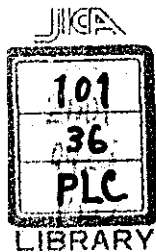


**JICA'S TECHNICAL COOPERATION  
IN  
PEOPLE'S REPUBLIC OF BANGLADESH**

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 3) F.Y.1958-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	4) F.Y.1982	4) Cumulative Total
Training Program	630,503	247,883	236,486	206,664	217,088	1,538,624
(Number of Participants)	2,661 (433)	1,131 (111)	1,043 (112)	938 (103)	872 (89)	6,645 (848)
Expert Assignment Programs <sup>1)</sup>	480,659	187,426	221,385	326,732	346,438	1,562,640
(Number of Japanese Experts)	2,040 (104)	855 (15)	976 (22)	1,482 (48)	1,392 (29)	6,745 (218)
Survey Mission	1,364,443	144,200	186,035	96,808	105,453	1,896,939
(Number of Mission)	5,689 (340)	658 (44)	820 (54)	439 (41)	424 (55)	8,030 (534)
Equipment Supply <sup>2)</sup>	813,569	243,941	247,531	240,291	186,360	1,731,692
	3,364	1,113	1,092	1,090	749	7,408
Japan Overseas Cooperation Volunteers	397,906	143,563	166,816	215,543	286,174	1,210,002
(Number of Volunteers)	1,659 (77)	655 (22)	736 (16)	978 (32)	1,150 (23)	5,178 (170)
Others	32,467	8,930	12,353	13,661	8,274	75,685
	134	41	55	62	34	326
Grand Total	3,719,547 15,547	975,943 4,453	1,070,606 4,722	1,099,699 4,989	1,149,787 4,621	8,015,582 34,332

Note: The following exchange rates were used: 1954-1976 ¥245.47/US\$ 1978 ¥210.47/US\$ 1980 ¥226.74US\$ 1982 ¥249.05US\$  
1977 ¥268.51/US\$ 1979 ¥219.17/US\$ 1981 ¥220.53US\$

- 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. 1982 and Cumulative Total are provisional.

Table 2. Total Expenditures by Program

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

Program	Total F.Y.1958-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	2) F.Y.1982	2) Cumulative Total
1. Training Program	630,503 2,661	247,883 1,131	236,486 1,043	208,037 944	217,088 872	1,539,997 6,651
2. Expert Assignment Program	60,365 246	4,522 21	10,160 45	76,446 347	82,012 330	233,505 989
3. Equipment Supply Program	14,217 59	56,233 257	1,192 5	77,618 352	53,189 214	202,449 887
4. Overseas Technical Cooperation Center Program	408 2	- -	- -	- -	- -	408 2
5. Health and Medical Cooperation Program	234,480 984	111,745 510	107,229 473	159,439 723	201,125 808	814,018 3,498
6. Agriculture, Forestry and Fisheries Cooperation Program	984,200 4,109	253,520 1,157	347,400 1,532	260,842 1,183	229,944 924	2,075,906 8,905
7. Industrial Development Cooperation Program	- -	- -	910 4	- -	- -	910 4
8. Development Survey Program	1,298,805 5,420	135,941 621	157,420 694	75,122 341	80,255 323	1,747,543 7,399
9. Japan Overseas Cooperation Volunteers	463,848 1,931	154,162 703	196,957 869	226,149 1,026	286,174 1,150	1,327,290 5,679
10. Others	32,721 135	11,937 53	12,852 57	16,046 73		73,556 318
Grand Total	3,719,547 15,547	975,943 4,453	1,070,606 4,722	1,099,699 4,989	1,149,787 4,621	8,015,582 34,332

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

2) Figures of F.Y. 1982 and Cumulative Total are provisional.



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

Number of persons

Sector	Total F.Y.1954-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
1. Planning and Administration	68	24	21	17	12	142
2. Public Works and Utilities	128	26	20	21	17	212
3. Agriculture, Forestry and Fisheries	81	23	15	22	22	163
4. Mining and Industry	63	14	23	19	16	135
5. Energy	7	-	2	-	-	9
6. Commerce and Tourism	27	7	7	5	3	49
7. Human Resources	10	2	3	2	3	20
8. Public Health and Medicine	45	14	19	13	11	102
9. Social Welfare	2	-	-	4	3	9
10. Others	2	1	2	-	2	7
Grand Total	433	111	112	103	89	848

\*Provisional

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

Number of persons

Sector	Total F.Y.1954-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
1. Planning and Administration	3	-	-	-	-	3
2. Public Works and Utilities	16	2	3	2	2	25
3. Agriculture, Forestry and Fisheries	50	10	17	17	7	101
4. Mining and Industry	6	1	-	4	1	12
5. Energy	-	-	-	-	-	-
6. Commerce and Tourism	-	-	-	-	-	-
7. Human Resources	11	-	-	-	-	11
8. Public Health and Medicine	12	2	1	25	19	59
9. Social Welfare	-	-	1	-	-	1
10. Others	6	-	-	-	-	6
Grand Total	104	15	22	48	29	218

Note: 1) Includes number of experts of Project-type technical cooperation programs.

\* Provisional

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

Number of persons

Sector	Total F.Y.1954-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
1. Planning and Administration	-	-	-	-	-	-
2. Public Works and Utilities	6	-	4	-	3	13
3. Agriculture, Forestry and Fisheries	64	20	10	24	12	130
4. Mining and Industry	4	1	-	6	6	17
5. Energy	-	-	-	-	-	-
6. Commerce and Tourism	-	-	-	-	-	-
7. Human Resources	1	1	2	2	2	8
8. Public Health and Medicine	-	-	-	-	-	-
9. Social Welfare	-	-	-	-	-	-
10. Others	2	-	-	-	-	2
Grand Total	77	22	16	32	23	170

\* Provisional

Table 6. Equipment Supply

1,000 Yen

Project	Total F.Y.1958-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	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	68,663	52,700	122,555
6. Equipment for Chemistry Experiments	-	-	-	6,902	-	6,902
7. Equipment for Post - Training	-	-	-	2,053	-	2,053
8. Casting Equipment	-	-	-	-	489	489
Total	14,217	56,233	1,192	77,618	53,189	202,449

\* 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*	Number of Japanese Experts	Number of Bangladesh Counterparts
1. Family Planning	1976 - 1985	629,507	11	6
2. Cardiovascular Diseases Control Project	1979 - 1984	161,275	41	15
3. Others	-	23,234	6	-
Total		814,018	58	21

\* Provisional

Table 7.2 Agriculture, Forestry and Fisheries Cooperation Program

1,000 Yen

Project	Cooperation Period	Total Expenses*	Number of Japanese Experts	Number of Bangladesh Counterparts
1. The Central Extension Resources Development Institute Project	1975 - 1983	1,508,054	62	31
2. Citrus and Vegetable Research Project	1977 - 1983	563,734	26	17
3. Others	-	4,118	-	-
Total		2,075,906	88	48

\* Provisional

Table 8. Development Survey Program

1,000 Yen

Project	Total F.Y.1973-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	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 Narshindi Irrigation Project. (1976-1978)	119,467	55	-	-	-	119,522
5. Survey for Television Studio Construction Project. (1976-1977)	79,968	-	-	-	-	79,968
6. Survey for Automobile Repair & Maintenance Factory	106,615	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.1973-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
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	38	-	35,681
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.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
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
19. Basic Design Study for Construction Project of Foodgrain Storehouses	-	-	-	1,469	7,702	9,171
20. Fish Net Factories Project	-	-	-	-	10,206	10,206
21. Establishment Project of General Hospital	-	-	-	-	45,972	45,972
22. Establishment of Pharmaceutical Formation Plants for Production of Essential Drugs	-	-	-	-	5,258	5,258
23. Establishment of Seed and Germplasm Resources Laboratory	-	-	-	-	8,096	8,096

(Continued)

1,000 Yen

Project	Total F.Y.1973-F.Y.1978	F.Y.1979	F.Y.1980	F.Y.1981	F.Y.1982*	Cumulative Total*
24. The Study for Integrated Transport Project in Dhaka Metropolitan Area	-	-	-	-	3,021	3,021
Total	1,298,805	135,941	157,420	75,122	80,255	1,747,543

\* 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

