

**JICA'S TECHNICAL COOPERATION  
IN  
KINGDOM OF NEPAL**

1981



**Japan International Cooperation Agency**



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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.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
Training Program	267,794	86,815	101,844	103,139	110,829	670,421
	755	323	484	471	489	2,542
(Number of Nepalese Participants)	(351)	(63)	(64)	(56)	(59)	(593)
Expert Assignment Programs <sup>1)</sup>	538,040	152,751	158,964	166,070	182,830	1,198,655
	1,558	569	756	758	805	4,446
(Number of Japanese Experts)	(104)	(23)	(21)	(16)	(22)	(186)
Survey Mission	180,395	169,924	101,671	60,457	220,961	733,408
	522	633	483	276	975	2,889
	(97)	(46)	(34)	(35)	(49)	(261)
Equipment supply <sup>2)</sup>	591,938	340,728	108,822	139,370	124,886	1,305,744
	1,713	1,269	517	636	551	4,686
Japan Overseas Cooperation Volunteers	444,720	147,137	114,475	133,135	154,311	993,778
	1,287	548	544	607	681	3,667
	(125)	(18)	(16)	(17)	(25)	(201)
Others	10,200	8,901	7,494	7,720	11,540	45,855
	30	33	35	35	51	184
Grand Total	2,033,087 5,885	906,256 3,375	593,270 2,819	609,891 2,783	805,357 3,552	4,947,861 18,414

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\$

- 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.

Table 2. Total Expenditures by Program

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

Program	Total F.Y.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
1. Training Program	267,794 775	86,815 323	101,844 484	103,139 471	110,829 489	670,421 2,542
2. Expert Assignment Program	177,920 515	24,085 90	9,612 46	20,339 93	49,485 218	281,441 962
3. Equipment Supply Program	18,855 55	26,993 101	4,310 20	8,654 39	8,816 39	67,628 254
4. Overseas Technical Cooperation Center Program	-	-	-	-	-	-
5. Health and Medical Cooperation Program	167,874 486	119,589 445	84,809 403	101,404 463	101,176 446	574,852 2,243
6. Agriculture, Forestry and Fisheries Cooperation Program	767,656 2,222	310,220 1,155	159,451 758	169,484 773	153,100 675	1,559,911 5,583
7. Industrial Development Cooperation Program	-	-	1,793 9	11,422 52	13,495 60	26,710 121
8. Development Survey Program	82,408 238	161,166 600	94,347 448	38,150 174	182,036 803	558,107 2,263
9. Development Cooperation	-	-	-	-	-	-
10. Japan Overseas Cooperation Volunteers	540,380 1,564	168,487 628	129,610 616	149,111 680	174,372 769	1,161,960 4,257
11. Others	10,200 30	8,901 33	7,494 35	8,188 38	12,048 53	46,831 189
Grand Total	2,033,087 5,885	906,256 3,375	593,270 2,819	609,891 2,783	805,357 3,552	4,947,861 18,414

Note: Refer to Table 1 for exchange rates.

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

Number of persons

Sector	Total F.Y.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
1. Agriculture	91	14	11	10	9	135
2. Fisheries	4	-	1	-	-	5
3. Construction	14	5	7	6	5	37
4. Heavy Industries	3	-	-	-	1	4
5. Mining	2	-	-	-	-	2
6. Light Industries	15	3	3	2	3	26
7. Chemical Industries	3	-	-	1	-	4
8. Public Works	9	1	3	-	3	16
9. Transport	8	1	1	1	1	12
10. Postal Services & Telecommunications	17	6	5	4	6	38
11. Health & Welfare	25	6	7	10	11	59
12. Atomic Energy	-	-	-	-	-	-
13. Management Technology	22	4	3	3	3	35
14. Education	19	-	2	-	-	21
15. Administration	77	17	16	15	11	136
16. Other	13	2	3	4	6	28
Grand Total	322	59	62	56	59	558

Table 4. Expert Assignment Program (Number of Japanese Experts)

Number of persons

Sector	Total F.Y.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
1. Agriculture	26	1	10	2	6	45
2. Fisheries	1	-	-	-	-	1
3. Construction	14	6	-	-	-	20
4. Heavy Industries	14	-	-	-	-	14
5. Mining	3	-	-	4	3	10
6. Light Industries	2	-	-	4	5	11
7. Chemical Industries	-	-	-	-	-	-
8. Public Works	7	2	1	-	1	11
9. Transport	-	6	1	-	-	7
10. Postal Services & Telecommunications	1	-	-	-	-	1
11. Health & Welfare	23	4	9	4	7	47
12. Atomic Energy	-	-	-	-	-	-
13. Management Technology	-	-	-	-	-	-
14. Education	-	-	-	-	-	-
15. Administration	10	4	-	2	-	16
16. Others	3	-	-	-	-	3
Grand Total	104	23	21	16	22	186

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

Table 5. Equipment Supply Program (Expenditures)

1,000 Yen

Equipment	Total F.Y.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
1. Agricultural Machinery and others	18,855					18,855
2. Equipment for Colombo Plan Conference		26,993				26,993
3. Geological Survey Equipment			4,310	4,478		8,788
4. Equipment for Agricultural Machinery				4,176		4,176
5. Medical Equipment					8,816	8,816
Grand Total	18,855	26,993	4,310	8,654	8,816	67,628

Table 6. Project-Type Technical Cooperation Programs (Expenditures)

Table 6.1 Health and Medical Cooperation Program

1,000 Yen

Project	Cooperation Period	Total Expenses	Number of Japanese Experts	Number of Nepalese Counterparts
1. Development of Basic Health Service in Western Region	Oct.1973-Feb.1985	511,967	24	12
2. Tribhuvan Univ. Medical Education Project	Jun.1980-Jun.1985	4,314	-	-
Total		516,281	24	12

Table 6.2 Agriculture, Forestry and Fisheries Cooperation Program

1,000 Yen

Project	Cooperation Period	Total Expenses	Number of Japanese Experts	Number of Nepalese Counterparts
Janakpur Zone Agricultural Development Project	Nov.1974-Nov.1982	1,546,423	25	15
Total		1,546,423	25	15

Table 6.3 Industrial Development Cooperation Program

1,000 Yen

Project	Cooperation Period	Total Expenses	Number of Japanese Experts	Number of Nepalese Counterparts
1. Development of Cottage and Village Industries 2.	Oct.1980-Oct.1984	24,917	7	2
Total		24,917	7	2

Table 7. Development Survey Program (Expenditures)

1,000 Yen

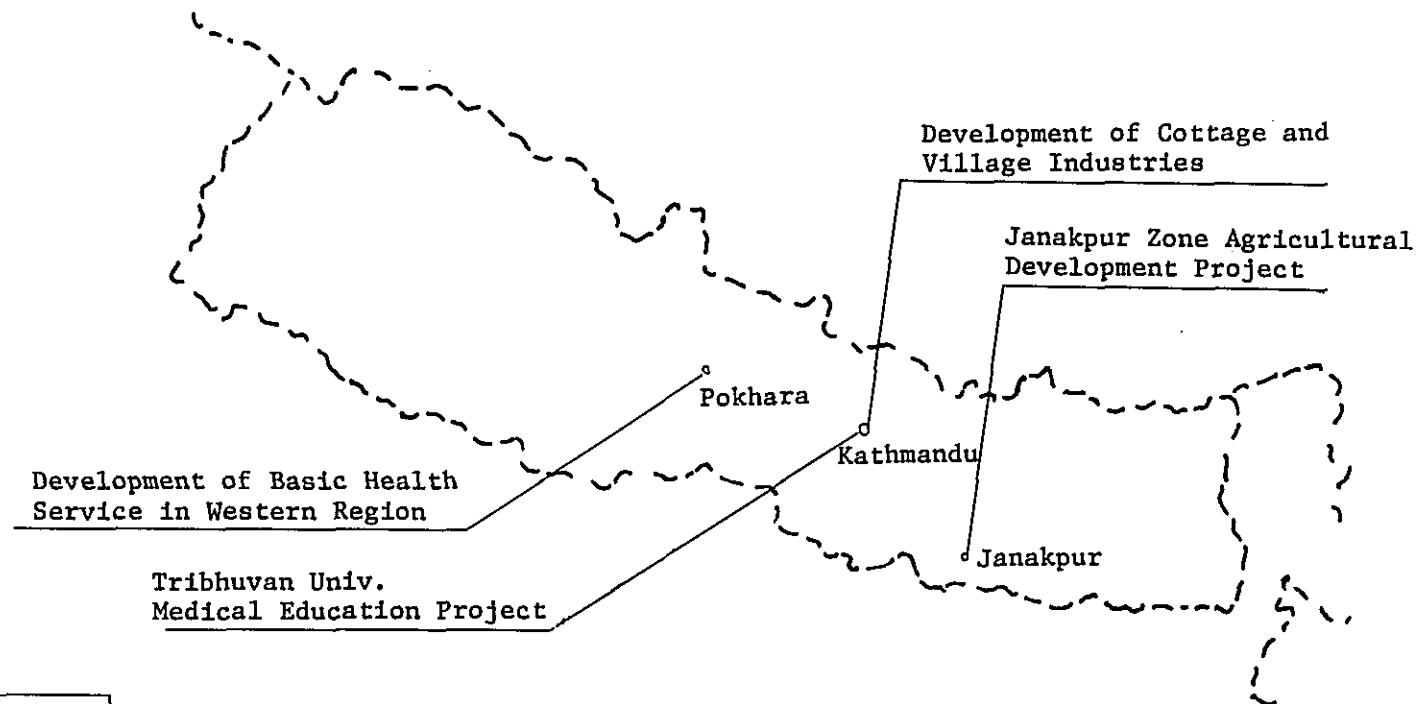
Project	Total F.Y.1954-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
1. Hydro-electric Generation Development Survey	10,610					10,610
2. Tourism Development	510					510
3. Tansen Water Supply Improvement Survey	3,293					3,293
4. Health-post Construction Basic Design Survey		29,364	21			29,385
5. Transportation Facility Improvement Planning			24,309	62		24,371
6. Radio Broadcasting Network Improvement Program Survey			3,349	389		3,738
7. Radio Broadcasting Network Construction Design Survey				37,699	82,067	119,766
8. Basic Design Survey for Electricity Network in Kathmandu Region					26,914	26,914
9. Basic Design Survey for Educational Hospital of Tribhuvan University					5,340	5,340

(Continued)

1,000 Yen

Project	Total F.Y.1965-F.Y.1976	F.Y.1977	F.Y.1978	F.Y.1979	F.Y.1980	Cumulative Total
10. Project Finding Survey	488		1,214			1,702
11. Steel Mill Project Survey	6,373					6,373
12. Hydroelectric Generation Development Project Survey	61,143					61,143
13. Udaipur Cement Plant Project Feasibility Study		41,728	10,854			52,582
14. Kulekhani Hydroelectric Power Development Project Feasibility Study		131,802	54,600			186,402
15. Sapt Gandaki Hydroelectric Power Development Project Feasibility Study					67,715	67,715
Total	82,408	161,166	94,347	38,150	182,036	558,107

Location of Project-Type Technical Cooperation Programs



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