Quality Control	83, 4, 1 ~ 88, 3.31
Korea	Centre for Cardiovascular	79. 3. 2 ~ 83. 3. 1
	Clinical Nutrition Research Centre	75.10. 1 ~ 79. 9.30
Nepal	Development of Basic Health Services in Western Region	73.10.28 ~ 81. 2.27
7	Tribhuvan University Medical Education	80. 6.20 ~ 85. 6.19
Philippines	The Institute for Tropical Medicine	80.10.17 ~ 85.10.16
Sri Lanka	Peradenia Teaching Hospital of Medical Department	80. 2.29 ~ 84. 2.28
Thailand	Promotion of Provincial Health Services	76. 4. 1 ~ 81. 3.31
	Nursing Education	
	National Cancer Institute	67. 4. 1 ~ 79. 3.31
MIDDLE EAST		
Afghanistan	Tuberculosis Control	74. 4. $1 \sim 83$ . 3.31
Algeria	The Medical Centre, the Oran University of Science and	78. 4. 1 ~ 83. 3.31
· mgorro	Technology	the second second
Egypt	Nursing Education and Research	78. 4. 1 ~ 83. 3.31
Tunisia	Drug Quality Control	82. 4. 1 ~ 83. 3.31
		And the second s
AFRICA		
Ghana	Medical School, Ghana University	68. 6. 8 ~ 85. 3.11
Kenya	Communicable Disease Research and Control	79. 3. 6 ~ 84. 3. 3
Nigeria	Jos University Medical Research	82. 7. 2 ~ 87. 7. 1
Zambia	Faculty of Medicine, University of Zambia	80. 2.21 ~ 85. 2.20
Euribia :	thouse, or more and a second	
LATIN AMERICA		
Bolivia	Gastroenterology	77. 4. $1 \sim 83$ . 3.3
Brazil	Biologicals Production	80. 8.13 ~ 83. 8.13
	Nucleo Interdepartamental de Imunopatologia of the	83. 4. 1 ~ 88. 3.3
	Federal University of Pernambuco Project	•
Colombia	The National Institute of Health Project	83. 4. 1 ~ 86. 3.3
Ecuador	Research of Microbial Control	82. 4. 1 ~ 84. 3.3
Guatemala	Onchocerciasis Research and its Control	75.10. 1 ~ 83. 9.30
Paraguay	Leprosy Control	80. 8.18 ~ 85. 8.1
Peru	Mental Health Services	80. 5.20 ~ 85. 5.19
reru Venezuela	Gastrointestinal Tract Cancer Control System	82. 4. 1 ~ 87. 3.3
ADURTHES	Gastionitestinal Hace Saltest States	
OCEANIA		
	Japan WHO Joint Technical Cooperation, Health Laboratory	81.12.15 ~ 86.12.1

# (3) Population and Family Planning Cooperation Programme

## 1. Outline

This programme, which had been part of the Health and Medical Cooperation Programme conducted until 1979, was separated from the latter and established as a new technical cooperation programme since 1980 in order to contribute to the promotion of the family planning in developing countries.

## 2. Performance in 1982

In 1982, cooperation was offered to a total of 6 projects; project (1) under preliminary survey and on-going projects (5) as shown in the performance of population and family planning cooperation programme in FY 1982. Meanwhile, 14 experts were sent overseas and equipment amounting to 466 million supplied.

Performance of Population and Family Planning Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	 DURATION
ASIA	······	A Company of the Company
Bangladesh	Family Planning	76. 3.29 ~ 86. 3.31
China	Family Planning	82.11.15 ~ 87.11.14
Indonesia	Family Planning	69.10.14 ~ 83. 3.17
Philippines	Family Planning	74. 4. $1 \sim 86$ . 3.31
Thailand	Family Planning	75, 4, 1 ~ 84. 3.31

# (4) Agriculture, Forestry and Fisheries Development Cooperation Programme

## 1. Outline

This programme is intended to provide assistance in agriculture, forestry and fisheries development of developing countries to contribute to increasing food production, improvement of farmers' income and living standards through the increase of productivity. The fields of cooperation cover rice cultivation, dry-field farming, livestock farming, forestry and fisheries. Forms of cooperation include: provision of technical guidance at agricultural extension centres and model extension farms of specific crops; provision of comprehensive guidance in the extension of advanced techniques at regional agricultural development centres to improve

infrastructure for increased production and promotion of farmers' organizations in each designated project area; assistance in agricultural research and experiment for enhancing research and development capacity of recipient countries.

## 2. Performance in 1982

In 1982, cooperation was extended to 49 agricultural, forestry and fisheries projects; a total of 458 experts were dispatched and agricultural vehicles, experiment and test equipment, chemicals and agricultural machines equivalent to 2,708 million yen were supplied.

Discussions were held and agreements were reached to offer cooperation on the following projects.

Performance of Agriculture, Forestry and Fisheries Development

Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
NSIA		<del></del>
Bangladesh	Central Extension Resources Development Institute Project	73. 1.31 ~ 83.10.12
<b></b>	Citrus and Vegetable Research Project	77.11. 3 ~ 83.11. 2
Burma	Pig and Poultry Development Project	78. 4.12 ~ 82. 4.11
	Forest Development Project in Arakan Range	77.12. 2 ~ 82. 3.31
Indonesia	The Strengthening of Legumes in relation to Cropping	70.10.23 ~ 83.10.22
111	System Research Project	
	Sericultural Development Project in South Sulawesi	78. 2.28 ~ 83. 2.27
	Project on South Sulawesi Regional Agricultural Develop-	76.12.23 ~ 82. 6.23
	ment Planning	
	Agricultural Products Processing Pilot Plant Project	77.11.14 ~ 82.11.1
	Middle Level Agricultural Technician Training Project	79. 3.29 ~ 84. 3.2
e *	Animal Health Improvement Programme	77. 7. 7 ~ 82. 7.
48.5%	Mountain Logging Practice Project in Java	78. $4.20 \sim 81. 6.1$
	Trial Plantation Project in Benakat, South Smatra	79. 3.12 ~ 84. 4.1
	Mariculture Research and Development	78. $8.31 \sim 82. 3.3$
	Remote Sensing Engineering Project	80. 4. 1 ~ 85. 3.3
4	Plant Protection Project	80. 6.18 ~ 86. 6.1
	Lampung Agricultural Development Project	72.11.14 ~ 82.11.1
Korea	Japan-Korea Joint Research Programme on Agriculture	74. 6. $7 \sim 82$ . 3.3
110100	Agro-meteorological Disaster Research Project	82.10. 1 ~ 85. 9.3
Malaysia	Water Management Training Project	77. 9. 3 ~ 82. 9.
Nepai	Janakour Zone Agricultural Development Project	$74.11. 7 \sim 82.11.$
Philippines	Capavan Integrated Agricultural Development Project	76. 2.27 ~ 84. 3.3
· muhhunes	Afforestation Project of the Pantabangan Area	76. 6.18 ~ 82. 7.3
Thailand	Irrigated Agriculture Development Project	77. 4. 8 ~ 84. 3.3
mananu	Animal Health Improvement Programme	77. 3. 2 ~ 84. 3.

AREA COUNTRY	PROJECT	DURATION
	Research and Development Project in Kasetsart University	80. 4.10 ~ 85. 4. 9
Thailand	The National Weed Science Research Institute Project	80. 4. 8 ~ 85. 4. 7
	The Coastal Aquaculture Development Project	81. 4. 1 ~ 86. 3.31
	Agricultural Extension and Agricultural Mechanization	81. 7. 1 ~ 86. 6.30
	in Kasetsart University Research and Training in Reafforestation Project	81. 7. 9 ~ 86. 7.28
MIDDLE EAST		The Property of the Property o
Egypt	The Rice Mechanization Pilot Project	81. 8.18 ~ 83.11.10
AFRICA		
Madagascar	Livestock Development Project in Northern Madagascar	77.11.11 ~ 83.11.10
Tanzania	Kilimanjaro Agricultural Development Centre Project	78. 9.13 ~ 82. 9.12
LATIN AMERICA		6.00 00 000
Brazil	Japan-Brazil Agricultural Research Project	77. 9.30 ~ 82. 9.29
	Agricultural Development Project in the Ribeira Basin	75. 3.10 ~ 84. 6.30
•	Forestry Research Project in Sao Paulo	79. 4. 1 ~ 84. 3.31
Chile	Aquaculture Project	79.10. 1 ~ 84.10. 1
Mexico	The Japanese Technical Cooperation for the Animal Centre Project	81. 6. 1 ~ 86. 5.31
Paraguay	Agriculture Development Project in the Southern Paraguay	79. 3.16 ~ 84. 3.15
, aregue)	Forestry Development Project in the Southern Paraguay	79. 3.16 ~ 84. 3.15
	Animal Reproduction Improvement Project	82.12. 3 ~ 87.12. 2
Uruguay.	Japan-Uruguay Vegetable Research Cooperation Project	78. 7.19 ~ 83. 7.18
OCEANIA		
. Fiji	Aquaculture Research and Development Project	81.11.18 ~ 85. 3.31

## (5) Industrial Development Cooperation Programme

## 1. Outline

This Programme is aimed at the effective utilization of locally available natural and human resources in developing countries for the development, promotion and growth of mining and manufacturing industries to expand employment opportunities.

In order to promote local industries in developing countries, not only the transfer of manufacturing technology but also the transfer of production-related techniques such as production control, business management, distribution and marketing and development of human resources, as well as the enhancement of research and development capability are equally important.

The Industrial Development Cooperation Programme was initiated in 1978 through reorganization of the former Primary Commodities Development Coopera-

tion Programme.

## 2. Performance in 1982

In 1982, cooperation was offered to a total of 20 projects. For these projects, equipment and materials worth 655 million yen were supplied, and a total of 110 experts were dispatched.

Performance of Industrial Development Cooperation Programme in Fiscal 1982

AREA COUNTRY	PROJECT	DURATION
ASIA		
Indonesia	Technical Cooperation on the Development of Building Materials	78. 7.19 ~ 82. 7.18
Nepal	Technical Cooperation on the Development of Cottage Industry	80.10. 9 ~ 84.10. 8
Pakistan	Technical Cooperation for Pakistan Industrial Technical Assistance Centre	82. 9.29 ~ 85. 9.28
Philippines	Technical Cooperation on the Development for Particle Board	82. 1.31 ~ 83. 3.18
Sri Lanka	Technical Cooperation for Appropriate Technology Research and Development Centre	82. 1. 7 ~ 86. 1. 6
Theiland	Technical Cooperation on the Development of Natural Rubber	82. 4. 1 ~ 83. 9.30
•	Processing Technical Cooperation Project on Maize Development	82. 9.17 ~ 84. 9.16
AFRICA		
Tanzania	Technical Cooperation for Kilimanjaro Industrial Develop- ment Centre Project	78. 9.13 ~ 82. 9.12
LATIN AMERICA		•
Brazil	Technical Cooperation on the Small and Medium Scale Industry	80.10. 2 ~ 84.10. 1
4 - 4	Technical Cooperation on the Pollution Control for Mining and Quarrying Activity	81. 9. 2 ~ 85. 9. 1
Chile	Technical Cooperation on the Development of Copper Smelting and Refining	81. 3.17 ~ 83. 3.16
Mexico	Technical Cooperation on the Technological Development of Mineral Processing and Metallurgy	79.12. 5 ~ 83.12. 4
Paraguay	Technical Cooperation on Wholesale Marketing System Improvement	81.12. 7 ~ 85.12. 6
Peru	Technical Cooperation on Mine Safety	77.10.28 ~ 81.12.31
- N	Technical Cooperation on Treatment Process of Copper Oxide Mineral	83. 7. 1 ~ 88. 6.30
	Technical Cooperation for the Improvement of Vegetable Distribution	83. 3.16 ~ 83. 9.15
Uruguay	Technical Cooperation for Pulp and Paper Quality	81. 9. 8 ~ 84. 9. 7
	Improvement	

# Section 5. Development Survey Programme

### Outline

This programme is intended to offer consultancy services through dispatch of teams composed of experts in field surveys and office work for development

projects of public nature in developing countries.

Promotion of comprehensive regional development projects and other development projects in the public sector bears closely upon the socioeconomic progress of developing countries, and it has often been the case that these countries lack the sufficient number of experts with high level of technology and wide experience to make the necessary judgement in the planning of such projects and capable personnel who, under the instruction of experts, can coordinate and organize the project planning. There are also many cases where the system, under which the engineers responsible for projects planning work in union, is inadequate. Accordingly, the Japanese government is frequently requested by these countries to cooperate in the planning of such comprehensive regional development projects or individual projects. To comply with such requests, the Agency condusts development surveys as part of its technical cooperation. By phase, the development surveys can be broadly classified as follows:

- (1) Surveys for formulating Master Plans
- (2) Surveys for drawing Maps and Marine Charts
- (3) Preliminary Surveys
- (4) Feasibility Studies
- (5) Surveys directly related to Financial Cooperation
- (6) Surveys directly related to Grant-Aid Programme
- (7) Surveys for Detailed Designs
- (8) Basic Surveys for Resources Development Cooperation
- (9) Surveys for Aftercare Services
- (10) Surveys for Resources in Forestry and Fisheries

## 2. Performance in 1982

The total number of survey team members dispatched in FY 1982 including those in service from the preceding year on has reached 4,670 (4,454)\*, the performance of which is shown by sector and region in the Fig. 1. Of this figure, 4,670, 2,549 experts or 294 teams were dispatched under the development survey programme, bringing the cumulative number of development survey team members to 15,386 since 1952, the performance of which is shown by sector and region in the

# Fig. 2. The development survey projects are listed by country in page 58 on.

\* The number in parenthesis shows survey team members newly dispatched in FY 1982.

Fig. 1 Number of Servey Team Members Dispatched by Sector and Region (1982) (including those in service from the preceding year on)

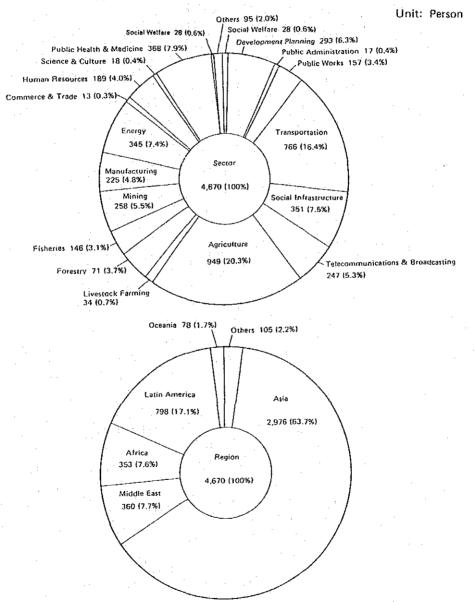
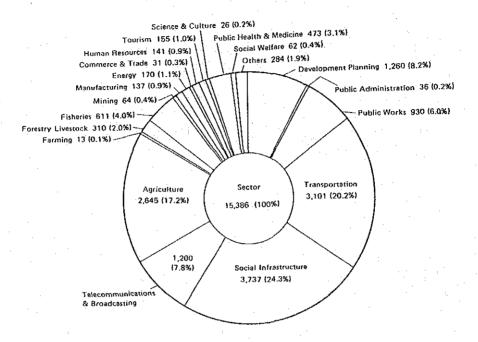
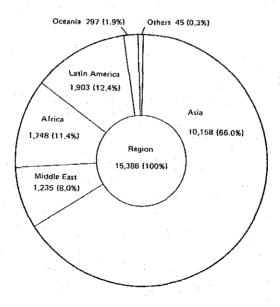


Fig. 2 Cumulative Number of Development Survey Team Members Dispatched by Sector and Region (1962—1982)





AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
ASIA		
Bangladesh	Survey for Establishment of Seed and Germplasm Resources Laboratory	6
	Survey for the Fish Net Factories Project	6
	Survey for Establishment of Pharmaceutical Formulation Plant for Production of Essential Drugs	6
	Survey for the Construction Project of General Hospital in Bangladesh	6
	Survey for Construction Project of Foodgrains Storehouses in Bangladesh	6
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Survey for Integrated Transport Project in Dhaka Metropolitan Area	1
Bhutan	Survey for the Agriculture Mechanization Project	6
Brunei	Survey for the Establishment of a Clinker Grinding Plant in Brunei	3
	(Preliminary)	
•	Survey for the Establishment of a Clinker Grinding Plant in Brunei	4
Burma	Survey for Railway Development in Burma	3
Dullina	Survey for the Construction of Dry-Dock in Burma	3
	Survey for Post-Harvest Technology Application Center in Burma	6
	Survey for the Improvement of the Production Facilities for School	6
	Text Books and Exercise Books	•
	Survey for the Project on the Establishment of the Youth Education	6
	Center	
• •	Survey for the Project on the Establishment of Fresh and Brackish Water Prawn Culture Center	6
	Survey for the Project on the Establishment of the Nurse College in Rangoon	6
	Survey for Central Agricultural Development Training Center Project	6
	Survey for Improvement and Expansion of Color TV Facilities in Burma	6
. "	Survey for Project Evaluation	. 11
China	Survey for the Sanko Heigen Ryutokyo Model Area Agricultural  Development Project in the People's Republic of China	4
	Survey for Factories (Refrigerater, Washing Machine) Modernization Programme	. 4
	Survey for Factory (Electronics for Household Use, Plastics) Moderniza-	3
	tion Survey for Factory ((Electronics for Household Use) Modernization	. 4
	Survey for Factory (Plastics) Modernization	4
	Survey for Pactory (Plastics) Modernization	4
	Survey for Factory (Plastics) Modernization	4
	Survey for Factory (Mechanism, Speaker) Modernization	
* * * * * * * * * * * * * * * * * * * *	Survey for Factory (Furniture, Glass, Optical Instrument) Modernization	. 4
	Survey for the Oh River Hydroelectric Power Development in China	8
Indonesia	Survey for Collaborative Mineral Exploration in China Survey for Electrification Study of Main Railway Lines in Java in the	3
	Republic of Indonesia	3 1
	Survey for Urban/Sub-Urban Railway Transportation Study in	3, 4
	"Jabotabek" Area (New Railway Line for Cengkareng Airport)	4
	Survey for the Development Project of Dumai Port in Indonesia	4
	Survey for Long Term Development of Maritime Communication	
	System	
	Survey for Sulawesi Terrestrial Transmission Network	4
	Survey for Urban Development Planning Study on Gerbangkertosusila	1,4
	Region (Surabaya Metropolitan Area)	

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIEI NO.
Indonesia	Survey for Water Supply Development Project in Jakarta	3
Indonesia	Survey for the Padang Area Flood Control Project in Indonesia	3, 4
	Survey for Urban/Sub-Urban Railway Transportation Study in	1,4
	"Jabotabek" Area Survey for the Development Plan of Bari International Airport in the	4
	Republic of Indonesia Survey for Telecommunication Networks Development Project for	1, 4
	Eastern Part of the Republic of Indonesia	4
	Survey for Urban Renewal Housing Plan in Jakarta	3
	Survey for Topographic Mapping Project in the Negara River Basin	
	Development	n
	Survey for Integrated Radio and Television Development Project in the Republic of Indonesia	3
	Survey for Nusa Tenggara Terrestrial Transmission Network in the Republic of Indonesia	. 3
	Survey for the Volcanic Debris Control and Water Conservation in the South Eastern Slope of Mt. Semeru	4
	Survey for North Banten Water Resources Development Project	4
	Survey for Long-Term Development Programs of International Tele- communications for Indonesia	1
	Survey for Lower Asahan River Basin Development Project in the Republic of Indonesia	3
	Survey for the Improvement of Post-Harvest Processing of Rice	4
	Survey for Bila Irrigation Project in the Republic of Indonesia	4
		4
	Survey for the Sanrego Irrigation Project in the Republic of Indonesia Survey for the Rice Pest Forecasting and Control Project in the	4
	Republic of Indonesia	
	Survey for K-C-C Irrigation Development Project	4
	Survey for Advisory Group for the Rice Seed Production and Distribu-	4
	tion Strengthening Project	
	Survey for the Establishment of Veterinary Assy Laboratory	6
	Survey for the Construction Project of the National Quality Control Laboratory	6
	Survey for the Project on the Establishment of Center for Vocational Extension Service Training (CEVEST)	. 6
	Survey for Technical Cooperation for the Energy Supply Demand Planning System Development	4
	Survey for the Asahan Hydroelectric Power Development Project	4
	Survey for the Strengthening of Trade and Information	4
	Survey for Collaborative Mineral Exploration in Indonesia	8
	Survey for the Riam Kiwa Hydroelectric Power Development Project	4
	Survey for the Development of Sugarcane Down-Stream Industry in	3
. *	the Republic of Indonesia (Preliminary)	e e e e e e e e e e e e e e e e e e e
	Convey for Banka Coal Effective Utilization	4
	Survey for Banko Coal Effective Utilization	3
	Survey for Renun Hydroelectric Power Development Project	3
	Survey for the Kotapanjang Hydroelectric Power in Indonesia	4
	Survey for the Lumpur Geothermal Development Project	4
.aos	Survey for Vienchan Drainage System Improvement Project	6
	Survey for Vienchan Drainage System Improvement Project (Preliminary)	6
Malaysia	Survey for VHF/FM Broadcast Coverage Plan for the States of Sabah	4
•	& Sarawak, Malaysia	•

COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Malaysia	Survey for Railway Development Plan Study	1
	Survey for Regional Water Resources Study	3,4
	Survey for Road Construction and Improvement Project in Johor	3, 4
	Bahru	1 4
	Survey for the Sewerage Drainage Study of Kelang and Port Kelang and its Environs	1,4
	Survey for Tatau-Kapit Trunk Road Project in Malaysia	4.
	Survey for Ex-mining Land for Housing Development	3
	Survey for the Study on the Development Project of the Port Petlis	3
	in Malaysia	-4
	Survey for Urban Transport	
	Survey for National Water Resources Study in Malaysia	1
	Survey for the Bengkoka Afforestation/Resettlement Project	3
	Survey for Construction Project on Malaya University Japanese	6
	Language School	•
	Survey for Tekai Hydroelectric Power Development Project	. 4
	Survey for the Project of the Center for Instructor and Advanced Skill Training (CIAST)	6
	Survey for the Integrated Regional Development of South Tregganu	1
	Survey for Collaborative Mineral Exploration	8
Na1	Survey for Rural Telecommunications Network	3, 4
Nepal	Survey for Water Resources Development Study on the Kosi River	3
1	Basin	
		1,4
2.4	Survey for Containerization Survey for the Establishment of Electric Power Distribution Network	6
	in Kathmandu Region Survey for the Sapt Gandaki Hydroelectric Power Development	4
	Survey for Pakistan Railways Locomotives Manufacturing Factory	3, 4
Pakistan		-,
. *	Project Dlon	1
Alternative Control	Survey for National Transport Plan Survey for Establishment of Hospital in Medical Complex in Islambad	6
	Survey for Agricultural Development Project with Widening of Pat-	4
		•
	Feeder Canal	1,3
Philippines	Survey for Panay River Basin Wide Flood Control Study	3
	Survey for the Philippine Road Disaster Prevention Study	3
	Survey for the Infanta-Real Area Urban Development Project	1,3
the second second	Survey for Metro Manila Transportation Planning (JUMSUT)	3, 4
	Survey for the Development Project of the Port of San Fernando	3
•	Survey for the Development Project of the Meteorological Tele-	
	communication System	4
4.	Survey for Metro Manila Outer Major Roads Project, Northern Package	4
	Survey for the Mayon Volcano Sabo and Flood Control Project	9
	Survey for Rural Telecommunication Project, Region V (Bicol)	4
	Survey for the Development Project of the Port of Irene	1,4
	Curvey for the Dalton Pass Tunnel Project	4
	Survey for Tonographic Mapping Project of the Cagayan Valley	2
	construction Geophysical/Geological Survey Vessel Project	6
	Survey for Metro Manila Outer Major Roads Project (Southern Package)	4
	Garage For Local Water Supply Projects	1,4
	Survey for the Improvement Project of Operation and Maintenance of	3, 4
	National Irrigation Systems	. 3
• •	Survey for Asue River Basin Agricultural Development Project	

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Ohilianiana	Survey for Gumain River Irrigation Project	. 3
Philippines	Survey for the Matuno River Development Project	4
	Survey for Alcogas Project	4
	Survey for the Improvement Project of Philippines Refugee Processing	6
	Centre Survey for the Construction Project of Philippines Normal College	6
•	Library Survey for Pilot Rural Environmental Sanitation Project	6
	Survey for the Construction of Agricultural Promotion Complex in Bohol	6
	Survey for the Construction of the Philippines Institute of Pure and Applied Chemistry (PIPAC)	6
	Survey for the Project of the Center for Rural Development Through Strengthening of Agro-industrial Livelihood Activities	6
	Survey for the Establishment of the Alcohol Distillery	4
	Survey for the Establishment of the Medical Power in Manila	3
	Survey for Matuno River Development Project	4
	Survey for Collaborative Mineral Exploration	8
	Survey for Rehabilitation of Thermal Power Station in Manila City	4
	Survey for the Leyte — Mindanao Interconnection Development	3
	Survey for Establishment of Powdered Activated Carbon Plant	3
	Survey for the Exploration of Water-Dissolved Natural Gas	4
	Survey for the Acupan-Itogon Geothermal Development Project	. 4
	Survey for the Bislig Coal Development Project	3
Cinconoro	Survey for the Productivity Development Project	6
Singapore	Survey for Environmental Effects of Power Stations and Steel Mill	4
ميا لمسليم	Survey for the Water Supply Schemes for Amparai Group of Towns	4
Sri Lanka	Survey for Telecommunication Network Improvement Project for	3,4
		3, 4
	Greater Colombo	
	Survey for Colombo-Katunayake Expressway and New Port Access Road Construction Projects	3
	Survey for Establishment of Pilot Demonstration Farm in Mahaweli	6
	Survey for Fisheries Harbour Construction Project	6
Thailand	Survey for Water Supply Projects in Detention Centres and Displaced Persons Camps	6
	Survey for Flood-Protection/Drainage Project in Suburban Bangkok	1,3
	Survey for Bangkok Sewerage System Project	4
	Survey for East Coast Water Resources Development Project	4
	Survey for Chaopia Bridges Construction Project	4
	Survey for the Development Project of Industrial Seafront Area in the Eastern Seaboard	3
	Survey for the Rama VI Bridge Rehabilitation Project	- 4
	Survey for the Second Stage Expressway System in the Greater Bangkok	4
•	Survey for the Thailand Coastal Shipping	3
	Survey for the Establishment of Repair Shipyard	3
	Survey for Railway Track Elevation Project in the Metropolitan Area	3
	in Bangkok Survey for the Pipe-Line Construction in the East Coast	
4.1		7
	Survey for the Development Project of the Industrial Port on the	1, 3, 4
	Eastern Seaboard Survey for East Coast Water Resources Development Project (Phase II)	4

•		
		· · · · · · · · · · · · · · · · · · ·
AREA	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Thailand	Survey for the System Development Plan on Poverty Eradication Programme	3
	Survey for Road Development in Northeastern Region	4
	Survey for Comprehensive Development Project in Northern Region in South Thailand	1
*4	Survey for the Improvement of Traffic Safety Facility	3
	Survey for Roads Development in the Northern Region	4
	Survey for Bangkok Solid Waste Disposal System	1,4
A Company	Survey for Agricultural Development Research Project in North-	11
	eastern Region Survey for the Third Agricultural Development Cooperation Project	3
	in North-East Region Survey for the Feasibility Study on Mae Chang Irrigated Agriculture	3,4
	Development Project Survey for the Lower-Northeast Medium Scale Irrigation Package	3,4
	Project	4
	Survey for the Upper Pasak River Medium Scale Irrigation Project	4 6
	Survey for the Establishment of School Education & Culture Centre Survey for the Establishment for Irrigation Engineering Centre	6
7"	Survey for the Environment Improvement Project	6
	Survey for Construction Project on Labor Accident Rehabilitation Centre	6
	Survey for Monitoring and Evaluation System for Poverty Eradication Programme	6: :
	Survey for the Construction of Terminal Irrigation Facilities	6
•	Survey for PHC Training Centre Project	6
	Survey for the Project on the Establishment of Inland Fisheries Centers Survey for the Project on the Establishment of Educational Broad-	6 6
	casting Production Centre of STOU	11
	Survey for Project of Joint Study by both Japan and U.S.A.	3
	Survey for Energy Conservation Project	. 4
	Survey for the Establishment of the Integrated Cement Factory Using	. 3
	Oil Shale	
	Off Share	4
	Survey for MEA's Distribution System	4
	Survey for the Nam Yuam Hydroelectric Power	4 .
	Curron for the San Kampaeng Geothermal Development Project	4 2
Indonesia, Malaysia & Singapore	Survey for the Common Datum Chart Project in the Strait of Malacca, Singapore	2
Indonesia & Sri Lanka	Survey for the Indonesia - Sri Lanka Submarine Cable Construction Project	3
Philippines,	Survey for Identification in Mining, Industry and Power Development	. 3
Thailand Malaysia &	in the ASEAN	÷
Singapore Philippines &	Survey for Project Identification in Asian Countries	3
Brunei		g ·
Thailand & Philippines	Survey for Follow-up for Mining, Industry, and Power Development Project	, ,
		i. Art
		45
		*

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
MIDDLE EAST		
Algeria	Survey for Agricultural Cooperation in the Democratic and People's Republic of Algeria	3
	Survey for the Fetzara Lake Area Agricultural Development Project	3
	Survey for the Establishment of Sea Water Desalination Plant	3
	$oldsymbol{n}_{i,j} = oldsymbol{n}_{i,j} + oldsymbol{n}_{i,j} + oldsymbol{n}_{i,j}$	4
Egypt	Survey for Cold Storage Chain Development Project	3,4
-371	Survey for the Fayoum Irrigation Project	3
	Survey for North Hussinia & South Port Said Agricultural Develop- ment Project	3, 4
	Survey for the Microwave Network between Cairo — Aswan & Wadi — Halfa	
	Survey for the Safety Improvement of the Suez Canal	3 .
	Survey for 10th of Ramadan Agricultural Development Project	4 ·
	Survey for Sharqiya Water Supply System	3
	Survey for Rice Technology Training Center (RITC)	6
	Survey for the Sinai Thermal Power Project	3
	<b>n</b>	4
	Survey for Project Identification in Mining & Industry	3
Jordan	Survey for the Ring Road of Irbid	4
Morocco	Survey for the Nador New Airport Construction Project	3
	Survey for Fishery Development Project	6
Oman	Survey for Wadi Jizi Agricultural Development Project	4
	Survey for Hydrologic Observation Project in the Batinah Coast Area	4
	of Northern Oman	
	Survey for Collaborative Mineral Exploration	8
Saudi Arabia	Survey for Cancer Centre Establishment Project	7
	Survey for the Technical Cooperation on Sea Water Desalination	4
	"	4
Sudan	Survey for Soba University Hospital Medical Equipment Improvement Project	6
	Survey for the Establishment of Specialized-Cum-General Hospital	6
Turkey	Survey for Ankara Air Pollution Control Project	3
	Survey for the Besconak Hydroelectric Power Development	4
	Survey for the Zongldok Off-shore Coal Mine Development	4
North Yemen	Survey for the 7th Berth Construction Project of the Port of Hodeidah	. 4
U.A.E.	Survey for the Mariculture Center Project	. 7
AFRICA		
Botswana	Survey for Collaborative Mineral Exploration	8
Guinea	Survey for Topographic Mapping Project	2
Kenya	Survey for the Likoni & Kilifi Bridges Construction Project	3
,=	Survey for Likoni Crossing Construction Project	4
	Survey for Kilifi Bridge Construction Project	4
	Survey for Topographic Mapping Project of East Kenya	2
	Survey for Bura East Irrigation Project	3
	Survey for Kenya's National Transport System	1
•	Survey for the Sondu River Hydroelectric Power Development	3
	Survey for the Rift Valley Geothermal Development Project	4
Liberia	Survey for St. John River Development Project	4
Mali	Survey for Underground Water Development Project	1
Mauritius	Survey for the Fishery Port Improvement Project	6

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
	Or C. Pal. in last n	
Mozambique	Survey for Fishery Development Project Survey for Irrigation Agriculture Development Project of Kourani	6
Nìger	Baria Basin in Niger	3, 4
Nigeria	Survey for Benito Pole and Line Fishing Research Boat Project	6
Rwanda	Survey for Rural Water Supply in Eastern Area	3
Senegal	La Mission d'etude Japonnise pour le project d'alimentation des	6
	regions en eau au Senegal	
Sierra Leone	Survey for Rhombe Swamp Agricultural Development	4
Swaziland	Survey for the Coal Development Project	4
Tanzania	Survey for Mkomazi Valley Area Irrigation Development Project	4 .
Upper Volta	Survey for the Construction of Storehouses for Food Grains Survey for Sebba-Gormgorm Road Construction Project	6
Zambia	Survey for the Establishment of the University of Zambia, School of	6
Tallinia	Veterinary Medicine	
	Survey for the Construction of Storehouses for Food Grains	6
•	Survey for Kambilombilo State Farm Development Project	3
Zimbabwe	Survey for the Project on the Installation of Intelsat Standard and	3, 4
	Earth Station	a 1
	Survey for Rural Village Water Supply Programme in Binga & Gokwe	3,4
	Provinces Survey for the Project on the Establishment of Aquaculture Centre	6
Gambia,	Survey for Evaluation of Grant-Aid Project	11
Mauritania & Cape Verde		
	C. D. All Constant to MCARL Program and African	3
Tunisia, Algeria,	Survey for Project Identification in Middle Eastern and African Countries	,
Senegal & Ivory Coast	Countries	
tvory coast		
LATIN AMERICA		
Argentina	Survey for the Industrial Use of Phosphate Rock	3 8
* *	Survey for Collaborative Mineral Exploration	8 4
	Survey for the Northern Newquen Geothermal Development Survey for the Establishment of General Hospital in Santa Cruz	6
Boliv <del>i</del> a	Survey for the Establishment of General Hospital in Salta Clos Survey for the Rehabilitation Project of Bolivian National Railways	4
	Survey for National Telecommunication Network Project	4.
	Survey for the Modernization of Mining Facilities	. 4
	Survey for Collaborative Mineral Exploration in San Antonio	8
Brazil	Survey for Comprehensive Development in Karajas Area	1.
*	Survey for Collaborative Mineral Exploration	8 : 4
Chile	Survey for Chilean State Railways Modernization Project	8
	Survey for Collaborative Mineral Exploration in Conception District Survey for Panplonita River Basin Agricultural Development Project	3
Colombia	Survey for the Urban Renovation in Barranquilla Urban Area	1,3
	Survey for the Bogota — Buenaventura Road Project	4
	Survey for Collaborative Mineral Exploration	8
	Survey for the Sca Water Disalination Plant	4
•	Survey for the Cauca Coal Development Project	3
•	Survey for the Atorato River Hydroelectric Power Development	4
factions.	Survey for the Sea Water Disalination Plant	<i>3</i> 4
Costa Rica	Survey for the Baja Talamanca Coal Development	4
Dominica	Survey for the Yuna River Hydroelectric Power Survey for Catarama Project in the Costa, Ecuador	4
Ecuador	Survey for Catarama reoject in the costa, sedador	
		47

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Ecuador	Survey for the Guayaquil City Urbau Transportation Plan	. : 4
Echanor	Survey for the Project of Small Scale Fisheries Development	6 .
	Survey for the Establishment of the Pulp and Paper Mill	4
	n	3
Guatemana	Survey for Flood Control Project	3
Guatemana	Survey for Collaborative Mineral Exploration	8
Honduras	Survey for Construction Project of Agricultural Development Center	. 6
Hounday	Survey for the Forest Inventory	10
	Survey for Coastal Fishery Resources	10
Mexico	Survey for New High Speed Railway Development Project in the	3
INEXICO	State of Guanajuato	
	Survey for Technical Cooperation Program for Construction of Sea-	4
	front Industrial Area	."
	Survey for the Development Project of the Industrial Port of Tuxpan	3, 4
	Estudio de Diseno Basico para el Proyecto de la Ampliacion de las	6
	instalaciones de las Escuelas vinculadas con Japon	
	Survey for Collaborative Mineral Exploration	8
Panama	Survey for the Urban Transport in Panama Metropolitan Area	1
гананна	Survey for Short-wave Broadcast Station Project	11
	Survey for the Forest Inventory	10
	Survey for Experimental Fishing Program in the Atlantic	10
Paraguay	Survey for National Telecommunications & Broadcasts Development	4
raraguay	Project	•
	Survey for Establishing Energy-intensive Industry	3
	Survey for the Master Plan on Irrigation and Drainage Project in the	1,3
	Adjacent Area to the Yacyreta Dam	7 7.
•	Survey for Capilbary Afforestation Project	3
	Survey for Forest Inventory in Northeastern Region	10
Poru	Survey for Marine Products Development Project	. 6
reiu	Survey for Topographic Mapping Project	2
	Survey for the Development Project of the Port of Callao	4
	Survey for Aricota Hydroelectric Power Development Project	3
	n	4
	Survey for Collaborative Mineral Exploration	8
	Survey for the Establishment of PVC Plant Complex	3
Bolivia & Paraguay	Survey for Project Evaluation	11
Peru, Paraguay &	Survey for Project Identification in Latin American Countries	3
Argentina	Survey for Froger Identification in Latin American Countifics	. 3
OCEANIA		
Fili	Survey for Fisheries Resources in Fiji Waters	10
Kiribati	Survey for Intra-islands Vessel	6
Solomon Islands	Survey for Fisheries Promotion Project	6
potalitati istanus	Survey for the Lake Te Nggano Bouxite Project	4
Tonga	Survey for the Vavair High School Project	6
Western Samoa	Survey for District Hospitals Reconstruction Project	
Solomon,	Survey for Evaluation of Japanese Grant Aid Projects	6
Western Samoa & Tuvalu	vario, tot orangation of Japanese Grant Ind Hojeets	11

AREA COUNTRY	NAME OF DEVELOPMENT SURVEY	CLASSIFIED NO.
Thailand, Philippines, Malaysia, Indonesia, Singapore, Bangladesh, Pakistan, Egypt, Brazil	Survey for Economic and Technical Cooperation in the ASEAN and Others	3
Zimbabwa Morocco & Thailand	Survey for the Project Finding for Collaborative Mineral Exploration	3
Peru, Kenya & Indonesia	Survey for Project Finding	3
Bolivia & Indonesia	Survey for Follow up for Cooperative Mineral Resources Exploration	9

# Chapter 2.

# Grant-Aid Cooperation Promotion Programme

#### 1. Outline

The programme is aimed at facilitating Japan's grant-aid cooperation to devel-

oping countries in accordance with international agreements.

The grant-aid cooperation is one form of extending financial assistance without repaying obligation. This category includes general grant aid, fisheries grant aid, food assistance, assistance for increased food production, etc. Of these, the Agency only deals with general grant aid and fisheries grant aid, which are closely related to technical cooperation.

The general grant aid is to offer funds needed to improve or expand the related facilities such as technical cooperation centres, hospitals, schools, research institutes and others, while the fisheries assistance is intended to help improve or expand

fisheries training facilities including training boats.

The facilities closely related to technical cooperation include vocational training centres and others which are needed for the realization of technical cooperation, facilities to be improved according to the basic design made by Japanese survey teams and facilities used for technology transfer from Japan through dispatch of Japanese experts overseas and acceptance of overseas trainees.

Major activities under the Agency's cooperation promotion programme are: (1) when contracts are concluded between a developing country and a Japanese private enterprise, JICA offers liaison, consultation and good offices in this regard, study of specifications of facilities and equipment to be offered from Japan and examination of the contents of contracts; (2) liaison, consultation and arrangements with local or Japanese banks on banking agreements, examination of the contents of contracts, and studies and surveys (on-the-spot surveys and investigation of the progress of activities) so as to facilitate the grant-aid cooperation.

### 2. Performance 1982

The Agency provided grant-aid cooperation for 81 overseas projects, as listed below;

# Performance of Capital Grant Aid in Fiscal 1982

AREA COUNTRY	CASE
ASIA	
Bangladesh	Establishment of the National Broadcasting House of Radio Bangladesh
- •	Construction of Food Grains Storehouses in Bangladesh
	Equipment Supply for General Hospital of Dhaka in Bangladesh
Burma	Establishment of the General Hospital in Rangoon
	Establishment of the Agricultural Training and Development Center
	Improvement and Expansion of Color TV Facilities in Burma
China	Construction of China-Japan Friendship Hospital
Indonesia	Construction of Radio & Television Broadcast Training Center
1100	Establishment of Quaternary Geology Laboratory in Indonesia
Laos	Improvement of Vientiane Water Supply System
Malaysia	Establishment of the Center for Instructor and Advanced Skill Training (CIAST)
Maidysia	Construction of Japanese Language School, Malaya University
Bit-Idius:	Establishment of Schools for Primary Education
Maldives	Construction of Teaching Hospital of Tribhvan University in Nepal
Nepal	Establishment of Electric Power Distribution Network in Kathmandu Region
	The Rural Water Supply
	Equipment Supply for Malaria Training & Research Center
Pakistan	Equipment Supply for the Construction of Darya Khan-Dera Ismail Khan Bridge
	Equipment Supply for the Construction of Highways in Frontier Regions
gradient of the same	Equipment Supply for the Construction of Highways in Frontier Regions
	Establishment of Childrens' Hospital in Pakistan
	The Domestic Water Supply at Saranan
Philippines	Construction of Geophysical/Geological Survey Vessel
•	Construction of the Philippine Institute of Pure and Applied Chemistry (PIPAC)
	Improvement of Philippine Refugee Processing Center
	Establishment of the Center for Rural Development through Strengthening of Agro-
*	Industrial Activities
Sri Lanka	Construction of Sri Jayewardenepura General Hospital
	Establishment of Pilot Demonstration Farm in Mahawele
	Construction of Fisheries Harbour
Thailand	Construction of Forest Development Research and Training Center
	Resolutionment of National Export Training Institute
	Establishment of Educational Broadcasting Production Center of STOU
	Retablishment of PHC Training Center
*	Flood protection/Drainage in Suburban Bangkok
	Equipment Supply for Monitering and Evaluation System for Poverty Etadication Pro
	mamma.
,	Construction of Terminal Irrigation Facilities in Thailand
	Improvement of Environment in Thailand
	Establishment of Inland Fisheries Centers
	Establishment of than 1 mans 1
MIDDLE EAST	Construction of Rice Cultivation Mechanization Center
Egypt	
	Renovation of the Equipment for the Radiology Department of Ain Shams Universit
	Renovation of the Equipment for the National Separation of the Specialized Hospital of Jartum
Sudan	Establishment of the Specialized Hospital of January
	The Water Supply Improvement Improvement of Medical Equipment for Soba University Hospital
	Improvement of Medical Equipment for Soon Supply
North Yemen	Construction of the Facilities for Rural Water Supply

AREA COUNTRY	CASE
AFRICA	C. J. T. L. Complete of Conto
Cape Verde	Equipment Supply for Reinforcement of the Existing Structure of Sonte
Gambia	Equipment Supply for the Expansion of Kotu Power Station
Ghana	Equipment Supply for the Expansion of National Primary Health Care in Ghana
Guinea	Supply of Vehicle and Medical Materials for the Improvement of Sanitary Facilities
Kenya	Construction of Kenya Medical Research Institute Equipment Supply for the Extension of Water Supply Pipelines of Ithanga Region
Liberia	Establishment of a Hospital Monrovia
Madagascar	Supply of Small Fishing Boats and Equipment for Fisheries Promotion in Madagascar
A Company	Supply of Vehicles (Buses, Ambulances, etc.) for the Improvement of Antananarive City
Malawi	Equipment Supply for the Improvement of Roads
Mali	Equipment Supply for the Reinforcement of Sanitary Services
Mozambique	Construction of Facilities for Fishery Development in Mozambique
Niger	Equipment Supply for the Exploration of underground Water
Senegal	Construction of Vocational Training Center in Senegal
-	Improvement of the Water Supply System for Rural Arca
Seychelles	Equipment Supply for the System of Praslin Treated Water Supply
Tanzania	The Educational Equipment Improvement of the Dar es Salaam Technical College
Togo	Improvement of Medical Equipment
Upper Volta	Improvement of Rural Equipment and Materials for the Excavation of Well
Zaire	Equipment Supply for the Improvement of City Roads
Zambia	Establishment of the Paediatric Surgical Center in the University Teaching Hospital Equipment Supply for the Improvement of Roads
Zimbabwe	Supply of Trucks for the Reinforcement of the Transportation Facilities for Agriculture Equipment Supply for the Improvement of Medical Instruments
LATIN AMERICA	
Bolivia	Construction of Trinidad Maternity & Paediatric Hospital
Colombia	Construction of Bridges and Training Vessels for the Development of the Coastal Pish-
Colonia	eries
Ecuador	Construction of Training Vessel for the Development of Small Scale Fisheries
Hoduras	Construction of Agricultural Development and Training Center in Honduras
Hodaiss	Supply of Equipment and Instruments for the Control of Malaria and Dengue
Peru	Equipment Supply for the Expansion of National System of People's Cooperatives
tein	Construction of Facilities for the Development of Marine Products
	Construction of Facilities for the Development of Marine Profincts
OCEANIA	
Kiribati	Construction of Facilities and Equipment Supply for Intra-Islands Vessel in the Republic of Kiribati
Micronesia	Equipment Supply for the Development of Local and Rural Road Network
Parao Palan	Equipment Supply for the Improvement and Development of the Coconut Plantation
	Construction of Fisheries Center and Equipment Supply for the Promotion of Fisheries
Solomon	in Solomon Islands
Solomon	

# Chapter 3.

# Japan Overseas Cooperation Volunteers Programme (JOCV)

## 1. Outline

This programme is designed to promote and assist the cooperation extended by Japanese young people for the socio-economic progress of developing countries.

The young volunteers participating in this programme undergo training to acquire techniques and skills required by developing countries and are charged with a mission to cooperate in their nation-building.

The characteristics of the JOCV Programme are that these Japanese Young people are sent in order to deepen mutual understanding through personal contacts with the peoples of developing countries and cooperate with local people in nation-building that these countries seek through economic and social development.

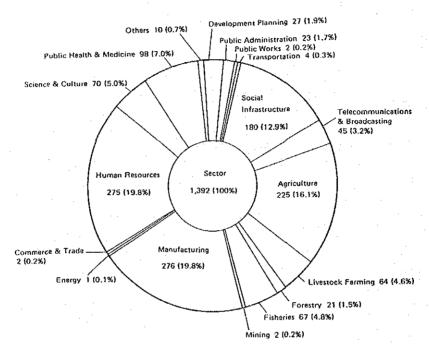
Based on the requests made by developing countries, the Agency, in cooperation with prefectural governments and private organizations, publicly recruits volunteers twice a year and give them a four-month preassignment training. After this, the volunteers are sent to developing countries for assignment.

The sector covered by this programme has a wide range and includes agriculture, forestry and fisheries, civil engineering and construction, health and hygiene, mining and manufacturing and even education, sports and other fields.

## 2. Performance in 1982

There were 441 volunteers sent overseas in 1982, bringing the total to 1,392 including those in service from the preceding year on. The cumulative number has reached 4,403 since the JOCV programme was initiated in 1965. Of the total figure 1,392 for 1982, 624 (44.8%), the largest number, was assigned to Africa. This was followed by 430 (30.9%) to Asia, 165 (11.8%) to Latin America, 104 (7.5%) to the Middle East, 69 (4.9%) to Oceania. By country, the largest number, 183 was assigned to Malawi, followed by 164 to Kenya and 124 to the Philippines. In the distribution by sector, the largest ratio was accounted for by manufacturing with 276 (19.8%), followed by human resources with 275 (19.7%).

Fig. 1 Number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1982) (including those in service from the preceding year on)



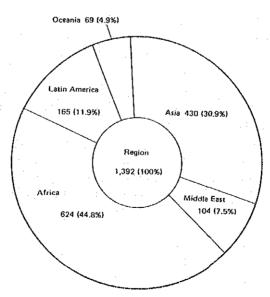
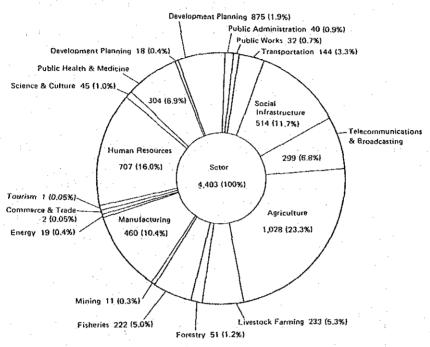


Fig. 2 Total Number of Japan Overseas Cooperation Volunteers Dispatched by Sector and Region (1965–1982)



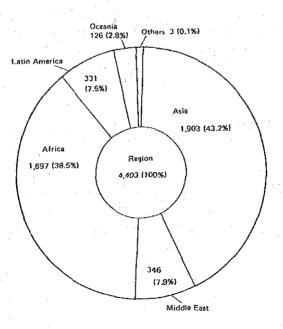
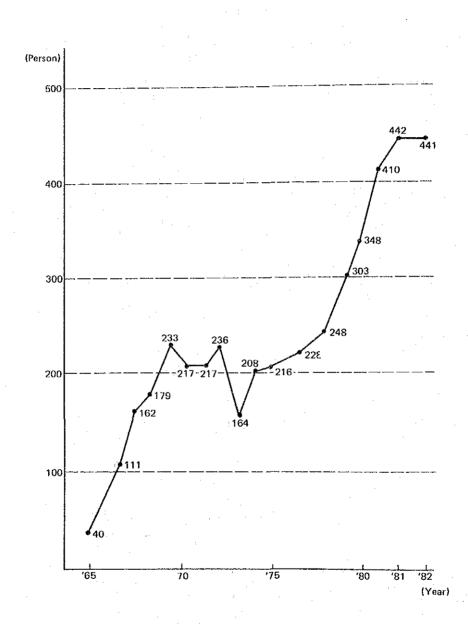


Fig. 3 Number of Japan Overseas Cooperation Volunteers
Dispatched by Year



# Chapter 4.

# **Development Cooperation Programme**

# (Investment in and Financing of Development Projects)

## 1. Outline

The Agency offers long-term, low-interest loans to Japanese corporations (including foreign corporations financed by Japanese firms) which require funds for improvement and expansion of facilities and for experimental projects in developing countries to promote social development, agricultural and forestry development and mining and manufacturing activities.

Such funds are used in projects which do not pay on commercial basis, e.g. improvement of related facilities, bridges and other infrastructure facilities and experimental projects such as cultivation of new crops, development of mining resources and mining activities which are risky.

## 2. Performance in 1982

During the fiscal 1982, the Agency consented to give 2,739 million yen for 7 experimental projects and the expansion of 2 facilities. The loans totaled 5,120 million yen for 18 projects. On the contract basis, loans for the expansion of facilities reached 1,302 million yen and those for experimental projects 1,607 million yen, totaling 2,909 million yen. Basic surveys and technical guidance conducted during fiscal 1982 were as follows:

Basic surveys	444 TO 11	: .	1.11	1		_
Basic surveys related	l to faciliti	es				1
Basic surveys related	ł to experi	mental projec	ts		• • • • • •	10
Technical guidance		Later Spiral		:		
Dispatch of experts	والمراجع والمراجع والمراجع					26
Acceptance of overs	seas trainee	s				28

# Chapter 5.

# **Emigration Service**

## 1. Outline

Emigration of Japanese people dates back to 1868 when about 150 persons went to Hawaii. Since then, the number of emigrants to North and Latin America increased steadily. Emigration was suspended after the outbreak of World War II but was resumed after the war, and the first postwar emigrants left Japan for Brazil in 1952.

Japanese emigrants' activities in their new countries have diversified from agricultural to industrial fields. In the future, emigration connected with economic cooperation and technical assistance projects may be expected.

The agency is carrying out the following activities to further promote the emigration of Japanese people:

(1) Diffusion of information and guidance on overseas emigration.

(2) Various types of training and study meeting for those wishing to emigrate.

(3) Improvement of living environment in the countries where the Japanese are emigrating.

(4) Guidance and counselling to the prospective emigrants in such fields as agricultural management, technical services and financial aids.

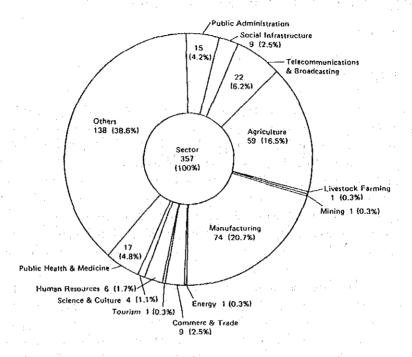
### 2. Performance in 1982

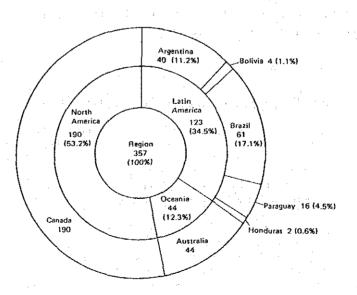
During fiscal 1982, 357 Japanese emigrated to five Latin American countries – Brazil, Paraguay, Argentina, Bolivia, and Honduras. Qualification certificates for the emigration to Canada were issued to 190 persons. Australia accepted 44 persons.

Consultations about overseas emigration totaled 4,477 cases during fiscal 1982 (878 cases for Latin America, 2,915 cases for North America, and Australia, and 684 for other destinations). Subjects of consultation cover a wider range, including the latest information on social conditions of the destination countries and the type of emigration.

As for the assistance to Japanese emigrants abroad, the Agency extended financial aids to them for improvement of medical services, which are the basis for stabilization of their lives, for educational facilities, for construction of roads and for electricity supply for settlements. Loans were also provided for agricultural management.

Fig. 1 Emigration by Sector and Region (1982)





# Chapter 6.

# Recruiting and Training of Qualified Japanese Experts for Technical Cooperation

## 1. Outline

While there are many capable persons in technical fields in Japan, the present employment system is hampering the recruitment of qualified experts for assignment to overseas technical cooperation activities. To improve this situation, the Agency has adopted the Experts Registration System and the Experts Pooling System which are aimed at pooling experts who have returned to Japan after completion of their overseas assignments or other experts who have expressed their intention to be dispatched abroad. For the smooth recruitment of qualified persons, the Agency has also adopted the Domestic Wage Supplement System for local public bodies and private enterprises which are cooperative in releasing their employees for overseas assignment.

To further improve the quality of experts, the Agency conducts pre-departure training courses in foreign languages and in technical fields, and medium-term training courses in Japan and abroad, which provide extensive training on foreign languages and specialized techniques for experts to be assigned overseas in the near future, and also long-term training courses at well-known research institutes or universities in foreign countries to train highly qualified technical experts who will seek their career in technical cooperation.

## 2. Performance in 1982

In 1982, this programme was conducted as follows:

## Orientation and Training Programmes in 1982

Programmes	Participants
Pre-Departure Orientation Programme	504
Individual Language Training Programme	69
Technical Training Programme	49
Would be Experts Training Programme	126
Overseas Training Programme	31
Special Technical Training Programme	9
Comprehensive Training Programme	20
Total	808 Person

Appendices (Statistics)

Performance of Technical Cooperation by Region, Country, Type of Cooperation and Sector (As of March 31, 1983)

				Panning & Administration	Panning & Ininistration	2	Public Works & Utilities	& Utilities	<b></b>	₹	Agriculture, Forestry & Fisheries	Forestry		Mining & Industry	100 h	-	Connerce & Totrism		Numan Resoure Development		3.1		ĺ
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