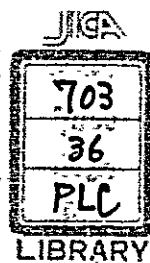


TECHNICAL COOPERATION  
OF  
JAPAN INTERNATIONAL COOPERATION AGENCY  
TO  
BRAZIL

OCTOBER, 1980

JAPAN INTERNATIONAL COOPERATION AGENCY



国際協力事業団

受入 月日 '84. 4. -3	703
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## 1. Expenses of JICA's Technical Cooperation to Brazil

### 1.1 Expenses by type

(Upper: Thousand US Dollars\*)  
(Lower: Thousand Cruzeiros\*\*)

Type	Total (F.Y. 1958 - F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1958 - F.Y. 1979)
Training & Observation (No. of Brazilian Participants)	2,633 132,726 (524)	516 26,030 (66)	704 35,477 (84)	870 43,854 (97)	966 48,680 (114)	5,689 286,767 (885)
Expert Dispatch (No. of Japanese Experts)	3,211 161,838 (135)	1,108 55,878 (24)	1,476 74,415 (29)	1,843 92,910 (44)	2,291 115,494 (36)	9,929 500,535 (268)
Survey Mission Dispatch (No. of Member of Survey Mission)	1,433 72,020 (149)	574 28,946 (58)	514 25,912 (48)	1,063 53,565 (88)	345 17,652 (49)	3,929 198,095 (392)
Equipment Supply	2,659 134,038	720 36,317	1,689 85,165	1,392 70,149	1,310 66,031	7,770 391,700
Others	70 3,496	53 2,692	46 2,311	81 4,089	63 3,196	313 15,784
<b>Total</b>	<b>10,006</b> <b>504,118</b>	<b>2,971</b> <b>149,863</b>	<b>4,429</b> <b>223,280</b>	<b>5,249</b> <b>264,567</b>	<b>4,975</b> <b>251,053</b>	<b>27,630</b> <b>1,392,881</b>

\* At the Conversion Rate of 208.20 Japanese Yen to the Dollar.

\*\* At the Conversion Rate of 4.13 Japanese Yen to the Cruzeiro.

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1.2 Expenses by Programme

(Thousand Cruzeiros\*)

Programme	Total (F.Y. 1958 – F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1958 – F.Y. 1979)
1. Training Programme	132,727	26,030	35,477	43,854	48,024	286,112
2. Expert Dispatch Programme	131,040	38,352	49,702	46,654	49,709	315,457
3. Equipment Supply Programme	15,456	0	7,179	2,871	4,996	30,502
4. Overseas Technical Cooperation Centre Programme	69,942	0	1,027	2,707	16,503	90,179
5. Health and Medical Cooperation Programme	53,416	22,523	5,767	4,544	3,084	89,334
6. Agriculture and Forestry Cooperation Programme	40,565	35,073	98,486	95,204	91,876	361,204
7. Industrial Development Cooperation Programme	3,318	1,668	4,513	13,069	20,435	43,003
8. Development Survey Programme	46,718	12,635	11,471	37,257	1,963	110,044
9. Development Cooperation Programme	7,440	10,890	7,347	14,318	11,267	51,262
10. Others	3,496	2,692	2,311	4,089	3,196	15,784
<b>Total</b>	<b>504,118</b>	<b>149,863</b>	<b>223,280</b>	<b>264,567</b>	<b>251,053</b>	<b>1,392,881</b>

\* At the Conversion Rate of 4.13 Japanese Yen to the Cruzeiro.

2. Performance of JICA's Technical Cooperation for 1976 – 1979 by Type

2.1 Number of Brazilian Participants

(Persons)

Sector	Total (F.Y. 1960–F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1958–F.Y. 1979)
1. Agriculture	104	12	23	20	22	181
2. Fisheries	18	4	2	4	5	33
3. Construction	25	3	5	3	9	45
4. Heavy Industries	24			3	4	31
5. Mining	7			1	3	11
6. Light Industries	30	2	5	4	5	46
7. Chemical Industries	6	3		2	2	13
8. Public Works	58	4	6	3	3	74
9. Transportation	58	6	10	13	8	95
10. Postal Services & Telecommunication	59	1	2	6	6	74
11. Health & Welfare	39	6	10	11	16	82
12. Atomic Energy	1			1		2
13. Management Technology	32	6	7	8	7	60
14. Education	8		1		2	11
15. Administration	42	19	13	18	21	113
16. Others	13				1	14
Total	524	66	84	97	114	885

2.2 Number of Japanese Experts

Sector	(Persons)					Grand Total (F.Y. 1958-F.Y. 1979)
	Total (F.Y. 1958-F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	
1. Agriculture	43	9	10	17	14	93
2. Fisheries	11					11
3. Construction	3	4			4	11
4. Heavy Industries	0	2	3	3	2	10
5. Mining	2		5	5	1	13
6. Light Industries	16				2	18
7. Chemical Industries	2	1				3
8. Public Works	8	1	1			10
9. Transportation	14		2	9		25
10. Postal Services & Telecommunication	2	1	1	1	1	6
11. Health & Welfare	15	3	2	1	5	26
12. Atomic Energy	2	1	1	1	1	6
13. Management Technology	1			1	1	3
14. Education	6	1	1			8
15. Administration	7	1	3	6	5	22
16. Others	3					3
<b>Total</b>	<b>135</b>	<b>24</b>	<b>29</b>	<b>44</b>	<b>36</b>	<b>268</b>

### 2.3 Equipment Supply Programme

(Thousand Cruzeiros\*)

Equipment	Total (F.Y. 1962-F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1962-F.Y. 1979)
1. Instituto de Geriatria da Pontifica Universidade Católica do Rio Grande do sul. (Health and Medical Cooperation Programme)	28,001	9,987	2,447	2,884	80	
2. Medical equipments to Amazonia Hospital. (Equipment Supply Programme)		4,161				
3. Desenvolvimento Agrícola do Vale do Ribeira. (Agriculture and Forestry Cooperation Programme)	23,993	17,911	21,565	35,816	10,706	
4. Equipment accompanied by Experts & Survey Missions in 1976.		4,258				
5. Textile Machinery to Pernambuco Foundation. (Equipment Supply programme)			2,603			
6. Emanation equipments to São Paulo to Atomic Energy Institute. (Equipment Supply Programme)			4,576	2,871		
7. Agricultural Research Cooperation.			50,309	23,988	24,675	
8. Equipments accompanied by Experts and Survey Missions in 1977.			3,665			

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.

(Thousand Cruzeiros\*)

Equipment	Total (F.Y. 1962-F.Y.1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1962-F.Y. 1979)
9. Technical Training Centre for Textile Industry. (Overseas Technical Cooperation Centre Programme)				512		
10. Technical Cooperation on the Development of Mineral Resources. (Industrial Development Cooperation Programme)				710	462	
11. Equipments accompanied by Experts and Survey Missions in 1978.				3,368		
12. Equipment for Agricultural Research to EMBRAPA. (Equipment Supply Programme)					2,039	
13. Equipments for Horticultural Research to São Joaquin Agricultural Experiment Station. (Equipment Supply Programme)					2,719	
14. SENAI Electrical and Electronic Vocational Training Centre. (Overseas Technical Cooperation Centre Programme)					12,185	
15. Medical Equipment Accompanied by 2 Japanese Doctors.					324	
16. Forestry Research in São Paulo. (Agriculture and Forestry Cooperation Programme)					7,879	

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.



(Thousand Cruzeiros\*)

Equipment	Total (F.Y. 1962-F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1962-F.Y. 1979)
17. Equipments Accompany by Experts and Survey Missions in 1979.					4,962	
18. Others	82,044					
Total	134,038	36,317	85,165	70,149	66,031	391,700

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.

### 3. Outline of Project-Type Cooperations

#### 3.1 Overseas Technical Cooperation Centre Programme

Project	Cooperation Period	Total Expenses Disbursed (Thousand Cruzeiros*)	Japanese Experts (persons)	Brazilian Participants (persons)
1. Technical Training Centre for Textile Industry	Mar. 1962–Nov. 1973	70,454	11	3
2. SENAI Electrical and Electronic Vocational Training Centre	Mar. 1979–Mar. 1984	19,725	6	1
Total		90,179	17	4

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiros.

### 3.2 Health and Medical Cooperation Programme

Project	Cooperation Period	Total Expenses Disbursed (Thousand Cruzeiros*)	Japanese Experts (persons)	Brazilian Participants (persons)
1. Institute of Tropical Medicine, National University of Pernambuco Medical School.	Oct. 1967–Oct. 1971	28,598	11	10
2. Instituto de Geriatria da Pontifica Universidade Católica do Rio Grande do Sul.	Jan. 1974–Mar. 1979	59,665	12	22
3. Biologicals Production Project.	Aug. 1980–Aug. 1983	1,071	0	0
Total		89,334	23	32

\* At the Conversion Rate of 4.13 Japanese Yen to the Cruzeiros.

### 3.3 Agriculture and Forestry Cooperation Programme

Project	Cooperation Period	Total Expenses Disbursed (Thousand Cruzeiros*)	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.	201,025	19	19
2. Agricultural Research Cooperation.	Sept. 1977--Sep. 1982	143,949	13	9
3. Forestry Research in São Paulo.	Apr. 1979--Mar. 1984	16,230	4	3
Total		361,204	36	31

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.

### 3.4 Industrial Development Cooperation Programme

Project	Cooperation Period	Total Expenses Disbursed (Thousand Cruzeiros*)	Japanese Experts (persons)	Brazilian Participants (persons)
1. Development of Mineral Resources	Jul. 1977–Mar. 1981	36,807	10	7
2. The Small and Medium Scale Industry Development of Parana State.	Oct. 1980–Oct. 1984	2,633	–	–
3. Preliminary Survey	–	3,563	–	–
Total		43,003	10	7

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.

3.5 Development Survey Programme

(Thousand Cruzeiros\*)

Project	Total (F.Y. 1965–F.Y. 1975)	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1965–F.Y. 1979)
1. Survey on the Construction of the Praia Mole Port.		11,426	10,058			
2. Suape Coastal Industrial Estate Survey.	1,085	1,209				
3. Vitória Urban Development Survey.			1,413	40		
4. Development Study in Goiás, Minas Gerais and Espírito Santo State.				29,145	337	
5. Fishery Resource Survey.				1,668	185	
6. Fact Finding of Alcohol Project.				6,404		
7. Survey on the Cooperation for the Fireman Training Centre.					1,441	
8. Others	45,633					
<b>Total</b>	<b>46,718</b>	<b>12,635</b>	<b>11,471</b>	<b>37,257</b>	<b>1,963</b>	<b>110,044</b>

\* At the Conversion Rate 4.13 Japanese Yen to the Cruzeiro.

### 3.6 Development Cooperation Programme

(Thousand Cruzeiros\*)

Project	F.Y. 1976	F.Y. 1977	F.Y. 1978	F.Y. 1979	Grand Total (F.Y. 1974–F.Y. 1979)
1. Basic Survey					
(1) Agricultural Development in the Cerrado Region	6,348	5,801	4,398	4,467	
(2) Agricultural Development in the Pará State				1,790	
(3) Performance Trials for Reforestation in Amazon	3,152	1,546	5,207	926	
2. Financial Cooperation Survey	1,390		2,378	2,105	
3. Technical Guidance Service			2,355	1,799	
<b>Total</b>	<b>10,890</b>	<b>7,347</b>	<b>14,318</b>	<b>11,267</b>	<b>51,262</b>

\* At the Conversion Rate of 4.<sup>13</sup> Japanese Yen to the Cruzeiro.

