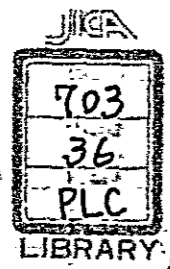


TECHNICAL COOPERATION  
OF  
JAPAN INTERNATIONAL COOPERATION AGENCY  
TO  
THE FEDERATIVE REPUBLIC OF BRAZIL

APRIL, 1981



Japan International Cooperation Agency



国際協力事業団	
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1. Expenses of JICA's Technical Cooperation to Brazil

1.1 Expenses by type

(Upper: 1,000 Yen)  
(Lower: U.S. \$ 1,000)\*

Type	Total (F.Y.1958-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1958-F.Y.1980**)
Training & Observation (No. of Brazilian Participants)	656,661 3,037 (590)	146,522 678 (84)	181,118 838 (97)	201,048 930 (114)	242,540 1,122 (169)	1,427,889 6,604 (1,054)
Expert Dispatch (No. of Japanese Experts)	899,168 4,159 (159)	307,334 1,422 (29)	383,719 1,775 (44)	476,990 2,206 (36)	319,105 1,476 (58)	2,386,316 11,038 (326)
Survey Mission Dispatch (No. of Member of Survey Mission)	416,980 1,929 (207)	107,016 495 (48)	221,225 11,023 (88)	72,913 337 (49)	218,849 1,012 (108)	1,036,983 4,796 (500)
Equipment Supply	703,568 3,254	351,731 1,627	289,715 1,340	272,706 1,261	411,859 1,905	2,029,579 9,388
Others	25,555 118	9,544 44	16,888 78	13,200 62	34,416 159	99,603 461
Total	2,701,932 12,497	922,147 4,266	1,092,665 5,054	1,036,857 4,796	1,226,769 5,674	6,980,370 32,287

\* At the Conversion Rate of 216<sup>20</sup> Japanese Yen to U.S. Dollar.

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1. Expenses of JICA's Technical Cooperation to Brazil (continued)

1.2 Expenses by Programme

(Unit: 1,000 Yen)

Programme	Total (F.Y.1958-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1958-F.Y.1980**)
1. Training Programme	655,661	146,522	181,118	198,341	242,540	1,424,182
2. Expert Dispatch Programme	699,588	205,268	192,683	205,300	142,347	1,445,186
3. Equipment Supply Programme	63,833	29,651	11,856	20,634	7,000	132,974
4. Overseas Technical Cooperation Centre Programme	288,859	4,242	11,179	68,159	119,768	492,207
5. Health and Medical Cooperation Programme	313,626	23,819	18,768	12,736	123,372	492,321
6. Agriculture, Forestry and Fishery Cooperation Programme	312,387	406,748	393,191	379,446	317,789	1,809,561
7. Industrial Development Cooperation Programme	20,591	18,640	53,976	84,396	73,428	251,031
8. Development Survey Programme	245,129	47,375	153,871	8,108	166,109	620,592
9. Development Cooperation Programme	75,703	30,338	59,135	46,537	34,416	246,129
10. Others	25,555	9,544	16,888	13,200	0	65,187
<b>Total</b>	<b>2,700,932</b>	<b>922,147</b>	<b>1,092,665</b>	<b>1,036,857</b>	<b>1,226,769</b>	<b>6,979,370</b>

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2. Performance of JICA's Technical Cooperation by Type

2.1 Number of Brazilian Participants

(Persons)

Sector	Total (F.Y.1960-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Grand Total (F.Y.1958-F.Y.1980)
1. Agriculture	116	23	20	22	30	211
2. Fisheries	22	2	4	5	3	36
3. Construction	28	5	3	9	15	60
4. Heavy Industries	24		3	4	5	36
5. Mining	7		1	3	6	17
6. Light Industries	32	5	4	5	10	56
7. Chemical Industries	9		2	2	6	19
8. Public Works	62	6	3	3	7	81
9. Transportation	64	10	13	8	10	105
10. Postal Services & Telecommunication	60	2	6	6	13	87
11. Health & Welfare	45	10	11	16	21	103
12. Atomic Energy	1		1			2
13. Management Technology	38	7	8	7	10	70
14. Education	8	1		2	5	16
15. Administration	61	13	18	21	28	141
16. Others	13			1		14
<b>Total</b>	<b>590</b>	<b>84</b>	<b>97</b>	<b>114</b>	<b>169</b>	<b>1,054</b>

2. Performance of JICA's Technical Cooperation by Type (continued)

2.2 Number of Japanese Experts

(Persons)

Sector	Total (F.Y.1958-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Grand Total (F.Y.1958-F.Y.1980)
1. Agriculture	52	10	17	14	21	114
2. Fisheries	11					11
3. Construction	7			4	4	15
4. Heavy Industries	2	3	3	2		10
5. Mining	2	5	5	1	6	19
6. Light Industries	16			2	1	19
7. Chemical Industries	3					3
8. Public Works	9	1				10
9. Transportation	14	2	9		11	36
10. Postal Services & Telecommunication	3	1	1	1	4	10
11. Health & Welfare	18	2	1	5	7	33
12. Atomic Energy	3	1	1	1	1	7
13. Management Technology	1		1	1		3
14. Education	7	1				9
15. Administration	8	3	6	5	1	24
16. Others	3				2	3
<b>Total</b>	<b>159</b>	<b>29</b>	<b>44</b>	<b>36</b>	<b>58</b>	<b>326</b>

2. Performance of JICA's Technical Cooperation by Type (continued)

2.3 Equipment Supply Programme

(Unit: 1,000 Yen)

Equipment	Total (F.Y.1962-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1962-F.Y.1980**)
1. Equipment accompanied by Experts & Survey Missions up to 1976	69,136					69,136
2. Textile Training Center in Recife, (Health and Medical Cooperation Programme, 1962-1973)	196,118					196,118
3. Institute of Tropical Medicine, National University of Pernambuco Medical School. (Health and Medical Cooperation Programme, 1967-1971)	24,719					24,719
4. Equipments to 14 Research Institute or University (Equipments Supply Programme, 1964-1976)	63,833					63,833
5. Instituto de Geriatria da Pontificia Universidadada Católica do Rio Grande do sul. (Health and Medical Cooperation Programme) from 1974	176,698	10,107	11,915	330		199,050

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2. Performance of JICA's Technical Cooperation by Type (continued)

(Unit: 1,000 Yen)

Equipment	Total (F.Y.1962-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1962-F.Y.1980**)
6. Desenvolvimento Agrícola do Vale do Ribeira. (Agriculture, Forestry and Fishery Cooperation Programme) from 1974	173,064	89,063	147,919	44,215	50,000	504,261
7. Textile Machinery to Pernambuco Foundation. (Equipment Supply Programme)		10,751				10,751
8. Emanation equipments to São Paulo to Atomic Energy Institute. (Equipment Supply Programme)		18,900	11,856			30,756
9. Agricultural Research Cooperation. (Agriculture, Forestry and Fishery Programme)		207,775	99,068	101,907	82,000	490,750
10. Equipments accompanied by Experts and Survey Missions in 1977.		15,135				15,135
11. Technical Training Centre for Textile Industry. (Overseas Technical Cooperation Centre Programme)			2,116			2,116

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2. Performance of JICA's Technical Cooperation by Type (continued)

(Unit: 1,000 Yen)

Equipment	Total (F.Y.1962-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1962-F.Y.1980**)
12. Technical Cooperation on the Development of Mineral Resources. (Industrial Development Cooperation Programme)			2,930	1,907	10,000	14,837
13. Equipments accompanied by Experts and Survey Missions in 1978.			13,911			13,911
14. Equipment for Agricultural Research to EMBRAPA. (Equipment Supply Programme)				8,420		8,420
15. Equipments for Horticultural Research to São Joaquin Agricultural Experiment Station. (Equipment Supply Programme)				11,230		11,230
16. SENAI Electrical and Electronic Vocational Training Centre. (Overseas Technical Cooperation Centre Programme)				50,325	96,495	146,820
17. Medical Equipment Accompanied by 2 Japanese Doctors.				1,340		1,340

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2. Performance of JICA's Technical Cooperation by Type (continued)

(Unit: 1,000 Yen)

Equipment	Total (F.Y.1962-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1962-F.Y.1980**)
18. Forestry Research in São Paulo. (Agriculture, Forestry and Fishery Cooperation Programme)				32,538	56,364	88,902
19. Equipments Accompanied by Experts and Survey Missions in 1979.				20,494		20,494
20. Equipment for Parasitology Study. (Equipment Supply Programme)					7,000	7,000
21. Biological Production Project. (Health and Medical Cooperation Programme)					110,000	110,000
Total	703,568	351,731	289,715	272,706	411,859	2,029,579

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3. Outline of Project-Type Cooperation

3.1 Overseas Technical Cooperation Centre Programme

(Unit: 1,000 Yen)

Project	Cooperation Period	Total Expenses Disbursed**	Japanese Experts (persons)	Brazilian Participants (persons)
1. Technical Training Centre for Textile Industry	Mar.1962-Nov.1973	288,859	11	3
2. SENAI Electrical and Electronic Vocational Training Centre	Mar.1979-Mar.1984	203,348	13	6
Total		492,207	24	9

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3. Outline of Project-Type Cooperation (continued)

3.2 Health and Medical Cooperation Programme

(Unit: 1,000 Yen)

Project	Cooperation Period	Total Expenses Disbursed <sup>**</sup>	Japanese Experts (persons)	Brazilian Participants (persons)
1. Institute of Tropical Medicine, National University of Pernambuco Medical School.	Oct.1967-Oct.1971	84,386	11	10
2. Instituto de Geriatria da Pontifica Universidadada Católica do Rio Grande do Sul.	Jan.1974-Mar.1979	280,141	12	22
3. Biologicals Production Project.	Aug.1980-Aug.1983	127,794	5	4
Total		492,321	28	36

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3. Outline of Project-Type Cooperation (continued)

3.3 Agriculture, Forestry and Fishery Cooperation Programme

(Unit: 1,000 Yen)

Project	Cooperation Period	Total Expenses Disbursed**	Japanese Experts (persons)	Brazilian Participants (persons)
1. Desenvolvimento Agícola do Vale do Ribeira.	Mar.1975-up to the conclusion of agreement. Then, the cooperation will be extended for some years.	919,144	18	21
2. Agricultural Research Cooperation.	Sept.1977-Sep.1982	710,757	27	14
3. Forestry Research in São Paulo.	Apr. 1979-Mar.1984	179,660	10	4
Total		1,809,561	55	39

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3. Outline of Project-Type Cooperation (continued)

3.4 Industrial Development Cooperation Programme

(Unit: 1,000 Yen)

Project	Cooperation Period	Total Expenses Disbursed**	Japanese Experts (persons)	Brazilian Participants (persons)
1. Development of Mineral Resources	Jul.1977-Mar.1981	186,975	18	0
2. The Small and Medium Scale Industry Development of Parana State.	Oct.1980-Oct.1984	49,342	6	0
3. Preliminary Survey	-	14,714		
Total		251,031	24	0

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## 4. Development Survey Programme

(Unit: 1,000 Yen)

Project	Total (F.Y.1965-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1965-F.Y.1980**)
1. Industrial Development Survey for Timber Utilization. (1965)	7,579					7,579
2. Electric Development Survey in North-East Brazil. (1966)	9,082					9,082
3. Mineral Resource Development Survey (1969-1970)	8,768					8,768
4. Export Corridors Survey (1972)	20,836					20,836
5. Basic Survey for Economic Development (1972-1974)	39,082					39,082
6. Survey for Construction of New Railway (1974-1975)	58,230					58,230
7. Suape Coastal Industrial Estate Survey. (1975-1976)	54,363					54,363
8. Survey on the Construction of the Praia Mole Port. (1976)	47,189	41,541				88,730
9. Vitória Urban Development Survey.		5,834	166			6,000

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## 4. Development Survey Programme (continued)

(Unit: 1,000 Yen)

Project	Total (F.Y.1965-F.Y.1976)	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980**	Grand Total (F.Y.1965-F.Y.1980**)
10. Development Study in Goias, Minas Gerais and Espirito Santo State.			120,367	1,392		121,759
11. Fishery Resource Survey.			6,887	763		7,650
12. Fact Finding of Alcohol Project.			26,451			26,451
13. Survey on the Cooperation for the Fireman Training Centre.				5,953	69,800	75,753
14. Basic Survey for Mineral Resource Development					70,000	70,000
15. Regional Development Study of the Carajas Corridor and Its Surrounding Area					8,725	8,725
16. Technical Cooperation Survey					4,966	4,966
17. Planned but not executed in 1980					12,618	12,618
<b>Total</b>	<b>245,129</b>	<b>47,375</b>	<b>153,871</b>	<b>8,108</b>	<b>166,109</b>	<b>620,592</b>

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5. Development Cooperation Programme

Project	F.Y.1974 F.Y.1975	F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980 <sup>**</sup>	Grand Total (F.Y.1974-F.Y.1980 <sup>**</sup> )
1. Performance in 1974, 1975	30,733						} 246,329
2. Basic Survey							
(1) Agricultural Development in the Cerrado Region		26,219	23,959	18,163	19,195	} 34,416	
(2) Agricultural Development in the Pará State					7,395		
(3) Performance Trials for Reforestation in Amazon		13,017	6,379	21,505	3,823		
3. Financial Cooperation Survey		5,734		9,823	8,695		
4. Technical Guidance Service				9,644	7,429		
<b>Total</b>	<b>30,733</b>	<b>44,970</b>	<b>30,338</b>	<b>59,135</b>	<b>46,537</b>	<b>34,416</b>	<b>246,329</b>

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