

**JICA'S TECHNICAL COOPERATION  
IN  
PEOPLE'S REPUBLIC OF BANGLADESH**

1982



**Japan International Cooperation Agency**



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MAP: LOCATIONS OF JICA'S TECHNICAL COOPERATION IN PEOPLE'S REPUBLIC OF BANGLADESH

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## Introduction

The Japan International Cooperation Agency (JICA) is a governmental organization established in 1974. JICA performs activities related to international cooperation with developing countries.

In order to implement the work smoothly and effectively, JICA obtains extensive cooperation from governmental organs, local autonomous bodies and private enterprises in Japan, keeping in close contact with governments of developing countries and international organizations.

The following is an outline of the operations carried out by JICA:

- (1) to extend technical cooperation to developing areas on a government-to-government basis;
- (2) to carry out the work necessary for the promotion of the activities of the Japan Overseas Cooperation Volunteers;
- (3) to supply funds necessary for the improvement of the facilities related to social development, development of agriculture, forestry, mining and manufacturing, or funds necessary for pilot projects;
- (4) to provide services necessary for smooth emigration of Japanese to South America or other parts of the world;
- (5) to recruit and provide training to qualified personnel for technical cooperation; and
- (6) to provide new services for the implementation of Capital Grant Assistance to developing areas.

## Outline of JICA's Technical Cooperation

### 1. Training Program for Overseas Participants

This program provides overseas participants with technical training in various fields. There are two types of training designed at the request of developing countries; a group training program and an individual training program.

Participants study at JICA training centers, government research organizations, universities and/or training centers of private enterprises.

### 2. Expert Assignment Program

JICA sends Japanese experts to developing countries or international organizations. The experts participate in planning, execution, evaluation and make recommendations for development programs in these government organizations, research institutes, or training centers.

### 3. Equipment Supply Program

In order to make technical cooperation more effective, JICA supplies equipment necessary for the activities of JICA's ex-trainees, Japanese experts, and Japan Overseas Cooperation Volunteers.

The equipment includes machinery, machine tools, etc.

### 4. Project-Type Technical Cooperation Programs

"Project-type" technical cooperation programs combine the above-mentioned three forms of programs and are carried out systematically and comprehensively in the countries concerned.

Under these types of programs, JICA provides technical assistance by dispatching survey teams, assigning experts, supplying equipment, accepting counterparts related to projects, and performing follow-up evaluation after the completion of the projects.

These types of programs include the Overseas Technical Cooperation Center Program, the Health and Medical Cooperation Program, the Agriculture, Forestry and Fisheries Cooperation Program, as well as the Industrial Development Cooperation Program.

#### 4.1 Overseas Technical Cooperation Center Program

Overseas technical cooperation centers are designed to provide training for engineers and for skilled workers whose services are essential to the socio-economic progress of developing countries.

This program aims at development of manpower resources, development and improvement of production methods, and the development of vocational training.

#### 4.2 Health and Medical Cooperation Program

This program is designed to offer medical assistance to developing countries whose people suffer from epidemic or endemic diseases, and emphasizes cooperation in the bettering of the citizens through the improvement of public hygiene and environment.

#### 4.3 Agriculture, Forestry and Fisheries Development Cooperation Program

This program intends to improve living standards through production increases in the fields of agriculture, forestry and fisheries.

The forms of assistance are technical guidance in agricultural extension centers or model extension farms; comprehensive guidance in regional infrastructure of designated project areas; and assistance in enhancing the agricultural research and development capacity of recipient countries.

#### 4.4 Industrial Development Cooperation Program

This program aims at effective utilization of locally available natural or human resources for the development of various mining and manufacturing industries which will expand employment opportunities.

#### 5. Development Survey Program

The "Development survey program" is an advisory service which dispatches survey teams to development projects in the public sector.

#### 6. Development Cooperation Program

JICA offers long-term and low-interest loans to Japanese corporations (including foreign corporations financed by Japanese firms) which require funds for improvement and expansion of facilities, or funds for experimental projects to promote development in various sectors.

Table 1. Total Expenditures by Type

Upper figure: 1,000 Yen  
Lower figure: U.S.\$1,000

Type	Total <sup>3)</sup> F.Y.1958-F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>4)</sup>	Cumulative Total <sup>4)</sup>
Training Program	442,155	188,348	247,883	236,486	216,954	1,331,826
(Number of Participants)	1,766 (332)	895 (101)	1,131 (111)	1,043 (112)	984 (99)	5,819 (755)
Expert Assignment Programs <sup>1)</sup>	298,668	181,991	187,426	221,385	273,164	1,162,634
(Number of Japanese Experts)	1,175 (89)	865 (15)	855 (15)	976 (22)	1,239 (48)	5,110 (189)
Survey Mission	1,089,641	274,802	144,200	186,035	169,125	1,863,803
	4,383 (286)	1,306 (54)	658 (44)	820 (54)	767 (43)	7,934 (481)
Equipment Supply <sup>2)</sup>	572,376	241,193	243,941	247,531	267,351	1,572,392
	2,218	1,146	1,113	1,092	1,212	6,781
Japan Overseas Cooperation Volunteers	286,232	111,674	143,563	166,816	201,264	909,549
	1,128 (58)	531 (19)	655 (22)	736 (16)	913 (32)	3,963 (147)
Others	24,011	8,456	8,930	12,353	98,295	152,045
	94	40	41	55	446	676
Grand Total	2,713,083 10,764	1,006,464 4,783	975,943 4,453	1,070,606 4,722	1,226,153 5,561	6,992,249 30,283

Note: The following exchange rates were used: 1954-1976 ¥245.47/US\$ 1978 ¥210.47/US\$ 1980 ¥226.74/US\$  
1977 ¥268.51/US\$ 1979 ¥219.17/US\$ 1981 ¥220.53/US\$

- 1) Includes expenditures of Project-type technical cooperation programs
- 2) Including expenditures of Project-type technical cooperation programs
- 3) F.Y. indicates the Fiscal Year of Japan which starts on April 1 every year.
- 4) Figures of F.Y. 1981 and Cumulative Total are provisional.

Table 2. Total Expenditures by Program

Upper figure: 1,000 Yen  
Lower figure: U.S.\$1,000<sup>1)</sup>

Program	Total	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>2)</sup>	Cumulative Total <sup>2)</sup>
	F.Y.1958-F.Y.1977					
1. Training Program	442,155 1,766	188,348 895	247,883 1,131	236,486 1,043	216,954 984	1,331,826 5,819
2. Expert Assignment Program	58,084 235	2,281 11	4,522 21	10,160 45	67,303 305	142,350 617
3. Equipment Supply Program	13,379 55	838 4	56,233 257	1,192 5	- -	71,642 321
4. Overseas Technical Cooperation Center Program	408 2	- -	- -	- -	- -	408 2
5. Health and Medical Cooperation Program	147,022 568	87,458 416	111,745 510	107,229 473	136,895 621	590,349 2,588
6. Agriculture, Forestry and Fisheries Cooperation Program	2,553	1,556	1,157	1,532	1,257	8,055
7. Industrial Development Cooperation Program	- -	- -	- -	910 4	- -	910 4
8. Development Survey Program	1,035,696 4,170	263,109 1,250	135,941 621	157,420 694	73,615 334	1,665,781 7,068
9. Development Cooperation	- -	- -	- -	- -	- -	- -
10. Japan Overseas Cooperation Volunteers	335,475 1,321	128,373 610	154,162 703	196,957 869	201,264 913	1,016,231 4,416
11. Others	24,011 94	8,710 41	11,937 54	12,852 57	252,958 1,147	310,468 1,393
Grand Total	2,713,083 10,764	1,006,464 4,783	975,943 4,453	1,070,606 4,722	1,226,153 5,561	6,992,249 30,283

Note: 1) Refer to Table 1 for exchange rates.

2) Figures of F.Y. 1981 and Cumulative Total are provisional.



Table 3. Training Program for Overseas Participants  
(Number of Bangladesh Participants)

Number of persons

Sector	Total F.Y.1958-F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>1)</sup>	Cumulative Total <sup>1)</sup>
1. Agriculture	54	18	20	15	19	126
2. Fisheries	6	3	3	-	2	14
3. Construction	29	5	5	5	6	50
4. Heavy Industries	18	8	5	10	5	46
5. Mining	9	1	3	2	1	16
6. Light Industries	15	3	3	6	4	31
7. Chemical Industries	5	4	3	5	4	21
8. Public Works	6	1	4	1	-	12
9. Transport	34	12	10	9	10	75
10. Postal Services & Telecommunications	40	14	9	7	6	76
11. Health & Welfare	40	7	14	19	13	93
12. Atomic Energy	-	-	-	1	1	2
13. Management Technology	15	6	5	6	8	40
14. Education	3	-	2	-	-	5
15. Administration	45	16	20	19	18	118
16. Other	13	3	5	7	2	30
Grand Total	332	101	111	112	99	755

Note: 1) Figures of F.Y. 1981 and Cumulative Total are provisional.

Table 4. Expert Assignment Program (Number of Japanese Experts)<sup>1)</sup>

Number of persons

Sector	Total	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>2)</sup>	Cumulative Total <sup>2)</sup>
	F.Y.1958-F.Y.1977					
1. Agriculture	42	5	10	17	15	89
2. Fisheries	3	-	-	-	2	5
3. Construction	-	-	-	2	-	2
4. Heavy Industries	5	-	-	-	-	5
5. Mining	-	-	-	-	-	-
6. Light Industries	1	-	1	-	4	6
7. Chemical Industries	-	-	-	-	-	-
8. Public Works	-	-	-	-	2	2
9. Transport	10	-	-	1	-	11
10. Postal Services & Telecommunications	6	-	2	2	-	10
11. Health & Welfare	8	4	2	-	25	39
12. Atomic Energy	-	-	-	-	-	-
13. Management Technology	-	-	-	-	-	-
14. Education	6	-	-	-	-	6
15. Administration	2	6	-	-	-	8
16. Others	6	-	-	-	-	6
Grand Total	89	15	15	22	48	189

Note: 1) Includes number of experts of Project-type technical cooperations

2) Figures of F.Y. 1981 and Cumulative Total are provisional.

Table 5. Japan Overseas Cooperation Volunteers (Number of Japanese Volunteers)

Number of persons

Sector	Total	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>1)</sup>	Cumulative Total <sup>1)</sup>
	F.Y.1958-F.Y.1977					
1. Agriculture	46	14	20	9	21	110
2. Fisheries	4	-	-	1	3	8
3. Construction	4	-	-	2	2	8
4. Heavy Industries	2	1	1	-	-	4
5. Mining	-	-	-	-	-	-
6. Light Industries	-	-	-	-	6	6
7. Chemical Industries	-	1	-	-	-	1
8. Public Works	-	-	-	-	-	-
9. Transport	2	-	-	-	-	2
10. Postal Services & Telecommunications	-	-	-	2	-	2
11. Health & Welfare	-	-	-	-	-	-
12. Atomic Energy	-	-	-	-	-	-
13. Management Technology	-	-	-	-	-	-
14. Education	-	-	-	-	-	-
15. Administration	-	1	1	2	-	4
16. Others	2	1	-	-	-	2
Grand Total	58	19	22	16	32	147

Note: 1) Figures of F.Y. 1981 and Cumulative Total are provisional.

Table 6. Equipment Supply

1,000 Yen

Project	Total F.Y.1958-F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	1) F.Y.1981	1) Cumulative Total
1. Equipment for Dyeing (1969)	10,495	-	-	-	-	10,495
2. Equipment for Medical Research (1976)	2,884	-	-	-	-	2,884
3. Equipment related to the Television	-	838	39,883	-	-	40,721
4. Equipment for the Agricultural Extension	-	-	16,350	-	-	16,350
5. Equipment for Agricultural Products Processing	-	-	-	1,192	-	-
Total	13,379	838	56,233	1,192	-	71,642

Note: 1) Figures of F.Y. 1981 and Cumulative Total are provisional.

Table 7. Project-Type Technical Cooperation Programs (Expenditures)

Table 7.1 Health and Medical Cooperation Program

1,000 Yen

Project	Cooperation Period	Total Expenses <sup>1)</sup>	Number of Japanese Experts <sup>1)</sup>	Number of Bangladesh Counterparts <sup>1)</sup>
1. Family Planning	1976 - 1985	517,570	8	6
2. Cardiovascular Diseases Control Project	1979 - 1984	69,041	25	9
3. Others		3,738	3	-
Total		590,349	36	15

Note: 1) Figures are provisional.

Table 7.2 Agriculture, Forestry and Fisheries Cooperation Program

1,000 Yen

Project	Cooperation Period	1) Total Expenses	Number of Japanese Experts 1)	Number of Bangladesh Counterparts 1)
1. The Central Extension Resources Development Institute Project	1975 - 1983	1,366,451	52	18
2. Circuits and Vegetable Research Project	1977 - 1983	497,193	21	15
3. Others	-	1,360	-	-
Total		1,862,284	73	33

Note: 1) Figures are provisional.

Table 8. Development Survey Program

1,000 Yen

Project	Total F.Y.1973-F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	Cumulative Total
1. Survey for Jamuna River Bridge Construction Project. (1972-1976)	811,927	-	-	-	-	811,927
2. Survey for Basic Economic Data. (1972-1974)	41,202	-	-	-	-	41,202
3. Survey for Central Agricultural Extension Centre Construction Project. (1974-1975)	31,639	-	-	-	-	31,639
4. Survey for Narayanganj Marshindi Irrigation Project. (1976-1978)	47,077	72,390	55	-	-	119,552
5. Survey for Television Studio Construction Project. (1976-1977)	79,968	-	-	-	-	79,968
6. Survey for Automobile Repair & Maintenance Factory	23,883	82,732	8,638	-	-	115,253
7. Survey for the New National Radio Broadcasting House	-	17,673	894	-	-	18,567
8. Survey for Foodgrains Storehouse Construction Project	-	30,803	87	-	-	30,890
9. Survey for the Construction of Bheramara-Barisal Transmission Line	-	25,730	32,089	97,249	-	155,068

(Continued)

1,000 Yen

Project	Total	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>1)</sup>	Cumulative Total <sup>1)</sup>
	F.Y.1973-F.Y.1977					
10. Survey for Replacement and Expansion of Kainnaphuri Rayon & Chemical Ltd.	-	26,637	13,796	-	-	40,433
11. Survey for the Development of Small Scale Industry	-	7,144	59,961	10,387	-	77,492
12. Survey for Motorization Project of Fishing Boats	-	-	7,879	-	-	7,879
13. Survey for Bangladesh Agricultural College Development	-	-	2,379	33,264	-	35,643
14. Survey for the Extension of Kaptai Hydro-Power Station	-	-	10,163	16,520	-	26,683
15. Feasibility Study on The Erection of Jute-Pulp Mill	-	-	-	-	41,356	41,356
16. Survey for Economic and Technical Cooperation	-	-	-	-	2,679	2,679



(Continued)

1,000 Yen

Project	Total F.Y.1973-F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981 <sup>1)</sup>	Cumulative Total <sup>1)</sup>
17. Preliminary Study for Agricultural Marketing Complexes					6,642	6,642
18. Basic Design Survey for Construction of Terminal Irrigation Facilities in N-N Area					22,938	22,938
Total	1,035,696	263,109	135,941	157,420	73,615	1,665,781

Note: 1) Figures of F.Y. 1981 and Cumulative Total are provisional.

LOCATIONS OF JICA's TECHNICAL COOPERATION

Health and Medical Cooperation Program

- \* Family Planning Cooperation Project
- \* Cardiovascular Diseases Control Project

Agriculture, Forestry and Fisheries Cooperation Program

- \* The Central Extension Resources Development Institute Project
- \* Citrus and Vegetable Research Project

Development Survey

- \* Feasibility Study on the Erection of a Jute-Pulp Mill



