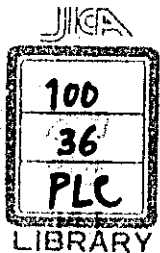


TECHNICAL COOPERATION TO ASEAN COUNTRIES

DECEMBER, 1980



Japan International Cooperation Agency



国際協力事業団

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TECHNICAL COOPERATION TO ASEAN COUNTRIES

(Unit: Million Yen)

Country	Year	Training Programme	Expert Dispatch Programme	Equipment Supply Programme	Overseas Technical Cooperation Center Programme	Health and Medical Cooperation Programme	Agriculture and Forestry Cooperation Programme	Industrial Development Cooperation Programme	Development Survey Programme	Development Cooperation Programme	Japan Overseas Cooperation Volunteers Programme	Total	Percentage (%)	Number of Experts (person)	Number of Participants (person)
Indonesia	1954 ~ 1979	3,113	4,550	280	972	1,550	5,303	1,171	8,642	344	2	25,929	12.5		
	1979	515	631	45	26	408	1,425	77	1,800	89	-	5,015	13.0	120	266
Malaysia	1954 ~ 1979	1,285	761	86	1,130	48	616	3	2,203	43	1,564	7,739	3.7		
	1979	215	123	14	315	1	97	-	970	13	192	1,940	5.0	21	132
The Philippines	1954 ~ 1979	2,205	1,085	176	1,483	1,088	1,514	562	4,349	286	2,131	14,879	7.2		
	1979	343	158	31	394	123	332	181	1,150	46	301	3,059	7.9	105	186
Singapore	1954 ~ 1979	944	856	41	1,002	3	-	1	233	2	-	3,082	1.5		
	1979	195	73	-	368	-	-	-	2	1	-	639	1.7	32	106
Thailand	1954 ~ 1979	2,844	2,964	274	2,402	2,464	2,448	1,206	3,868	97	2	18,569	9.0		
	1979	388	262	84	346	400	609	168	1,135	47	2	3,443	8.9	158	227
ASEAN Sub Total	1954 ~ 1979	10,391	10,217	858	6,989	5,154	9,882	2,943	19,295	771	3,813	70,198	33.9		
	1979	1,656	1,247	173	1,450	932	2,463	426	5,057	195	608	14,096	36.5	436	917
Asian Countries Total	1954 ~ 1979	19,013	14,765	1,988	10,220	9,119	16,780	3,124	27,206	780	6,852	110,175	53.2		
	1979	2,850	1,458	341	1,801	1,301	3,331	441	6,386	195	799	18,903	49.0	567	1,523
Grand Total	1954 ~ 1979	36,786	34,571	3,874	17,200	16,322	19,893	4,192	50,481	1,894	21,270	207,102	100		
	1979	5,785	5,340	830	2,892	2,541	4,275	727	12,437	480	3,245	38,552	100	994	3,124

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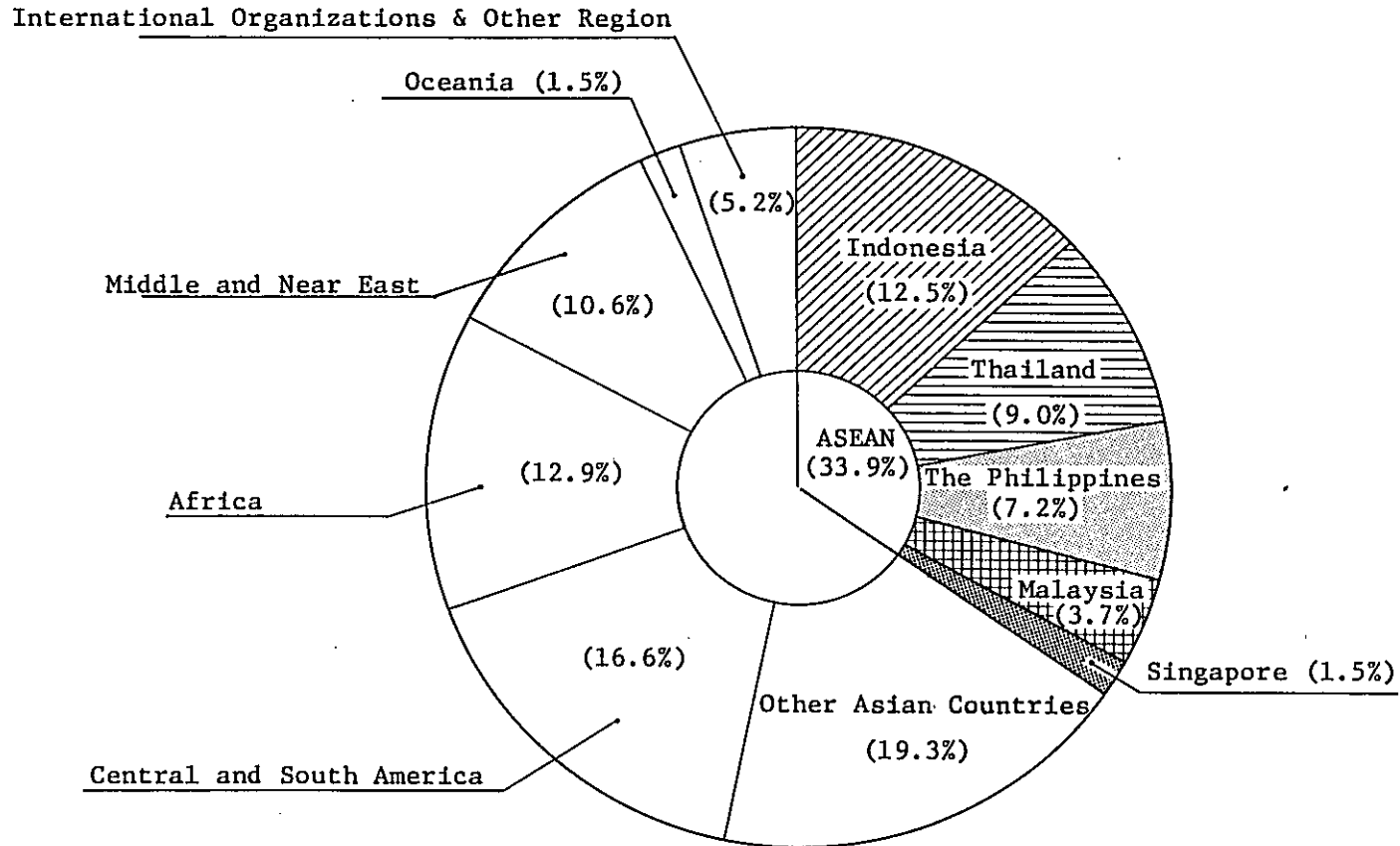
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TECHNICAL COOPERATION BY REGION AS A PERCENTAGE

(1954 through 1979)



THE REPUBLIC OF INDONESIA

1. Technical Cooperation of Japan International Cooperation Agency (JICA)

(Thousand yen)

Type	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y.1954-F.Y.1979 Total
1. Training Programme	326,348	390,497	394,931	514,533	3,112,974
2. Expert Dispatch Programme	572,191	670,916	568,528	631,479	4,550,248
3. Equipment Supply Programme	30,687	24,412	29,535	44,903	280,359
4. Overseas Technical Cooperation Centre Programme	148,341 (62,813)	151,401 (35,206)	110,756 (23,508)	25,689 (1,804)	972,012 (513,898)
5. Health and Medical Cooperation Programme	150,231 (113,186)	231,498 (177,369)	211,230 (148,388)	408,483 (246,952)	1,550,262 (1,079,835)
6. Agriculture and Forestry Cooperation Programme	534,061 (232,260)	812,851 (517,686)	1,129,506 (513,144)	1,424,918 (718,653)	5,302,914 (2,616,648)
7. Industrial Development Cooperation Programme	121,142 (69,999)	133,033 (80,433)	27,271 (3,348)	76,183 (60,080)	1,171,360 (657,814)
8. Development Survey Programme	1,006,821	1,471,740	1,686,778	1,799,851	8,642,450
9. Development Cooperation Programme	72,808	82,630	68,485	88,888	343,806
10. Japan Overseas Cooperation Volunteers. Programme	524	-	968	-	2,387
Total	2,963,154	3,968,978	4,227,988	5,014,927	25,928,772

Note: (1) The figures in parenthesis indicate a provisional amount of equipment supply in respective programmes.

(2) Japan's fiscal year: April - March.

2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(Persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	35	48	64	58	205
2. Fisheries	13	4	9	12	38
3. Construction	26	31	50	35	142
4. Heavy Industries	8	4	7	9	28
5. Mining	6	8	11	9	34
6. Light Industries	5	7	11	4	27
7. Chemical Industries	6	5	4	12	27
8. Public Works	8	10	4	8	30
9. Transportation	16	31	24	20	91
10. Postal Services and Telecommunications	14	24	19	12	69
11. Health and Welfare	28	20	30	34	112
12. Atomic Energy	-	-	-	3	3
13. Management Technology	6	7	7	7	27
14. Education	-	4	7	14	25
15. Administration	48	34	24	47	153
16. Others	3	3	3	9	18
Total	222	240	274	293	1,029

Note: The figures indicate the number of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

Sector	(Persons)				
	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	6	6	3	20	35
2. Fisheries	5	4	2	4	15
3. Construction	16	25	9	9	59
4. Heavy Industries	-	-	-	-	-
5. Mining	6	11	-	1	18
6. Light Industries	-	-	-	-	-
7. Chemical Industries	-	-	-	-	-
8. Public Works	1	-	-	-	1
9. Transportation	7	1	2	-	10
10. Postal Services and Telecommunications	-	10	6	2	18
11. Health and Welfare	-	1	-	-	1
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	-	1	-	1
14. Education	-	2	18	12	32
15. Administration	4	7	3	1	15
16. Others	1	-	-	-	1
Total	46	67	44	49	206

Note: The figures indicate the number of experts dispatched to Indonesia, excluding the number of package-type experts.

2.3 Equipment Supply Programme

(Thousand yen)

Equipment	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Soil and Geological Research	-	19,957	19,969	-	39,926
2. Hydrographic Research	7,617	-	-	-	7,617
3. Textile	14,022	-	-	-	14,022
4. Meteorological Observation	5,583	-	-	-	5,583
5. Irrigation	3,465	4,455	9,566	-	17,486
6. Hydraulics Research Equipment	-	-	-	40,783	40,783
7. Rice Production Equipment	-	-	-	4,120	4,120
Total	30,687	24,412	29,535	44,903	135,453

2.4 Overseas Technical Cooperation Centre Programme

Project	Cooperation Period	(Thousand yen)	(Persons)	(Persons)
		Equipment Supply	Expert	Trainee
1. Technical Cooperation in the Field of Fishery Research and Education	Jul. 1969 - Jul. 1972	147,071	6	4
2. Sulawesi Industrial Vocational Training Centre	Feb. 1974 - Feb. 1980	366,827	16	34
3. Sumatra Chemical Training and Development Centre	-	-	-	-
Total		513,898	22	38

2.5 Health and Medical Cooperation Programme

Project	Cooperation Period	(Thousand yen)	(Persons)	
		Equipment Supply	Expert	Trainee
1. Medical Faculty of Padjadjaran University	Jul. 1966 - Mar. 1972	12,401	3	-
2. Medical Cooperation for the Province of Maluku	Apr. 1968 - Mar. 1974	69,640	6	-
3. Central General Hospital, Western Java	Apr. 1968 - Mar. 1972	60,001	16	9
4. The Lung-Surgery Cooperation with the Persahabatan Hospital	Apr. 1969 - Mar. 1974	35,449	16	10
5. The Cardiosurgery Cooperation with the Persahabatan Hospital	1968 - 1969, 1972	10,778	17	-
6. The Central Clinical Laboratory of the Dr. Tjipto Mangunkusumo Hospital	Apr. 1972 - Mar. 1976	49,285	3	-
7. Family Planning	Oct. 1969 - Mar. 1983	427,729	20	8
8. Centre for Biomedical Research	Apr. 1975 - Mar. 1982	240,445	30	19
9. Health Control in North Sumatra and Surrounding Asahan Project Area	Apr. 1978 - Mar. 1983	133,766	19	10
10. Nurse Education	Nov. 1978 - Nov. 1983	35,822	6	-
11. Medical Adviser Experts	F.Y. 1973, 1977, 1978, 1979	-	5	-
12. Other Equipment	-	4,519	-	-
Total		1,079,835	141	56

2.6 Agriculture and Forestry Cooperation Programme

Project	Cooperation Period	(Thousand yen)	(Persons)	(Persons)
		Equipment Supply	Expert	Trainee
1. Technical Cooperation in the Field of Agriculture in Indonesia (Western Java)	May 1968 - May 1976	210,414	14	-
2. Tadjum Pilot Scheme	Feb. 1971 - Feb. 1976	120,205	9	-
3. Sericulture Development Project in South Sulawesi	Mar. 1976 - Feb. 1983	380,250	24	36
4. Japan-Indonesia Joint Food Crop Research Programme	Oct. 1978 - Oct. 1983	427,197	48	34
5. Lampung Agricultural Development Project	Nov. 1972 - Nov. 1980	655,702	25	38
6. South Sulawesi Regional Agricultural Development Planning	Dec. 1976 - Jun. 1981	89,135	32	18
7. Animal Health Improvement Programme	Jul. 1977 - Jul. 1982	152,578	9	11
8. Agricultural Products Processing Pilot Plant Project, IPB	Oct. 1977 - Oct. 1982	168,776	11	12
9. Mountain Logging Practice Project in Java	Apr. 1978 - Apr. 1981	190,431	10	9
10. Mariculture Development Project	Aug. 1978 - Mar. 1982	66,510	5	1
11. Middle Level Agricultural Technician Training Project	Mar. 1979 - Mar. 1984	52,012	5	4

Project	Cooperation Period	(Thousand yen)	(Persons)	(Persons)
		Equipment Supply	Expert	Trainee
12. Afforestation Project in South Sumatra	Apr. 1979 - Apr. 1984	-	-	-
13. Remote Sensing Engineering Project	Apr. 1980 - Mar. 1985	102,765	6	-
14. Strengthening of Plant Protection Service	Jun. 1980 - Jun. 1985	673	3	-
15. Establishment of Construction Guidance Service Centre in Irrigation/Drainage Engineering	-	-	-	-
Total		2,616,648	201	163

2.7 Industrial Development Cooperation Programme

Project	Cooperation Period	(Thousand yen)	(Persons)	(Persons)
		Equipment Supply	Expert	Trainee
1. East Java Maize Development	Dec. 1967 - Jul. 1974	256,263	18	4
2. Lampung Agricultural Development	Nov. 1972 - Nov. 1977	338,123	12	-
3. Development for Building Materials	Jul. 1978 - Jul. 1982	63,428	7	2
Total		657,814	37	6

2.8 Development Survey Programme

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Malacca and Singapore Strait (Indonesia and others)	(19,532)	(46,137)	(44,568)	(11,042)	(121,279)
*Electronic Navigation Aid System	(18,256)	(15,282)	-	-	(33,538)
*Tidal and Current Studies	(1,276)	(30,855)	(34,573)	(11,042)	(77,746)
*Hydrographic Survey in the One Fathan Bank Area	-	-	(9,995)	-	(9,995)
2. Central South Surawesi Water Resources Development	78,973	77,197	370,381	144,165	670,716
3. Wonogiri Dam Feasibility Study	-	2,273	-	-	2,273
4. Wonogiri Irrigation and River Improvement	120,550	2,494	-	-	123,044
5. Central Java Regional Development	32,760	39,907	-	-	72,667
6. Overall Urar River Improvement	128,347	150,420	54,824	-	333,591
7. Central and East Java Road	52,073	-	-	-	52,073
8. Training Centre of Rating	-	37,177	-	-	37,177
9. Banjarmasin Ports Development	118,180	33,961	-	-	152,141
10. Basic and Practical Study for Master Plan in Land Erosion and Volcanic Dbris Control in Area of Mt. Merapi	40,960	155,886	123,074	80,970	400,890

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
11. Jakarta Ring Road	25,686	118,490	8,039	-	152,215
12. Northern and Western Sumatra Tourism Development	9,601	178,267	1,287	-	189,155
13. Extension Project of the Bitung Port	2,914	96,011	63	-	98,988
14. Forestry Inventory for Management and Logging Plan to Central Java	45,191	51,944	454	-	97,589
15. Technical Cooperation Survey (Indonesia and Others)	-	3,683	1,267	1,388	6,338
16. Construction Project of Semarang Port	-	80,945	20,941	-	101,886
17. Shipping Industry Development in Indonesia	-	20,156	48,559	69	68,784
18. Feasibility Study and Planning of Riam-Kanan Irrigation	-	44,627	185,596	18,803	249,026
19. Management Plan of Upper Musi Water-Shed in South Sumatra	-	21,518	127,373	195,965	344,856
20. Borobudur - Prambanan National Archeological Monument Parks	-	-	149,885	10,967	160,852
21. Salvage Survey of Wrecks and Underwater Obstacles	-	-	1,841	72,984	74,825
22. Nurse Education Facilities	-	-	38,853	26	38,879

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
23. Reforestation Technology Facilities, Mulawarman University	-	-	38,353	1,044	39,397
24. Hospital Facilities Improvement	-	-	22,476	-	22,476
25. Construction of Port Facilities in Balikpapan	-	-	40,566	59,013	99,579
26. Lower Jeneberang River Flood Control Project	-	-	4,728	114,256	118,984
27. Improvement of Telephone Network System in Jakarta	-	-	3,813	112,877	116,690
28. Upper Komering River Basin Agricultural Development	-	-	12,132	181,870	194,002
29. Low Cost Housing Project in Depok	-	-	3,882	65,869	69,751
30. Construction of Guidance Service Centre in Irrigation, Drainage Engineering	-	-	10,285	3,368	13,653
31. Southern Coast Development Project in Eastern Java	-	-	66,241	47,084	113,325
32. Jakarta-Merak Link Road (Jakarta-Tangerang Tollway System)	-	-	2,741	10,938	13,679
33. Solo River Basin Irrigation and River Improvement	-	-	6,794	-	6,794

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
34. Combined Transportation Survey in Medan	-	-	5,421	118,308	123,729
35. Makassar Shipyard	-	-	-	2,188	2,188
36. Standard Package Water Supply Treatment Plan for Medium and Small Scale Cities	-	-	-	16,973	16,973
37. Pelabuhan Ratu Fish Port	-	-	-	5,334	5,334
38. Telecommunication Network in Developing Area Surrounding Medan and Ujung Pandang	-	-	-	4,795	4,795
39. Jakarta Harbour Road	-	-	-	3,182	3,182
40. Development of Lang Keuame Irrigation	-	-	-	2,697	2,697
41. Rural Road Development	-	-	-	19,161	19,161
42. JABOTABEK (urban/suburban and Railways Transportation Study)	-	-	-	4,288	4,288
43. Urgent Improvement of Madiun River	-	-	-	26,795	26,795
44. Middle Level Agricultural Technical Training Centre - Basic Design	-	-	-	13,232	13,232

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
45. Indo-China Refugees Centre (Indonesia and others)	-	-	-	9,225	9,225
46. Master Planning and Pre-design of Sorong Port	-	-	-	6,590	6,590
47. Sumatra Chemical Training and Development Centre - Basic Design	-	-	-	13,115	13,115
48. Ujung Pandang Industrial Estate Construction Plan	70,492	-	-	-	70,492
49. Sadan Hydroelectric Power Development	97,401	5,922	-	-	103,323
50. Project Finding-Mining, Industry and Power Production (Indonesia and others)	489	-	591	795	1,875
51. Mineral Resources Development in Central Kalimantan	183,204	201,845	79,304	-	464,353
52. Rehabilitation of Ombilin-Coal Mines	-	39,156	111,085	67,582	217,823
53. Thermalelectric Power Development of Bukit Asam	-	56,247	2,520	-	58,767
54. Geological Survey of Uranium Minerals in Sumatra	-	871	2	2,291	3,164

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
55. Construction of Urea Plant in Aceh	-	46,937	42,751	-	89,688
56. Energy Supply-Demand Data Bank System	-	5,806	17,494	29,025	52,325
57. Energy Data Bank System for Petroleum Exploration and Development	-	-	35,970	51,469	87,439
58. Maung Hydroelectric Power Development	-	-	36,902	158,318	195,220
59. Pulp and Paper Mills	-	-	10,290	3,833	14,123
60. Metallic Mineral Exploration in West Kalimantan	-	-	-	63,142	63,142
61. Feasibility Study for North Sumatra Transmission	-	-	-	34,331	34,331
62. Volcanological Survey (Geothermal Development Project)	-	-	-	10,068	10,068
63. Industrial Standardization	-	-	-	4,795	4,795
64. Development of Small Scale Industry	-	-	-	5,866	5,866
65. Follow-up Survey (Indonesia and others)	-	-	-	797	797
Total	1,006,821	1,471,740	1,686,778	1,799,851	5,965,190

Note: Total excludes the figures on the Malacca and Singapore Strait Project (1).

2.9 Development Cooperation Programme

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Basic and Development Survey					
(1) Forestry Development Project in South Sumatra	8,205	24,774	45,297	18,493	96,769
(2) Forestry Development Project in Central Sulawesi	52,161	39,782	5,688	-	97,631
(3) Forestry Development of the Barito River Upper Basin	-	-	-	11,351	11,351
(4) Lesser-known Species Development Project in Central Kalimantan	-	-	-	9,092	9,092
(5) Forestry Development Project in North Sulawesi	-	-	-	7,753	7,753
(6) Agricultural Development of Togian Islands	-	-	-	13,583	13,583
2. Financial Cooperation Survey	5,715	5,307	4,333	6,978	22,333
3. Technical Guidance Service	6,727	12,767	13,167	21,638	54,299
Total	72,808	82,630	68,485	88,888	312,811

MALAYSIA

1. Technical Cooperation of Japan International Cooperation Agency (JICA)

(thousand yen)

Type	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	F.Y.1954-F.Y.1979 Total*
1. Training Programme	143,915	153,820	202,709	215,040	1,285,512
2. Expert Dispatch Programme	82,698	96,254	118,380	122,871	761,492
3. Equipment Supply Programme	-	-	17,960	13,572	85,792
4. Overseas Technical Cooperation Centre Programme	63,903 (13,175)	176,976 (104,710)	200,079 (99,311)	315,241 (189,635)	1,129,981 (661,251)
5. Health and Medical Cooperation Programme	1,630 (-)	1,844 (5)	966 (-)	542 (-)	47,766 (29,607)
6. Agriculture and Forestry Cooperation Programme	24,300 (6,524)	31,827 (-)	225,238 (133,927)	97,071 (34,327)	616,452 (301,818)
7. Industrial Development Cooperation Programme	2,754	271	-	-	3,025
8. Development Survey Programme	241,074	299,605	502,954	970,229	2,202,911
9. Development Cooperation Programme	2,867	9,046	13,771	12,845	42,801
10. Japan Overseas Cooperation Volunteers Programme	126,347	158,648	176,463	192,169	1,563,775
Total	689,488	928,291	1,458,520	1,939,580	7,739,507

Note: (1) The figures in parenthesis indicate a provisional amount of equipment supply in respective programmes.

(2) Japan's fiscal year: April - March.

2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	13	12	18	20	63
2. Fisheries	7	5	3	9	24
3. Construction	4	2	16	24	46
4. Heavy Industries	6	7	9	8	30
5. Mining	1	4	1	1	7
6. Light Industries	4	5	8	6	23
7. Chemical Industries	-	2	1	-	3
8. Public Works	1	6	3	8	18
9. Transportation	17	15	22	10	64
10. Postal Services & Tele-communications	9	7	10	4	30
11. Health & Welfare	4	9	6	18	37
12. Atomic Energy	-	-	-	1	1
13. Management Technology	3	6	5	2	16
14. Education	2	2	-	-	4
15. Administration	33	31	24	28	116
16. Others	3	3	5	5	16
Total	107	116	131	144	498

Note: The figures indicate the numbers of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	-	2	-	1	3
2. Fisheries	-	-	-	-	-
3. Construction	3	1	6	6	16
4. Heavy Industries	-	-	-	1	1
5. Mining	-	-	1	-	1
6. Light Industries	-	-	-	1	1
7. Chemical Industries	2	-	-	-	2
8. Public Works	-	-	-	-	-
9. Transportation	-	-	-	-	-
10. Postal Services & Tele-communications	1	2	1	-	4
11. Health & Welfare	-	-	-	-	-
12. Atomic Energy	-	-	-	-	-
13. Management Technology	5	-	-	-	5
14. Education	-	-	-	-	-
15. Administration	-	1	-	-	1
16. Others	-	-	-	-	-
Total	11	6	8	9	34

Note: The figures indicate the numbers of the experts dispatched to Malaysia, excluded package type experts.

2.3 Equipment Supply Programme

(thousand yen)

Equipment	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Rice Crop Research Equipment	-	-	17,960	-	17,960
2. Geological Survey Equipment	-	-	-	9,451	9,451
3. Rice Production Equipment	-	-	-	4,121	4,121
Total	-	-	17,960	13,572	31,532

2.4 Overseas Technical Cooperation Centre Programme

(thousand yen)

(persons)

(persons)

Project	Cooperation Period	Equipment Supply*	Expert	Trainee
1. MARA Vocational Training Institute, Kuala Lumpur	Jan. 1973 - Jan. 1976	78,978	2	7
2. Marine Engineering Training Project	Dec. 1973 - Jun. 1982	204,298	23	20
3. MARA Vocational Training Institute, Johor Bharu	Sept. 1976 - Sept. 1980	167,158	9	7
4. Electroplating, Press and Welding Development Centre	Aug. 1978 - Aug. 1982	210,817	14	10
Total		661,251	48	44

* Provisional

2.5 Health and Medical Cooperation Programme

(thousand yen)

(persons)

(persons)

Project	Cooperation Period	Equipment Supply*	Expert	Trainee
1. Medical Diagnostic Team	Apr. 1966 - Mar. 1968	5,458	7	-
2. General Hospital of Maraya University	F.Y. 1967, 1968	3,518	2	-
3. Other Equipments	-	20,631	-	-
4. Medical Adviser Experts	F.Y. 1976, 1978, 1979	-	6	-
Total		29,607	15	-

* Provisional

2.6 Agriculture and Forestry Cooperation Programme

(thousand yen)

(persons)

(persons)

Project	Cooperation Period	Equipment Supply*	Expert	Trainee
1. Paddy Mechanization Training Project	Dec. 1970 - Dec. 1975	127,040	3	-
2. Technical Cooperation Project on National Water Management Training	Sept. 1977 - Sept. 1982	174,778	11	5
Total		301,818	14	5

* Provisional

2.7 Development Survey Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Malacca & Singapore Strait (Malaysia and others)	(19,532)	(46,137)	(44,568)	(33,162)	(143,399)
* Electronic Navigation Aid System	(18,256)	(15,282)	-	-	(33,538)
* Tidal and Current Studies	(1,276)	(30,855)	(34,573)	(33,162)	(99,866)
* Hydrographic Survey in the One Fathan Bank Area	-	-	(9,995)	-	(9,995)
2. Penang Sewerage and Drainage System	112,127	81,408	141,366	-	334,901
3. Trengganu Tengah Swamp Area Agricultural Development Project	-	8,223	103,979	114,157	226,359
4. Kuantan - Kuching Submarine Cable Project	-	107,229	-	-	107,229
5. Beluru/Long Lama/Limbang Trunk Road Construction Project in Sarawak	-	4,015	142,291	39,375	185,681
6. Urban Transportation Project in Georgetown and Butterworth	-	-	13,110	183,453	196,563
7. National Water Resources Develop- ment Project	-	-	4,520	62,741	67,261
8. Reclamation Project of Ex-Mining Land for Housing Development	-	-	2,328	45,484	47,812
9. Water Resources Development of East Sabah	-	-	5,568	185	5,753

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
10. Economic and Technical Cooperation Survey (Malaysia and others)	-	-	1,267	1,388	2,655
11. Feasibility and Master Plan Studies for Alor Star and its Urban Environs Sewerage Project	-	-	24,518	128,394	152,912
12. Submarine Cable Project (Malaysia and others)	-	2,665	49,830	-	52,495
13. Kelantan Port Development Project	-	-	-	72,366	72,366
14. Flood Forecasting and Warning System in Saba and Sarawak	-	-	-	51,035	51,035
15. Feasibility Study for UHF/FM Broadcast Coverage for Peninsular Malaysia	-	-	-	2,781	2,781
16. Bitulu Deepwater Port Project	-	-	-	14,481	14,481
17. Project Finding for Industry, Mining and Power (Malaysia and others)	488	-	591	795	1,874
18. Master Plan Study on Petroleum Industry	128,459	96,065	-	-	224,524
19. Lebir River Hydroelectric Power Project	-	-	13,586	164,131	177,717
20. Feasibility Study on ASEAN Urea Fertilizer Project	-	-	-	56,301	56,301
Total	241,074	299,605	502,954	970,229	2,013,862

Note: Total excludes the figures on the Malacca & Singapore Strait Project (1).

* Provisional

2.8 Development Cooperation Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Basic Survey					
(1) Sinker Species Development	-	-	2,690	1,231	3,921
(2) Sabah Agricultural Development Cooperation Project	-	8,395	8,935	8,510	25,840
2. Financial Cooperation Survey	2,867	651	934	2,292	6,744
3. Technical Guidance Service	-	-	1,212	812	2,024
Total	2,867	9,046	13,771	12,845	38,529

* Provisional

2.9 Japan Overseas Cooperation Volunteers Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	5	1	7	5	18
2. Fisheries	-	2	1	-	3
3. Construction	3	7	2	2	14
4. Heavy Industries	1	11	5	-	17
5. Mining	-	-	-	-	-
6. Light Industries	-	-	3	-	3
7. Chemical Industries	-	-	-	-	-
8. Public Works	-	-	2	-	2
9. Transportation	-	2	1	-	3
10. Postal Services & Telecommunications	-	-	2	5	7
11. Health & Welfare	4	2	2	1	9
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	-	-	-	-
14. Education	4	2	1	-	7
15. Administration	-	1	1	3	5
16. Others	3	2	-	4	9
Total	20	30	27	20	97

THE REPUBLIC OF THE PHILIPPINES

1. Technical Cooperation of Japan International Cooperation Agency (JICA)

(thousand yen)

Type	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y.1954-F.Y.1979 Total
1. Training Programme	213,772	313,390	348,078	343,140	2,204,822
2. Expert Dispatch Programme	132,473	153,790	144,085	158,080	1,084,647
3. Equipment Supply Programme	-	28,469	14,301	30,787	176,079
4. Overseas Technical Cooperation Centre Programme	12,152 (851)	278,454 (230,254)	475,416 (335,945)	394,009 (213,837)	1,482,579 (905,162)
5. Health and Medical Cooperation Programme	194,760 (152,735)	191,003 (138,866)	90,440 (60,399)	122,623 (80,780)	1,088,333 (793,247)
6. Agriculture and Forestry Cooperation Programme	80,039 (22,048)	237,642 (69,714)	323,118 (161,656)	331,773 (139,261)	1,514,220 (715,650)
7. Industrial Development Cooperation Programme	36,703 (5,947)	239,123 (175,581)	99,684 (73,737)	180,883 (163,615)	561,508 (418,880)
8. Development Survey Programme	527,528	760,176	750,833	1,149,748	4,349,471
9. Development Cooperation Programme	56,149	121,404	25,315	45,681	285,795
10. Japan Overseas Cooperation Volunteers Programme	236,825	234,793	227,360	301,094	2,131,396
Total	1,490,401	2,558,244	2,498,630	3,057,818	14,878,850

Note: (1) The figures in parenthesis indicate a provisional amount of equipment supply in respective programmes.

(2) Japan's fiscal year: April - March.

2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	30	34	41	25	130
2. Fisheries	13	11	10	12	46
3. Construction	10	15	12	18	55
4. Heavy Industries	9	12	5	9	35
5. Mining	4	6	2	5	17
6. Light Industries	4	5	10	10	29
7. Chemical Industries	12	12	12	10	46
8. Public Works	5	7	6	6	24
9. Transportation	19	26	27	23	95
10. Postal Services & Telecommunications	7	16	17	9	49
11. Health & Welfare	23	17	23	23	86
12. Atomic Energy	-	1	-	4	5
13. Management Technology	5	6	2	3	16
14. Education	2	2	-	9	13
15. Administration	26	30	51	44	151
16. Others	3	3	1	3	10
Total	172	203	219	213	807

Note: The figures indicate the numbers of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	2	3	3	6	14
2. Fisheries	-	-	-	-	-
3. Construction	1	6	3	1	11
4. Heavy Industries	2	-	2	-	4
5. Mining	3	5	-	5	13
6. Light Industries	-	-	1	-	1
7. Chemical Industries	2	3	-	-	5
8. Public Works	-	-	-	-	-
9. Transportation	1	-	-	3	4
10. Postal Services & Telecommunications	-	-	2	3	5
11. Health & Welfare	-	-	-	-	-
12. Atomic Energy	-	-	-	-	-
13. Management Technology	2	-	-	-	2
14. Education	-	1	1	1	3
15. Administration	-	2	3	1	6
16. Others	-	-	-	9	9
Total	13	20	15	29	77

Note: The figures indicate the numbers of the experts dispatched to the Philippines, excluded package type experts.

2.3 Equipment Supply Programme

(thousand yen)

Equipment	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Numerical Control Lathe	-	28,469	-	-	28,469
2. Road Line-Marker Equipment	-	-	14,301	-	14,301
3. Forestry Products Research Equipment	-	-	-	13,037	13,037
4. Flood Forecast and Alarm Equipment	-	-	-	17,750	17,750
Total	-	28,469	14,301	30,787	73,557

* Provisional

2.4 Overseas Technical Cooperation Centre Programme

(thousand yen)

(persons)

(persons)

Project	Cooperation Period	Equipment Supply*	Expert	Trainee
1. National Cottage Industry Development Agency	Sept.1966 - Sept.1972	124,275	17	8
2. Transport Training Centre	Apr. 1977 - Apr. 1981	521,759	66	20
3. Ceramic Research & Development Centre	Jul. 1976 - Jul. 1982	259,128	22	27
4. Metal Casting Technology Centre	Jul. 1980 - Jul. 1984	-	-	-
Total		905,162	105	55

* Provisional

2.5 Health and Medical Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply*	Expert	Trainee
1. Cholera Control	Jan. 1967 - Mar. 1974	72,374	31	-
	Apr. 1974 - Mar. 1977 (Follow-up)			
2. Poliomyelitis Control	May 1967 - Mar. 1974	170,140	10	-
3. Schistosomiasis Control Research	Aug. 1972 - Mar. 1978	162,044	60	14
	Apr. 1978 - Mar. 1981 (Follow-up)			
4. Family Planning	Jul. 1974 - Mar. 1981	374,333	-	17
5. Institute of Tropical Medicine	Oct. 1980 - Oct. 1985	-	-	-
6. Other Equipment	-	14,356	-	-
7. Medical Adviser Experts	-	-	6	-
Total		793,247	107	31

* Provisional

2.6 Agriculture and Forestry Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply*	Expert	Trainee
1. Rice Production Pilot Farm Project	Jun. 1969 - Jun. 1974 1974 - 1976 (Follow-up)	228,685	17	-
2. Pilot Project of Cagayan Integrated Agricultural Development	Feb. 1976 - Feb. 1979 Feb. 1979 - Feb. 1982 (M/A)	295,628	19	6
3. Pantabangan Pilot Forest Project	Jun. 1978 - Sept. 1980	191,337	17	6
Total		715,650	53	12

* Provisional

2.7 Industrial Development Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply*	Expert	Trainee
1. Pantabangan Pilot Forest Project	Jun. 1976 - Jun. 1978	174,263	10	4
2. Technical Cooperation on the Technological Development for Particle Board	Mar. 1977 - Jan. 1982	244,617	13	14
Total		418,880	23	18

* Provisional

2.8 Development Survey Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Economic and Technical Cooperation Survey (Philippines and others)	1,381	2,772	1,433	1,047	6,633
2. Manila Subway Construction (Route 1) Project	5,677	-	-	-	5,677
3. C-3 and R-4 Road Project in Manila	46,554	126,552	125	-	173,231
4. Cagayan Integrated Agricultural Development Project (CIADP)	38,979	-	-	-	38,979
5. Fisheries Resources Development Project	92,361	3,255	-	-	95,616
6. Subic Dockyard and Pan Philippine Highway Ferry Service	8,550	-	-	-	8,550
7. Grains Terminal Silo Construction Project	35,769	36,242	-	-	72,011
8. Flood Forecasting System (of Cagayan River, Bicol River, etc.)	51,532	50,988	-	-	102,520
9. Pasig-Potorero River Flood Control and Sabo Project	5,263	90,849	62,170	-	158,282
10. Bohol Integrated Agricultural Development Project	5,268	95,238	22,350	-	122,856

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
11. National Hydraulic Research Center	4,018	20,020	-	-	24,038
12. North Luzon Telecommunication Network	-	35,221	34,312	-	69,533
13. Topographic Mapping Project of Cagayan Valley	-	12,084	30,873	117,895	160,852
14. Ferryboat Construction Project	-	4,554	-	-	4,554
15. Ilocos Norte Irrigation Project	-	21,162	146,584	98,707	266,453
16. Fishing Ports Project	-	14,710	19,802	-	34,512
17. Mayon Volcano Erosion Control Project	-	-	4,101	79,975	84,076
18. Manila-Bataan Coastal Road, C-5 and C-6 Road Project	-	-	41,193	126,918	168,111
19. Hospital Development Project	-	-	19,146	62,968	82,114
20. Urban Transport Project in Davao	-	-	3,151	62,578	65,729
21. Integrated Equipment Library Research Training Center in Technology University of Philippines	-	-	21,039	18,672	39,711
22. Institute of Tropical Medicine	-	-	20,366	16,747	37,113

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
23. Bohol Integrated Area Development	-	-	12,470	85,086	97,556
24. Telecommunication Network in Central Luzon	-	-	-	3,294	3,294
25. Matuno River Multipurpose Project	-	-	-	6,765	6,765
26. Pampanga Delta and Candaba Swamp Development Project	-	-	-	4,478	4,478
27. Training and Research Vessel for the College of Fisheries, University of the Philippines	-	-	-	13,739	13,739
28. Indochina Refugees Processing Centre Project	-	-	-	9,224	9,224
29. Project Finding for Industry, Mining and Power (Philippines and others)	-	257	449	795	1,501
30. Cagayan Valley Electrification	18,654	28,577	-	-	47,231
31. Geological and Mineral Survey in Northwest Luzon	194,697	88,845	22,684	100,230	406,456
32. Construction of Integrated Steel Mill Plant (Mindanao Isd.)	18,825	76,633	76,747	68,005	240,210
33. Mine Tailing Disposal System in the Baguio Mining District	-	52,217	6,005	-	58,222

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
34. Super Phosphate Fertilizer Project	-	-	2,563	-	2,563
35. Construction of Phosphate Fertilizer Plant	-	-	65,674	6,900	72,574
36. Agos River Hydro-Electric Power Project	-	-	26,598	118,456	145,054
37. Upper Cagayan River (Didyon site) Hydro-Electric Power Project	-	-	109,803	83,660	193,463
38. Follow up Survey (Philippines and others)	-	-	1,195	797	1,992
39. Exploration and Development of Geothermal Energy	-	-	-	11,168	11,168
40. Visayas Power Interconnection Project -Feasibility study-	-	-	-	38,332	38,332
41. EHV Transmission System Development Project in the Luzon Island	-	-	-	9,538	9,538
42. Others	-	-	-	3,774	3,774
Total	527,528	760,176	750,833	1,149,748	3,188,285

* Provisional

2.9 Development Cooperation Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total*
1. Basic Survey					
(1) Forestry Development Project in Pantabangan	33,747	49,880	3,125	-	86,752
(2) Appari Iron-Sand Development Project	22,402	28,033	-	-	50,435
(3) Dolomite Mine Development Project in Cebu Island	-	40,038	-	-	40,038
(4) Pioneer Iron Mine Development Project	-	-	17,132	24,089	41,221
(5) Castor Development Project in Mindanao Island	-	-	4,961	2	4,963
(6) The EAC Ferro-Silicon Project	-	-	-	16,547	16,547
2. Financial Cooperation Survey	-	3,453	97	2,405	5,955
3. Technical Guidance	-	-	-	2,638	2,638
Total	56,149	121,404	25,315	45,681	248,549

* Provisional

2.10 Japan Overseas Cooperation Volunteers Programme

(persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	9	9	10	14	42
2. Fisheries	3	-	-	4	7
3. Construction	3	-	1	-	4
4. Heavy Industries	1	4	8	1	14
5. Mining	-	-	-	-	-
6. Light Industries	1	1	-	-	2
7. Chemical Industries	-	3	1	2	6
8. Public Works	-	1	-	-	1
9. Transportation	2	1	1	-	4
10. Postal Services & Telecommunications	2	1	-	5	8
11. Health & Welfare	2	-	1	3	6
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	-	-	-	-
14. Education	1	1	4	1	7
15. Administration	-	-	2	4	6
16. Others	2	1	2	-	5
Total	26	22	30	34	112

THE REPUBLIC OF SINGAPORE

1. Technical Cooperation of Japan International Cooperation Agency (JICA)

(Thousand yen)

Type	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y.1954-F.Y.1979 Total
1. Training Programme	101,290	118,839	164,552	195,216	944,262
2. Expert Dispatch Programme	50,670	77,161	80,161	72,953	856,229
3. Equipment Supply Programme	-	-	4,459	-	41,015
4. Overseas Technical Cooperation Centre Programme	-	2,863	251,354 (245,575)	367,888 (254,577)	1,002,179 (694,890)
5. Health and Medical Cooperation Programme	1,679	-	1,161	-	2,930
6. Industrial Development Cooperation Programme	-	-	-	-	922
7. Development Survey Programme	-	3,445	174,831	1,844	232,970
8. Development Cooperation Programme	-	652	-	1,021	1,673
Total	153,639	202,960	676,518	638,922	3,082,180

Note: (1) The figures in parenthesis indicate a provisional amount of equipment supply in respective programmes.

(2) Japan's fiscal year: April - March.

2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(Persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	2	2	2	2	8
2. Fisheries	3	1	1	3	8
3. Construction	4	4	10	20	38
4. Heavy Industries	4	4	7	5	20
5. Mining	-	-	-	-	-
6. Light Industries	-	-	2	2	4
7. Chemical Industries	3	2	1	2	8
8. Public Works	2	2	4	3	11
9. Transportation	4	8	8	12	32
10. Postal Services and Telecommunications	5	10	11	10	36
11. Health and Welfare	5	7	5	9	26
12. Atomic Energy	-	-	-	-	-
13. Management Technology	2	2	2	4	10
14. Education	7	2	1	1	11
15. Administration	27	26	39	32	124
16. Others	3	5	2	4	14
Total	71	75	95	109	350

Note: The figures indicate the number of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

(Persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	2	-	-	-	2
2. Fisheries	-	-	-	-	-
3. Construction	-	2	-	2	4
4. Heavy Industries	6	-	-	-	6
5. Mining	-	-	-	-	-
6. Light Industries	-	-	-	-	-
7. Chemical Industries	-	-	-	-	-
8. Public Works	-	-	-	-	-
9. Transportation	-	2	1	-	3
10. Postal Services and Telecommunications	-	9	1	1	11
11. Health and Welfare	-	-	-	5	5
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	-	-	-	-
14. Education	2	1	-	4	7
15. Administration	-	-	-	-	-
16. Others	-	-	-	-	-
Total	10	14	2	12	38

Note: The figures indicate the number of the experts dispatched to Singapore, excluding the number of package type experts.

2.3 Equipment Supply Programme

(Thousand yen)

Equipment	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Marine Training Equipment	-	-	4,459	-	4,459
Total	-	-	4,459	-	4,459

2.4 Overseas Technical Cooperation Centre Programme

(Thousand yen)

(Persons)

(Persons)

Project	Cooperation Period	Equipment Supply	Expert	Trainee
1. Prototype Production and Training Centre	Oct. 1966 - Oct. 1972	194,738	15	30
2. Japan - Singapore Training Centre	Jun. 1978 - Jun. 1983	500,152	20	7
3. Singapore Computer Training Centre	-	-	-	-
Total		694,890	35	37

2.5 Development Survey Programme

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Malacca and Singapore Straits (Singapore and others)	(19,532)	(46,137)	(44,568)	(11,042)	(121,279)
*Electronic Navigation Aid System	(18,256)	(15,282)	-	-	(33,538)
*Tidal and Current Studies	(1,276)	(30,855)	(34,573)	(11,042)	(77,746)
*Hydrography Survey in the One Fathan Bank Area	-	-	(9,995)	-	(9,995)
2. Submarine Cable Project (Singapore and others)	-	2,665	49,830	-	52,495
3. Economic and Technical Cooperation Survey (Singapore and others)	-	780	829	1,047	2,656
4. Dredging of Shallows Project	-	-	124,172	-	124,172
5. Follow up Survey (Singapore and others)	-	-	-	797	797
Total	-	3,445	174,831	1,844	180,120

Note: Total excludes the figures on the Malacca and Singapore Strait project (1).

2.6 Development Cooperation Programme

(Thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
Financing Cooperation Survey	-	652	-	1,021	1,673
Total	-	652	-	1,021	1,673

KINGDOM OF THAILAND

1. Technical Cooperation of Japan International Cooperation Agency (JICA)

(thousand yen)

Type	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1954-F.Y. 1979 Total
1. Training Programme	281,374	360,448	402,455	388,276	2,843,764
2. Expert Dispatch Programme	151,567	193,223	300,772	261,608	2,963,899
3. Equipment Supply Programme	9,120	64,375	28,681	83,973	274,448
4. Overseas Technical Cooperation Centre Programme	91,856 (24,117)	159,724 (119,946)	144,766 (68,177)	346,942 (188,356)	2,401,932 (1,642,905)
5. Health and Medical Cooperation Programme	151,885 (123,108)	342,008 (291,571)	297,567 (227,856)	399,962 (195,552)	2,464,485 (1,680,376)
6. Agriculture and Forestry Cooperation Programme	198,780 (92,173)	539,760 (382,652)	481,201 (250,770)	609,397 (310,000)	2,447,953 (1,362,668)
7. Industrial Development Cooperation Programme	60,974 (28,098)	222,905 (172,400)	203,581 (122,833)	168,494 (75,661)	1,205,716 (775,886)
8. Development Survey Programme	306,506	588,604	1,028,384	1,135,287	3,867,649
9. Development Cooperation Programme	12,505	10,702	12,729	46,747	96,980
10. Japan Overseas Cooperation Volunteers Programme	-	-	222	1,815	2,037
Total	1,264,567	2,481,749	2,900,358	3,442,501	18,568,863

Note: (1) The figures in parenthesis indicate a provisional amount of equipment supply in respective programmes.

(2) Japan's fiscal year: April - March. - 1 -

2. Technical Cooperation of JICA for 1976 - 1979 by Type

2.1 Training Programme

(Persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	27	40	74	43	184
2. Fisheries	22	23	6	23	74
3. Construction	18	15	11	17	61
4. Heavy Industries	5	4	6	9	24
5. Mining	2	14	3	3	22
6. Light Industries	6	7	21	5	39
7. Chemical Industries	5	8	7	6	26
8. Public Works	6	11	5	9	31
9. Transportation	14	22	24	19	79
10. Postal Services & Telecommunication	10	16	20	12	58
11. Health & Welfare	32	30	35	35	132
12. Atomic Energy	-	1	-	2	3
13. Management Technology	5	8	8	8	29
14. Education	2	2	4	4	12
15. Administration	33	37	47	34	151
16. Others	4	4	6	12	26
Total	191	242	277	241	951

Notes: The figures indicate the numbers of all the trainees participated in the training programmes in Japan.

2.2 Expert Dispatch Programme

(Persons)

Sector	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Agriculture	2	5	3	12	20
2. Fisheries	-	5	-	-	5
3. Construction	-	8	3	7	18
4. Heavy Industries	-	-	-	2	2
5. Mining	-	-	-	1	1
6. Light Industries	-	-	4	4	8
7. Chemical Industries	-	-	-	2	2
8. Public Works	7	6	6	4	23
9. Transportation	-	-	-	1	1
10. Postal Services & Telecommunications	11	2	2	6	21
11. Health & Welfare	-	4	-	5	9
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	-	4	-	4
14. Education	1	3	3	-	7
15. Administration	-	-	-	5	5
16. Others	2	-	-	-	2
Total	23	33	25	47	128

Notes: The figures indicate the numbers of the experts dispatched to Thailand, excluded package type experts.

2.3 Equipment Supply Programme

(thousand yen)

Equipment	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Equipment for Freshwater Fish Culture	9,120	-	-	-	9,120
2. Equipment for Training Research Institute (River Pollution)	-	43,013	-	-	43,013
3. Equipment for Institute of Plant Physiology	-	20,472	487	-	20,959
4. Dental Equipment for Health Centre	-	-	7,601	-	7,601
5. Integrated Highland Agriculture Development Project	-	-	20,593	24,615	45,208
6. Equipment Survey Team	-	890	-	-	890
7. Equipment for Prevention of Plant Diseases	-	-	-	18,111	18,111
8. Medical Goods	-	-	-	37,127	37,127
9. Rice Production Equipment	-	-	-	4,120	4,120
Total	9,120	64,375	28,681	83,973	186,149

2.4 Overseas Technical Cooperation Centre Programme

(thousand yen) (persons) (persons)

Project	Cooperation Period	Equipment Supply	Experts	Trainees
1. Virus Research Institute	Nov. 1961 - May 1966	44,535	12	-
2. King Mongkut's Institute of Technology (Electric & Telecommunication Training Centre)	Aug. 1960 - Jun. 1977	206,482	61	46
3. Technical Cooperation Centre for Road Construction at Songhkla	Nov. 1964 - Nov. 1968	294,955	15	12
4. Technical Cooperation Centre for Road Construction and Training at Surat Thani	May 1971 - May 1977	730,495	35	28
5. The Institute for Skill Development in the Northeast of Thailand	Dec. 1977 - Dec. 1981	109,527*	13	14
6. Furniture Industry Development Centre	Nov. 1976 - Nov. 1979	118,937*	20	11
7. King Mongkut's Institute of Technology (Technologies in Solid State, Data- Processing and Energy Conversions)	Dec. 1978 - Dec. 1982	137,974*	3	5
Total		1,642,905*	159	116

* Provisional

2.5 Health and Medical Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply	Experts	Trainees
1. National Hospital	1966 - 1969	66,067	37	-
2. Chest Surgery Hospital	1962 - 1970	4,678	5	-
3. Mahidol University, Faculty of Tropical Medicine	1965 - 1972	15,922	10	-
4. Poliomyelitis Control	Apr. 1968 - Mar. 1970	23,333	3	-
5. Psychiatric Hospital	F.Y. 1967 - 1968	8,581	1	-
6. Virus Research Institute	Nov. 1961 - 1972	55,128	33	-
7. Thai Medical Plant Research	1967 - 1972	36,425	11	-
8. Ramathibodi, Department of Ophthalmology	1968 - 1972	86,140	19	-
9. Ramathibodi, Experimental Pathology	1969 - 1972			
10. Thai National Cancer Institute	Jul. 1967 - Mar. 1980	565,879 *	147	81
11. Family Planning	Jul. 1974 - Mar. 1984	411,139 *	2	0
12. Promotion of Provincial Health Service	Apr. 1976 - Mar. 1981	319,710 *	30	32
13. Nursing Education Project	Aug. 1980 - Jul. 1985	-	4	-
14. Cambodian Refugees Camp	F.Y. 1979	28,870 *	57	-
15. Other Equipment	1966 - 1979	58,504 *	-	-
16. Medical Adviser Expert	F.Y. 1979	-	2	-
Total		1,680,376 *	361	113

* Provisional

2.6 Agriculture and Forestry Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply	Experts	Trainees
1. Sericultural Development	Mar. 1969 - Mar. 1980	570,720*	45	13
2. Animal Health Improvement Project	Mar. 1977 - Mar. 1982	240,873*	23	12
3. Irrigated Agriculture Development Project in West Bank Track of the Greater Chao Phaya	Apr. 1977 - Apr. 1982	546,075*	22	11
4. Kasetsart University Extension Development Project	Apr. 1980 - Apr. 1985	2,000*	1	2
5. National Weed Science Research Institute	Apr. 1980 - Apr. 1985	3,000*	1	-
6. Coastal Aquaculture Center in Songkla	Apr. 1981 - Mar. 1986	-	-	-
Total		1,362,668*	92	38

* Provisional

2.7 Industrial Development Cooperation Programme

Project	Cooperation Period	(thousand yen)	(persons)	(persons)
		Equipment Supply	Experts	Trainees
1. Primary Commodities Development	1967 - 1969	46,700	7	-
2. Soybean Development	Apr. 1968 - Apr. 1976	111,084	11	12
3. Oil Seed Laboratory	Nov. 1970 - Nov. 1975	88,903	7	8
4. Shrimp Culture Development	Apr. 1973 - Mar. 1978	189,714	18	19
5. Maize Development	Sept. 1976 - Sept. 1982	242,252*	17	9
6. Technological Development of Natural Rubber Processing	Apr. 1977 - Mar. 1982	97,233*	15	15
Total		775,886*	75	63

* Provisional

2.8 Development Survey Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
1. Economic & Technical Cooperation survey	1,382	-	1,913	58	3,353
2. Strengthening and Replacement of the Steel Bridges on the Line of R.S.R.	80,927	-	-	-	80,927
3. Bangkok Telephone Network	34,088	226,940	119,852	121,099	501,979
4. Pattaya Tourism Development	59,301	103,167	173,056	-	335,524
5. Separate System of Metropolitan Water Supply Works	48,600	29,936	65,333	-	143,869
6. Construction Programme of Northeastern Regional Institute for Skill Development	28,597	8,397	-	-	36,994
7. Irrigated Agricultural Development Project in the West Bank Track of the Greater Chao Phaya	37,209	48,989	-	-	86,198
8. Road Construction between Petchabun and Chaibadan	-	3,327	105,415	-	108,742

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
9. Master Plan and Feasibility Study on the Greater Mae Klong River Basin	-	106,957	147,251	92,971	347,179
10. Expansion Project of Kasetsart University	-	40,576	27,256	66	67,898
11. Suburban Mass Transit System in Bangkok and Study on Rail Commuter Service for Bangkok Project	-	-	75,946	14,530	90,476
12. Truck Terminal in Bangkok	-	-	2,391	80,669	83,060
13. Expansion Project for the Domestic Local and Long Distance Telephone Service	-	-	75,078	-	75,078
14. Construction of AIT Library	-	-	31,480	-	31,480
15. Sewerage System and Solid Waste of Bangkok Metropolis	-	-	997	67,192	68,189
16. Mae Wang Irrigated Agricultural Project	-	-	3,424	112,070	115,494

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
17. Submarine Cable Project	-	2,665	49,830	-	52,495
18. Kampaeng Saen Area Irrigated Agricultural Development Project	-	-	38,095	56,613	94,708
19. Youth's Welfare Centre	-	-	1,626	35,769	37,395
20. Nong Bua-Ban Lam Chi Bon Highway Project	-	-	-	104,520	104,520
21. Establishment Project for Maharaj Regional Hospital at Nakhon Srithamaraj Province	-	-	-	39,208	39,208
22. Petchburi Irrigated Agriculture Development Project	-	-	-	3,463	3,463
23. Cooperation between Thai - Japan Agricultural Cooperative Project	-	-	-	12,427	12,427
24. Coastal Aquaculture Centre in Songkla	-	-	-	12,201	12,201
25. Water Supply Project for Cambodian Refugees Camp	-	-	-	101,565	101,565

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
26. Rural Road Development in Northern Region	-	-	-	3,325	3,325
27. Quae Yai Regulating Dam Project	15,914	-	-	-	15,914
28. Project Finding for Industry, Mining and Power	488	-	1,214	794	2,496
29. Industrial Estate in the Northeast of Thailand	-	4,674	-	-	4,674
30. Rehabilitation Project of Mae Moh Fertilizer Plant	-	12,976	47,715	-	60,691
31. ASEAN Rock Salt and Soda Ash Project	-	-	6,324	20,527	26,851
32. Upper Quae Yai River Hydro Electric Development Project - Feasibility study -	-	-	8,829	105,225	114,054
33. Feasibility Study on the Construction of Integrated Flat Steel Mill Project	-	-	45,359	96,498	141,857

2.8 Development Survey Programme (cont'd)

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Total
34. Nam Pai Transbasin Hydro-Electric Project	-	-	-	13,585	13,585
35. Samuthakorn Industrial Estate	-	-	-	36,341	36,341
36. Follow up Survey (Thailand and others)	-	-	-	797	797
37. Others	-	-	-	3,774	3,774
Total	306,506	588,604	1,028,384	1,135,287	3,058,781

2.9 Development Cooperation Programme

(thousand yen)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979*	Total
1. Basic Survey					
(1) Maize Development	4,465	-	640	-	5,105
(2) Sinker Species Development	-	-	2,689	-	2,689
(3) Beneficial Crops Development	-	-	-	3,696	3,696
2. Financial Cooperation Survey	861	2,154	-	19,490	22,505
3. Technical Guidance Service (Participants & Experts)	7,179	8,548	9,400	17,135	42,262
Total	12,505	10,702	12,729	40,321	76,257

* Provisional

Ongoing Project-type Technical Cooperation to ASEAN Countries

