

**TECHNICAL COOPERATION
OF
JAPAN INTERNATIONAL COOPERATION AGENCY
TO
THE REPUBLIC OF INDONESIA**

DECEMBER, 1980



Japan International Cooperation Agency



国際協力事業団	
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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.

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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

(Persons)

Sector	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)	(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

