

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

June, 1981



**JAPAN INTERNATIONAL COOPERATION AGENCY**



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國際協力事業団	
受入 月日: '84. 5. 22 9	108
登録No.: 06505	36
	PLC

1. General View (Expenses by Programme)

(Thousand Yen)

Programme	Total (F.Y.1954-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980*	Grand Total * (F.Y.1954-F.Y.1980)
1. Training Programme	1,813,013	390,497	394,931	514,533	572,923	3,685,897
2. Expert Dispatch Programme	2,679,325	670,916	568,528	631,479	727,618	5,277,866
3. Equipment Supply Programme	181,509	24,412	29,535	44,903	137,601	417,960
4. Overseas Technical Cooperation Centre Programme	684,166 (453,380)	151,401 (35,206)	110,756 (23,508)	25,689 (1,804)	4,262 ( 0)	976,274 (513,898)
5. Health and Medical Cooperation Programme	699,051 (507,126)	231,498 (177,369)	211,230 (148,388)	408,483 (247,841)	389,662 (159,664)	1,939,924 (1,240,388)
6. Agriculture and Forestry Cooperation Programme	1,935,639 (867,165)	812,851 (517,686)	1,129,506 (513,144)	1,424,918 (694,090)	1,789,987 (888,869)	7,092,901 (3,480,954)
7. Industrial Development Cooperation Programme	934,873 (513,953)	133,033 (80,433)	27,271 (3,348)	76,183 (60,080)	72,754 (36,039)	1,244,114 (693,853)
8. Development Survey Programme	3,684,081	1,471,740	1,686,778	1,799,851	2,017,708	10,660,158
9. Development Cooperation Programme	103,803	82,630	68,485	88,888	56,629	400,435
10. Japan Overseas Cooperation Volunteers Programme	1,419	-	968	-	-	2,387
<b>Total</b>	<b>12,716,879</b>	<b>3,968,978</b>	<b>4,227,988</b>	<b>5,014,927</b>	<b>5,769,144</b>	<b>31,697,916</b>

Note: The figures in parenthesis indicate a total amount of equipment supply in respective programme.

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## 2. Training Programme

(Persons)

Sector	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980	Total
1. Agriculture	48	64	58	75	245
2. Fisheries	4	9	12	9	34
3. Construction	31	50	35	34	150
4. Heavy Industries	4	7	9	13	33
5. Mining	8	11	9	6	34
6. Light Industries	7	11	4	12	34
7. Chemical Industries	5	4	12	6	27
8. Public Works	10	4	8	16	65
9. Transportation	31	24	20	36	111
10. Postal Services and Telecommunications	24	19	12	24	79
11. Health and Welfare	20	30	34	44	128
12. Atomic Energy	-	-	3	2	5
13. Management Technology	7	7	7	6	27
14. Education	4	7	14	4	29
15. Administration	34	24	47	34	139
16. Others	3	3	9	14	29
<b>Total</b>	<b>240</b>	<b>274</b>	<b>293</b>	<b>335</b>	<b>1,142</b>

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

### 3. Expert Dispatch Programme

(Persons)

Sector	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980	Total
1. Agriculture	6	3	20	21	50
2. Fisheries	4	2	4	4	14
3. Construction	25	9	9	7	50
4. Heavy Industries	-	-	-	2	2
5. Mining	11	-	1	7	19
6. Light Industries	-	-	-	-	-
7. Chemical Industries	-	-	-	-	-
8. Public Works	-	-	-	3	3
9. Transportation	1	2	-	6	9
10. Postal Services and Telecommunications	10	6	2	8	26
11. Health and Welfare	1	-	-	-	1
12. Atomic Energy	-	-	-	-	-
13. Management Technology	-	1	-	3	4
14. Education	2	18	12	-	32
15. Administration	7	3	1	1	12
16. Others	-	-	-	2	2
<b>Total</b>	<b>67</b>	<b>44</b>	<b>49</b>	<b>64</b>	<b>224</b>

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

#### 4. Equipment Supply Programme

(Thousand Yen)

Equipment	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
1. Soil and Geological Research Equipment	19,957	19,969	-	-	39,926
2. Irrigation Equipment	4,455	9,566	-	-	14,021
3. Hydraulics Research Equipment	-	-	40,783	-	40,783
4. Rice Production Equipment	-	-	4,120	-	4,120
5. Equipment for Respiratory Function Test	-	-	-	9,196	9,196
6. Natural Rubber Research Equipment	-	-	-	90,007	90,007
7. Fisheries Research Equipment	-	-	-	38,398	38,398
<b>Total</b>	<b>24,412</b>	<b>29,535</b>	<b>44,903</b>	<b>137,601</b>	<b>236,451</b>

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## 5. Project-Type Technical Cooperation

### 5.1 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	-	-	3	0
Total		513,898	25	38

5. Project-Type Technical Cooperation (continued)

5.2 Health and Medical Cooperation Programme

(Thousand Yen) (Persons) (Persons)

Project	Cooperation Period	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	526,033 *	24	12
8. Centre for Biomedical Research	Apr. 1975 - Mar. 1982	254,053 *	32	20
9. Health Control in North Sumatra and Surrounding Asahan Project Area	Apr. 1978 - Mar. 1983	142,753 *	30	12
10. Nurse Education	Nov. 1978 - Nov. 1983	54,907 *	11	5
11. Medical Adviser Experts	F.Y. 1973, 1977, 1978, 1979	-	5	-
12. Other Equipment (Special Medical Equipment)	F.Y. 1976, 1977, 1980	25,088 *	-	-
Total		1,240,388 *	163	68



5. Project-Type Technical Cooperation (continued)

5.3 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	457,807 *	35	40
4. Japan-Indonesia Joint Food Crop Research Programme	Oct. 1978 - Oct. 1983	531,108 *	54	40
5. Lampung Agricultural Development Project	Nov. 1972 - Nov. 1980	692,632 *	26	43
6. South Sulawesi Regional Agricultural Development Planning	Dec. 1976 - Jun. 1981	162,338 *	40	23
7. Animal Health Improvement Programme	Jul. 1977 - Jul. 1982	216,724 *	14	13
8. Agricultural Products Processing Pilot Plant Project, IPB	Oct. 1977 - Oct. 1982	228,493 *	17	16
9. Mountain Logging Practice Project in Java	Apr. 1978 - Jun. 1982	283,835 *	18	15
10. Mariculture Development Project	Aug. 1978 - Mar. 1982	125,613 *	8	5
11. Middle Level Agricultural Technician Training Project	Mar. 1979 - Mar. 1984	117,837 *	9	8

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5. Project-Type Technical Cooperation (continued)

5.3 Agriculture and Forestry Cooperation Programme (Continued).

Project	Cooperation Period	(Thousand Yen)	(Persons)	(Persons)
		Equipment Supply	Expert	Trainee
12. Afforestation Project in South Sumatra	Apr. 1979 - Apr. 1984	209,654 *	12	3
13. Remote Sensing Engineering Project	Apr. 1980 - Mar. 1985	75,657 *	-	2
14. Strengthening of Plant Protection Service	Jun. 1980 - Jun. 1985	48,637 *	9	-
15. Establishment of Construction Guidance Service Centre in Irrigation/Drainage Engineering	-	-	-	-
16. Riam Kanan Pilot Farm Project	-	-	-	-
Total		3,480,954 *	265	208

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5. Project-Type Technical Cooperation (continued)

5.4 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	99,467 *	15	8
Total		693,853 *	45	12

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6. Development Survey Programme

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
1. Malacca and Singapore Strait (Indonesia and others)	(46,137)	(44,568)	(11,042)	(24,711)	(126,458)
*Electronic Navigation Aid System	(15,282)	-	-	-	(15,282)
*Tidal and Current Studies	(30,855)	(34,573)	(11,042)	(24,711)	(101,181)
*Hydrographic Survey in the One Fathan Bank Area	-	(9,995)	-	-	(9,995)
2. Central South Surawesi Water Resources Development	77,197	370,381	144,165	-	591,743
3. Wonogiri Dam Feasibility Study	2,273	-	-	-	2,273
4. Wonogiri Irrigation and River Improvement	2,494	-	-	-	2,494
5. Central Java Regional Development	39,907	-	-	-	39,907
6. Overall Urar River Improvement	150,420	54,824	-	-	205,244
7. Central and East Java Road					
8. Training Centre of Rating	37,177	-	-	-	37,177
9. Banjarmasin Ports Development	33,961	-	-	-	33,961
10. Basic and Practical Study for Master Plan in Land Erosion and Volcanic Debris Control in Area of Mt. Merapi	155,886	123,074	80,970	152	360,082

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## 6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
11. Jakarta Ring Road	118,490	8,039	-	-	126,529
12. Northern and Western Sumatra Tourism Development	178,267	1,287	-	-	179,554
13. Extension Project of the Bitung Port	96,011	63	-	-	96,074
14. Forestry Inventory for Management and Logging Plan to Central Java	51,944	454	-	-	52,398
15. Technical Cooperation Survey (Indonesia and Others)	3,683	1,267	1,388	1,256	7,594
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	159	74,984
22. Nurse Education Facilities	-	38,853	26	-	38,879

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	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 (Phase I, Phase II)	-	4,728	114,256	84,612	203,596
27. Improvement of Telephone Network System in Jakarta	-	3,813	112,877	134,269	250,959
28. Upper Komering River Basin Agricultural Development	-	12,132	181,870	164,893	358,895
29. Low Cost Housing Project in Depok	-	3,882	65,869	118,310	188,061
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	213	113,538
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

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
34. Combined Transportation Survey in Medan	-	5,421	118,308	61,629	185,358
35. Makassar Shipyard	-	-	2,188	96,084	98,272
36. Standard Package Water Supply Treatment Plan for Medium and Small Scale Cities	-	-	16,973	66,055	83,028
37. Pelabuhan Ratu Fish Port	-	-	5,334	749	6,083
38. Telecommunication Network in Developing Area Surrounding Medan and Ujung Pandang	-	-	4,795	53,374	58,169
39. Jakarta Harbour Road	-	-	3,182	155,905	159,087
40. Development of Lang Keuame Irrigation	-	-	2,697	147,236	149,933
41. Rural Road Development	-	-	19,161	46,977	66,138
42. The Urban/Sub-Urban Railway Transportation Study in JABOTABEK Area	-	-	4,288	138,850	143,138
43. Urgent Improvement of Madiun River	-	-	26,795	64,656	91,451
44. Middle Level Agricultural Technical Training Centre - Basic Design	-	-	13,232	15,846	29,078

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980*	Total*
45. Indo-China Refugees Centre (Indonesia and others)	-	-	9,225	-	9,225
46. Master Planning and Pre-design of Sorong Port	-	-	6,590	106,916	113,506
47. Sumatra Chemical Training and Development Centre - Basic Design	-	-	13,115	20,261	33,376
48. Domestic Airport Development Project (Padang)	-	-	-	3,685	3,685
49. Development of Marine Telecommunication System	-	-	-	14,613	14,613
50. Multi Media Training Centre	-	-	-	3,192	3,192
51. Biomass Energy Research and Development Centre	-	-	-	19,905	19,905
52. Studies on Post-Harvest Losses	-	-	-	5,154	5,154
53. Establishment of Crops Pest Surveillance and Forecasting Centre	-	-	-	4,346	4,346
54. Utilization of Lesser-Known Wood Species	-	-	-	5,844	5,844
55. Marunda Timber Estate and Terminal	-	-	-	3,681	3,681

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980*	Total*
56. Bila Irrigation Project	-	-	-	4,736	4,736
57. Forest Inventory for the Management Plan for Upper-Musi Watershed in South Sumatra	-	-	-	2,901	2,901
58. Sadan Hydroelectric Power Development	5,922	-	-	-	5,922
59. Project Finding-Mining, Industry and Power Production (Indonesia and others)	-	591	795	377	1,763
60. Mineral Resources Development in Central Kalimantan	201,845	79,304	-	-	281,149
61. Rehabilitation of Ombilin-Coal Mines	39,156	111,085	67,582	92,821	310,644
62. Thermalelectric Power Development of Bukit Asam	56,247	2,520	-	-	58,767
63. Geological Survey in Uranium Minerals in Sumatra	871	2	2,291	-	3,164
64. Construction of Urea Plant in Aceh	46,937	42,751	-	-	89,688
65. Energy Supply-Demand Data Bank System	5,806	17,494	29,025	22,899	75,224

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
66. Energy Data Bank System for Petroleum Exploration and Development	-	35,970	51,469	82,198	169,637
67. Maung Hydroelectric Power Development	-	36,902	158,318	57,535	252,755
68. Pulp and Paper Mills	-	10,290	3,833	-	14,123
69. Metallic Mineral Exploration in West Kalimantan	-	-	63,142	102,619	165,761
70. Feasibility Study for North Sumatra Transmission	-	-	34,331	1,115	35,446
71. Volcanological Survey (Geothermal Development Project)	-	-	10,068	31,771	41,839
72. Industrial Standardization	-	-	4,795	-	4,795
73. Development of Small Scale Industry	-	-	5,866	414	6,280
74. Follow-up Survey (Indonesia and others)	-	-	797	-	797
75. Asahan Hydro-Electric Power Development Project	-	-	-	21,005	21,005

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6. Development Survey Programme (continued)

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
76. Medan Foundary Centre Development Project	-	-	-	30,470	30,470
77. Condom Supply and Local Production	-	-	-	11,926	11,926
78. Riam Kiwa Hydro-Electric Power Development Project	-	-	-	16,099	16,099
Total	1,471,740	1,686,778	1,799,851	2,017,708	6,976,077

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

7. Development Cooperation Programme

(Thousand Yen)

Project	F.Y. 1977	F.Y. 1978	F.Y. 1979	F.Y. 1980 *	Total *
1. Basic and Development Survey					
(1) Forestry Development Project in South Sumatra	24,774	45,297	18,493	5,153	93,717
(2) Forestry Development Project in Central Sulawesi	39,782	5,688	-	-	45,470
(3) Forestry Development of the Barito River Upper Basin	-	-	11,351	23,561	34,912
(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	5,307	4,333	6,978	3,338	19,956
3. Technical Guidance Service	12,767	13,167	21,638	24,577	72,149
<b>Total</b>	<b>82,630</b>	<b>68,485</b>	<b>88,888</b>	<b>56,629</b>	<b>296,632</b>

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