



INTERNATIONAL ATOMIC ENERGY AGENCY



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IAEA-CPS-95/22
10 November 1995
Original: ENGLISH

COUNTRY PROGRAMME SUMMARY

THE AGENCY'S TECHNICAL CO-OPERATION

PROGRAMME WITH

MYANMAR

1985 - 1995

COUNTRY PROGRAMME SUMMARIES

DEPARTMENT OF TECHNICAL CO-OPERATION

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PROGRAMME WITH
MYANMAR
1985 - 1995
COUNTRY PROGRAMME SUMMARIES

EVALUATION SECTION

DEPARTMENT OF TECHNICAL CO-OPERATION

THE AGENCY'S TECHNICAL CO-OPERATION

PROGRAMME WITH

MYANMAR

1985 - 1995

COUNTRY PROGRAMME SUMMARIES

This report contains a review of the Agency's technical co-operation activities in Myanmar carried out during 1985 - 1995. In terms of coverage and analytical depth, country programme summaries stand somewhere midway between in-depth country programme evaluations and individual project evaluations. They attempt to provide a comprehensive, descriptive picture of the Agency's co-operation with a Member State in a manner that will be particularly useful for programming decisions. The attempt is very much to describe -- largely through statistical data -- not to provide independent analysis and evaluation.

MYANMAR

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INTRODUCTION

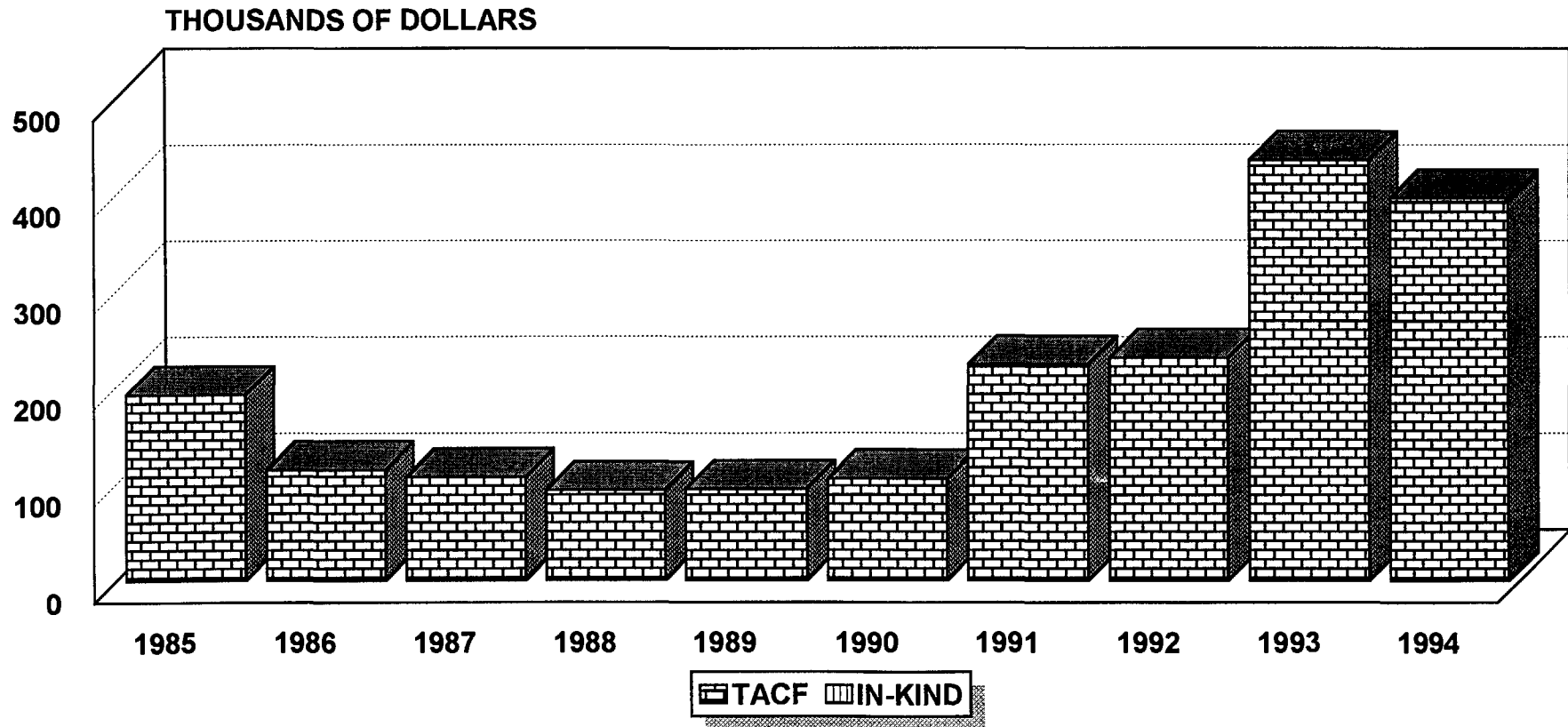
The country programme summary reported on here is one in the series of such studies being undertaken of the Agency's TC programme with Member States. With just over \$4 million of Agency support received, Myanmar ranks 47th among all recipients of technical assistance during the period 1958 through 1994.

More than half of the assistance received over the past ten years was provided in the form of equipment (58%), complemented to equal shares by expert services (21%) and training (21%). Apart from one insignificant in-kind contribution (0.2%), all resources were made available through the Technical Co-operation Fund.

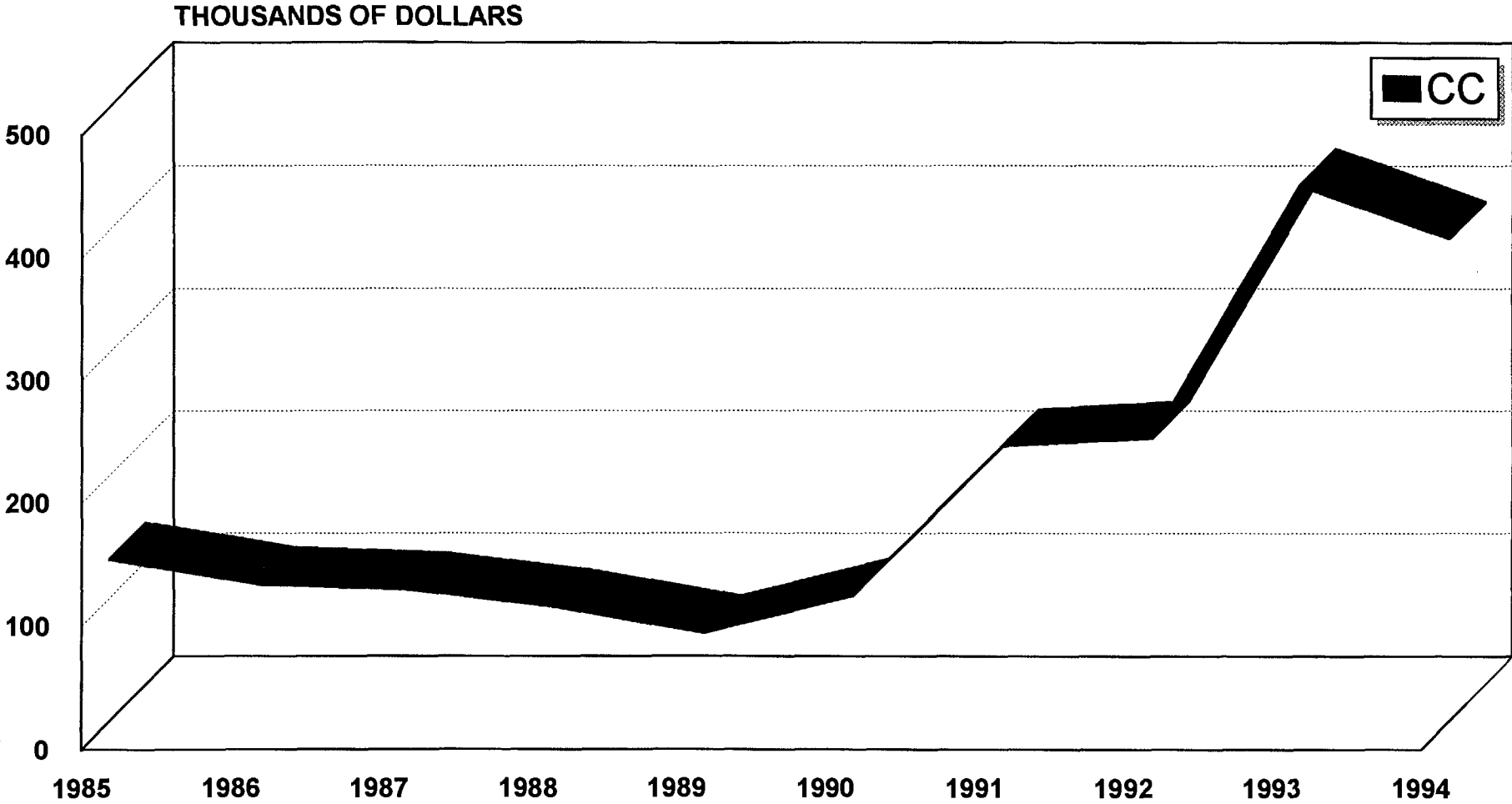
The four major areas of assistance during the past ten years were nuclear physics and chemistry (24%), nuclear medicine (22%), nuclear safety (20%) and agriculture (16%). Smaller shares went to industry and hydrology (6%), general atomic energy development, nuclear engineering and technology, and biology (4% each).

Since 1985, scientists from Myanmar have completed 18 assignments as Agency experts and training course lecturers or as participants in research co-ordination meetings. During the same period, Myanmar has hosted one scientific visit.

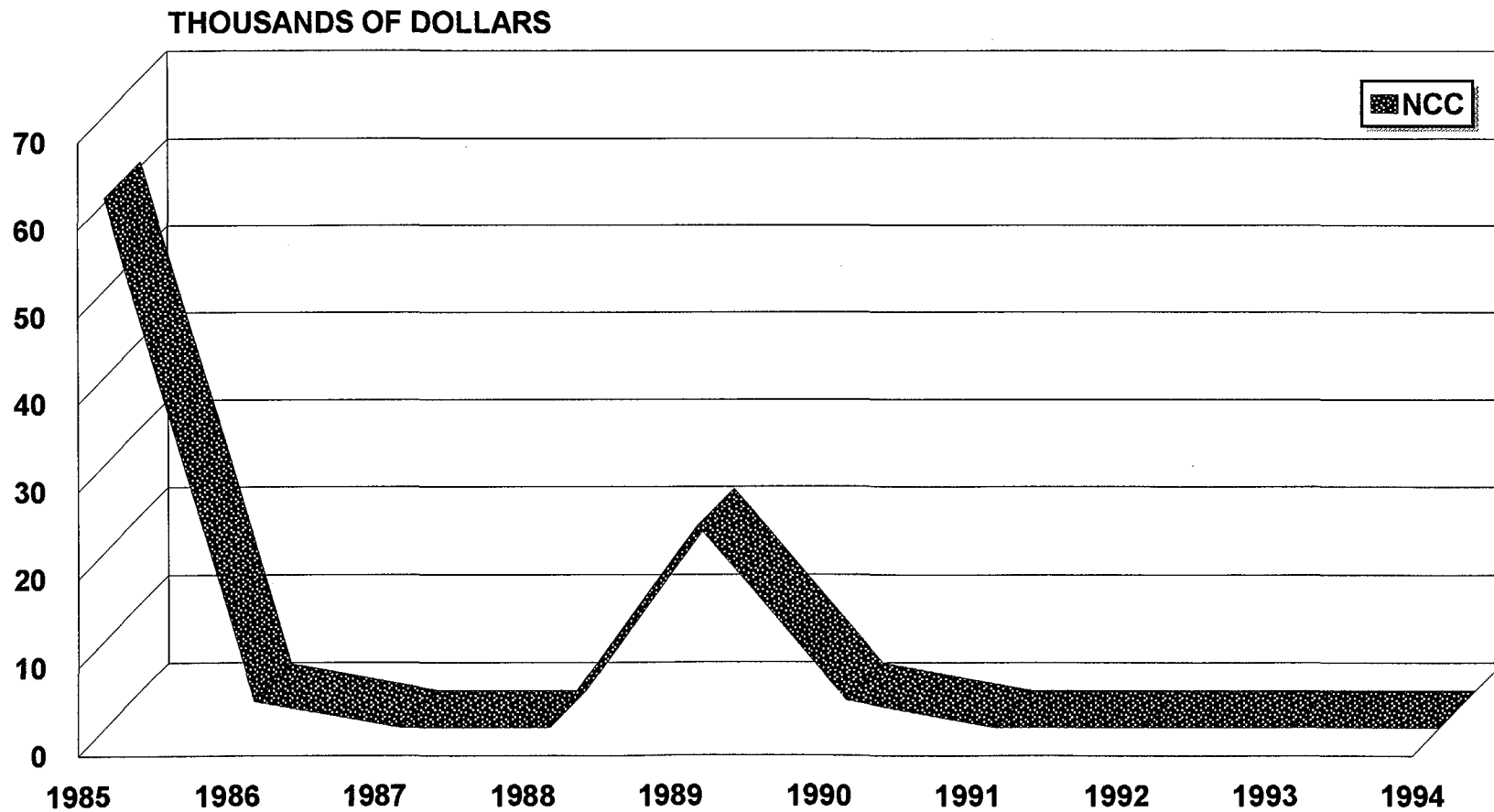
ASSISTANCE PROVIDED BY THE AGENCY TO MYANMAR BY SOURCE (1985 - 1994)



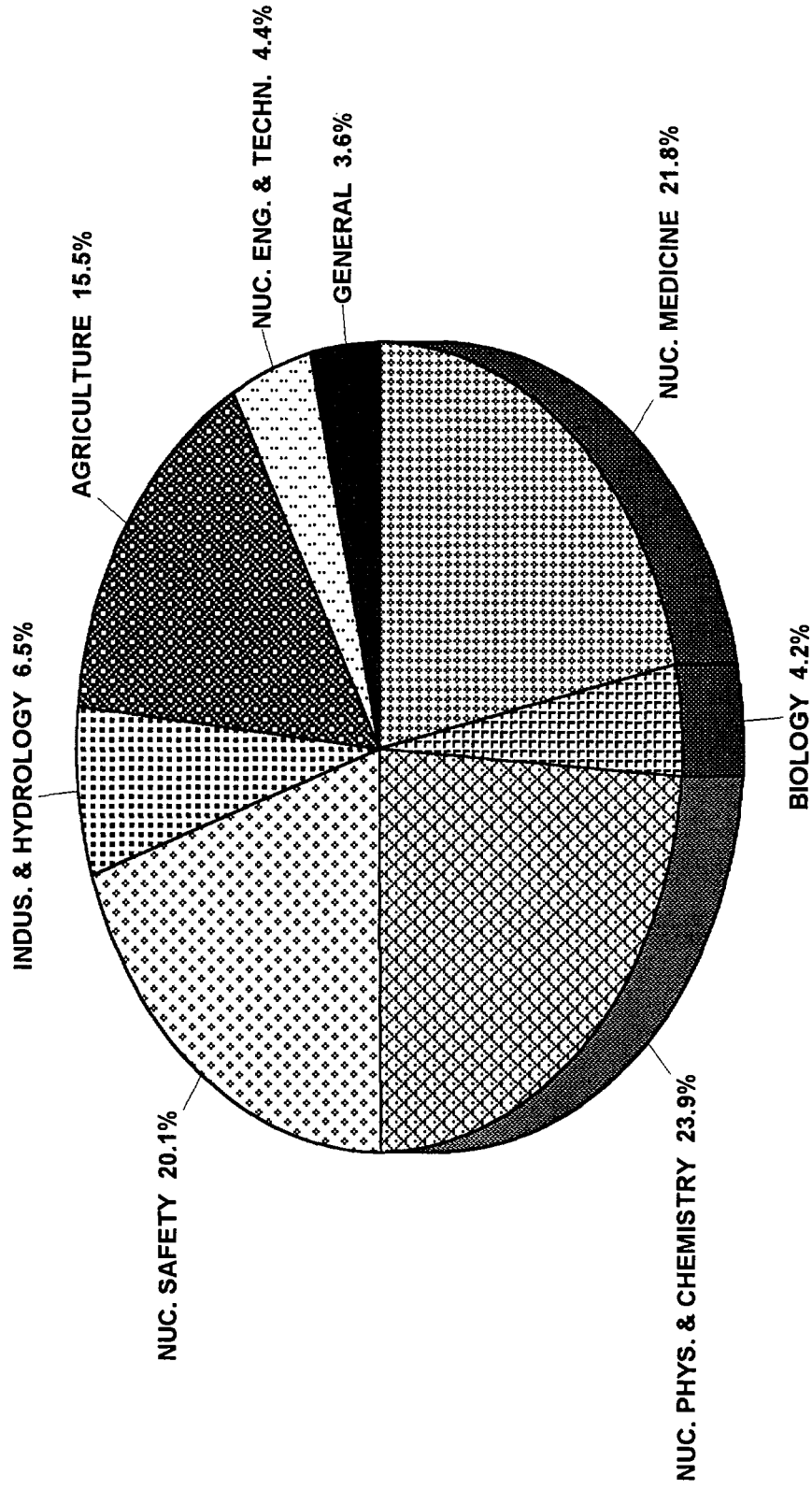
TACF ASSISTANCE PROVIDED TO MYANMAR (1985 - 1994)



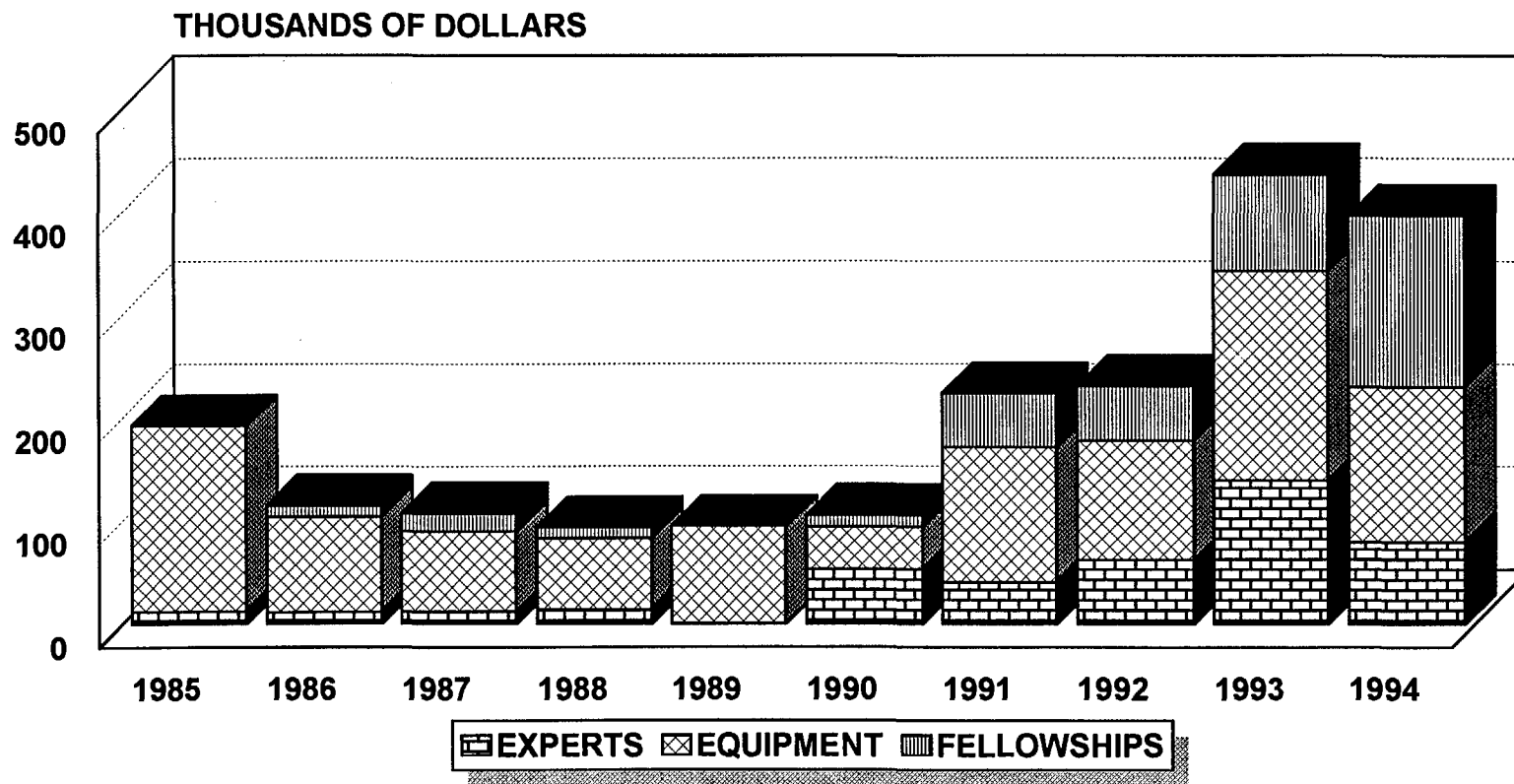
TACF ASSISTANCE PROVIDED TO MYANMAR (1985 - 1994)



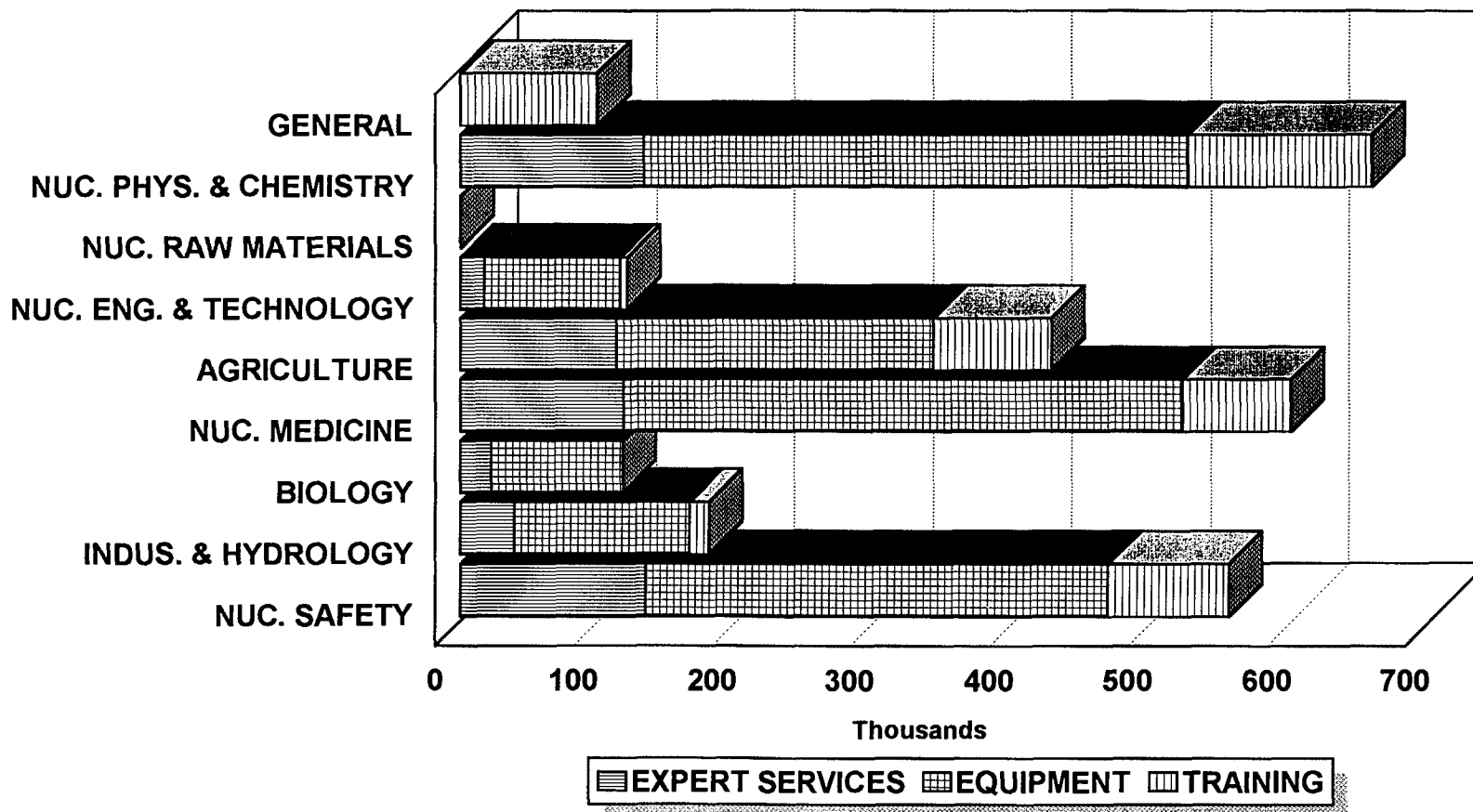
TC PROJECT DISBURSEMENTS IN MYANMAR BY SECTOR (1985 - 1995)



ASSISTANCE PROVIDED BY THE AGENCY TO MYANMAR BY TYPE (1985 - 1994)



EXPERT SERVICES, EQUIPMENT AND PROJECT-FUNDED TRAINING PROVIDED TO MYANMAR BY SECTOR (1985 - 1995)



THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH MYANMAR

ALL SOURCES

MYANMAR'S RANKING AS A TC RECIPIENT
1958 - 1994
(in \$1000)

YEAR	RANKING	AMOUNT
1958-84	37 th	2044.0
1985	44 th	191.8
1986	58 th	113.8
1987	64 th	106.4
1988	61 st	92.8
1989	65 th	94.1
1990	69 th	104.9
1991	50 th	223.2
1992	55 th	230.1
1993	31 st	436.0
1994	37 th	396.3
1958-94	47 th	4033.4

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE
1958 - 1994 (in \$1000)**

ALL SOURCES

Year	I	II	III	IV	V	MYANMAR
1958-84	EGY 10650.4	BRA 9513.7	PER 7574.2	IND 7412.8	PHI 6679.0	37 th - 2044.0
1985	EGY 2494.8	PER 1120.7	THA 1117.4	BGD 1068.2	PHI 963.7	44 th - 191.8
1986	EGY 2317.0	BRA 1452.9	THA 1169.4	POL 1050.3	BGD 896.4	58 th - 113.8
1987	HUN 3452.6	EGY 1775.4	THA 1742.4	INS 1312.5	YUG 1223.2	64 th - 106.4
1988	EGY 1486.9	BUL 1361.6	CPR 1278.5	THA 1158.7	BRA 1096.7	61 st - 92.8
1989	CPR 1542.3	EGY 1505.1	THA 1205.3	BRA 1096.5	INS 999.1	65 th - 94.1
1990	POL 2308.1	CPR 2005.0	VIE 1589.2	INS 1412.6	BRA 1229.1	69 th - 104.9
1991	INS 1305.2	CPR 975.0	EGY 959.8	BRA 951.2	BUL 934.7	50 th - 223.2
1992	EGY 1586.3	INS 1342.1	CPR 1328.8	MEX 1127.8	POL 1036.4	55 th - 230.1
1993	INS 1285.9	CPR 1091.7	PAK 1012.2	EGY 905.3	IRA 810.1	31 st - 436.0
1994	URT 2153.3	IRA 1438.5	CPR 1336.1	ARG 1225.8	GHA 1166.9	37 th - 396.3
1958-94	EGY 25492.2	BRA 19165.8	THA 16827.6	INS 16088.4	PER 14350.7	47 th - 4033.4

**"TOP FIVE" RECIPIENTS OF AGENCY ASSISTANCE
1958 - 1994 (in \$1000)**

TECHNICAL ASSISTANCE AND CO-OPERATION FUND

Year	I	II	III	IV	V	MYANMAR
1958-84	EGY 4652.4	HUN 3458.4	PAK 3272.4	THA 2825.4	CUB 2761.7	30 th - 1403.4
1985	BGD 991.8	VIE 745.0	THA 708.7	BRA 571.8	POR 538.7	36 th - 191.8
1986	BRA 1381.8	THA 871.9	POL 833.5	BGD 823.9	SYR 751.8	56 th - 113.8
1987	HUN 3305.2	DRK 986.8	BUL 888.5	INS 885.8	EGY 878.9	62 nd - 106.4
1988	BUL 1195.6	PER 856.5	EGY 768.6	INS 751.7	MAL 656.0	58 th - 92.8
1989	EGY 990.9	CPR 868.2	POR 769.6	CHI 756.9	MAL 619.4	63 rd - 94.1
1990	POL 1562.3	VIE 1518.8	DRK 1156.2	IRA 958.0	YUG 933.4	64 th - 104.9
1991	BUL 893.1	PAK 868.8	INS 855.1	VIE 817.6	CPR 814.5	47 th - 223.2
1992	EGY 1255.7	CPR 1009.0	VIE 872.8	INS 826.6	IRA 795.5	49 th - 230.1
1993	INS 1040.5	CPR 896.5	PAK 847.6	IRA 807.4	THA 721.5	23 rd - 436.0
1994	URT 1392.9	IRA 1260.8	ARG 1206.5	CPR 1022.8	PAK 933.0	33 rd - 393.3
1958-94	EGY 12209.1	PAK 9896.2	INS 9666.8	POL 9602.4	VIE 9566.6	42 nd - 3389.8

ASSISTANCE PROVIDED BY THE AGENCY TO MYANMAR

Financial Summary 1985 - 1994
(In thousands of dollars)

Year	ASSISTANCE PROVIDED, BY TYPE						ASSISTANCE PROVIDED, BY SOURCE					
	Experts	Equipment	Fellowships	Group training	Sub-contracts	Total	UNDP	TACF CC	TACF NCC	Extra-budgetary	In-kind	Total
1985	12.0	179.8	-	-	-	191.8	-	131.3	60.5	-	-	191.8
1986	11.3	92.3	10.2	-	-	113.8	-	110.8	3.0	-	-	113.8
1987	11.8	77.5	17.1	-	-	106.4	-	106.4	-	-	-	106.4
1988	13.9	68.4	10.5	-	-	92.8	-	92.8	-	-	-	92.8
1989	-	94.1	-	-	-	94.1	-	71.2	22.9	-	-	94.1
1990	52.3	41.5	11.1	-	-	104.9	-	101.8	3.1	-	-	104.9
1991	40.3	131.0	51.9	-	-	223.2	-	223.2	-	-	-	223.2
1992	61.4	115.9	52.8	-	-	230.1	-	230.1	-	-	-	230.1
1993	138.8	203.7	93.5	-	-	436.0	-	436.0	-	-	-	436.0
1994	79.2	150.4	166.7	-	-	396.3	-	393.3	-	-	3.0	396.3
1985-94	421.0	1 154.6	413.8	-	-	1 989.4	-	1 896.9	89.5	-	3.0	1 989.4

TECHNICAL CO-OPERATION PROJECTS IN MYANMAR
BY SECTOR

PROJECTS COMPLETED AND OPERATIONAL 1985 - 1995

TOTAL PROJECT ALLOTMENTS AND DISBURSEMENTS
(As of 1 November 1995)

SECTOR	NO. OF PROJECTS	ALLOTMENTS \$	% OF TOTAL	DISBURSEMENTS \$	% OF TOTAL
General atomic energy development	1	271 750	7.5	99 068	3.6
Nuclear physics and chemistry	4	677 659	18.7	657 997	23.9
Nuclear raw materials	-	-	-	-	-
Nuclear engineering and technology	2	206 933	5.7	120 200	4.4
Nuclear techniques in agriculture	4	608 855	16.8	427 090	15.5
Nuclear medicine	7	757 769	20.9	599 811	21.8
Nuclear techniques in biology	1	110 759	3.0	117 136	4.2
Nuclear techniques in industry and hydrology	2	311 920	8.6	180 119	6.5
Nuclear safety	3	684 303	18.8	554 727	20.1
TOTAL	24	3 629 948	100.0	2 756 148	100.0

TECHNICAL CO-OPERATION PROJECTS IN MYANMAR
 COMPLETED AND OPERATIONAL, BY SECTOR, 1985 - 1995
 (As of 1 November 1995)

Sector	No. of projects	Total project allotments \$	Total project disbursements \$
<u>Completed projects</u>			
General atomic energy development	-	-	-
Nuclear physics and chemistry	2	196 702	188 312
Nuclear raw materials	-	-	-
Nuclear engineering and technology	1	49 673	50 799
Nuclear techniques in agriculture	1	108 640	108 154
Nuclear medicine	3	345 382	339 473
Nuclear techniques in biology	1	110 759	117 136
Nuclear techniques in industry & hydrology	-	-	-
Nuclear safety	1	270 963	277 105
TOTAL	9	1 082 119	1 080 979
<u>Operational projects</u>			
General atomic energy development	1	271 750	99 068
Nuclear physics and chemistry	2	480 957	469 685
Nuclear raw materials	-	-	-
Nuclear engineering and technology	1	157 260	69 401
Nuclear techniques in agriculture	3	500 215	318 936
Nuclear medicine	4	412 387	260 338
Nuclear techniques in biology	-	-	-
Nuclear techniques in industry & hydrology	2	311 920	180 119
Nuclear safety	2	413 340	277 622
TOTAL	15	2 547 829	1 675 169

**EXPERT SERVICES, EQUIPMENT AND PROJECT-FUNDED TRAINING PROVIDED TO MYANMAR, BY SECTOR
PROJECTS COMPLETED AND OPERATIONAL 1985 - 1995
(As of 1 November 1995)**

FIELD	TOTAL PROJECT ALLOTMENTS				TOTAL PROJECT DISBURSEMENTS			
	EXPERT SERVICES		EQUIPMENT	TRAINING	EXPERT SERVICES		EQUIPMENT	TRAINING
	M/M	\$	\$	\$	M/M	\$	\$	\$
General atomic energy development	1/00	12 000	5 000	254 750	-	-	-	99 068
Nuclear physics and chemistry	13/23	130 955	395 221	151 483	13/29	132 179	393 053	132 765
Nuclear raw materials	-	-	-	-	-	-	-	-
Nuclear engineering and technology	3/00	36 000	122 473	48 460	1/07	17 084	98 082	5 034
Nuclear techniques in agriculture	14/08	139 155	281 629	188 071	12/16	112 514	229 366	85 210
Nuclear medicine	16/05	151 375	469 057	137 337	14/15	117 628	403 413	78 770
Nuclear techniques in biology	2/29	16 020	94 739	-	2/29	22 416	94 720	-
Nuclear techniques in industry & hydrology	6/03	67 320	184 800	59 800	4/08	39 117	126 515	14 487
Nuclear safety	14/23	139 795	410 858	133 650	13/05	133 759	334 332	86 636
TOTAL	72/01	692 620	1 963 777	973 551	62/19	574 697	1 679 481	501 970

AGENCY FELLOWS FROM MYANMAR

1985 - 1995 ^{1/}
 (As of 1 November 1995)

Sector	No. of fellowships	No. of months/days	Host countries
General atomic energy development	2	7/00	MAL, IAEA
Nuclear physics	7	36/16	THA, AUS, HUN, IAEA
Nuclear chemistry	8	26/04	THA, MAL, SLR
Nuclear raw materials	1	4/00	CAN
Nuclear engineering and technology	8	42/00	THA, HUN, UK, IAEA
Nuclear techniques in agriculture	12	49/07	SRL, MAL, HUN, ITA, THA, UK, IAEA
Nuclear medicine	15	89/06	IND, THA, MAL, SRL, AUL, UK
Nuclear techniques in biology	-	-	-
Nuclear techniques in industry and hydrology	6	18/16	MAL, GER, JPN
Nuclear safety	4	16/03	MAL, HUN, IND
TOTAL	63	288/22	

^{1/} Awarded since 1985, but only includes fellows who have completed or at least started training.

MYANMAR
LONG-TERM FELLOWSHIPS
1985 - 1995
(As of 1 November 1995)

Name	Field of study	Host country	Date	Duration	Project
MYINT THEIN	Nuclear physics 1B	THA	Nov.90 - Nov.91	12/00	MYA/1/012
MYINT KYIN	Nuclear medicine 6B	THA	Apr.91 - Apr.92	12/00	MYA/6/014
WIN DAW NYUNT NYUNT	Nuclear medicine technique 6B	IND	Jun.91 - Jun.92	12/00	MYA/6/014

**MYANMAR NATIONALS WHO WERE AWARDED MORE THAN ONE
 FELLOWSHIP OR SCIENTIFIC VISIT
 1985 - 1995
 (As of 1 November 1995)**

Name	Field of study	Host country	Date	Duration	Project
MYINT U THEIN	1. Nuclear radiochemistry 2B 2. Analytical chemistry 2C	THA SLR	Nov.90 - Mar.91 Oct.94 - Jan.95	4/00 3/00	MYA/1/012 MYA/2/007
TUN KHIN MAUNG	1. Nuclear instrumentation 4G 2. Nuclear instrumentation, electronics and reactor control 4G	IAEA HUN	Nov.87 - Apr.88 Started: Sep.95	5/28 6/00	MYA/4/005 MYA/4/006

AGENCY TRAINING COURSES WITH MYANMAR PARTICIPATION

1985 - 1995
(As of 1 November 1995)

Field	Number of participants	Number of courses
General atomic energy development	3	3
Nuclear physics	4	4
Nuclear chemistry	4	4
Nuclear raw materials	2	2
Nuclear engineering and technology	8	8
Nuclear techniques in agriculture	10	8
Nuclear medicine	10	10
Nuclear techniques in biology	4	4
Nuclear techniques in industry & hydrology	7	6
Nuclear safety	4	4
TOTAL	56	53

**MULTIPLE PARTICIPATION IN AGENCY TRAINING COURSES
BY MYANMAR NATIONALS
1985 - 1995
(As of 1 November 1995)**

Name	Course No.	Course title	Year	Location
DAW WIN MAR	RAS/6/011 (003)	RTC on optimization of production techniques and distribution schemes for reagents for radioimmunoassay	1989	THA
	RAS/6/023 (001)	RTC on radioimmunoassay and immunoscintigraphy for the early detection and management of cancer	1994	ROK
MYINT AUNG	INT/4/102 (001)	ITC on interfacing in nuclear experiments	1990	THA
	RAS/4/012 (001)	RTC on power supplies in nuclear instruments	1991	SIN

PROJECTS COMPLETED IN MYANMAR SINCE 1985
(As of 1 November 1995)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS				COMPLETED
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING	
			M/M	\$	\$	\$	M/M	\$	\$	\$	
1987	MYA/1/012	Nuclear physics	-	-	103 079	30 623	-	-	103 117	24 316	1991
1982	MYA/2/006	Nuclear chemistry	-	-	63 000	-	-	-	60 879	-	1987
1983	MYA/4/005	Nuclear instrumentation	-	-	49 673	-	-	-	50 799	-	1988
1981	MYA/5/005	Radioisotopes in agriculture	4/18	31 440	77 200	-	4/27	31 393	76 761	-	1992
1982	MYA/6/013	Nuclear medicine	1/00	6 900	52 000	-	1/00	6 933	51 397	-	1986
1984	MYA/6/014	Nuclear medicine services	3/15	26 775	156 593	33 550	3/11	26 407	157 754	32 788	1993
1989	MYA/6/015	Hormonal studies on pituitary adrenal disorders	4/00	33 150	32 014	4 400	4/04	26 517	32 141	5 536	1993
1982	MYA/7/004	Tissue sterilization	2/29	16 020	94 739	-	2/29	22 416	94 720	-	1991
1984	MYA/9/002	Environmental radiation monitoring	4/16	33 280	237 683	-	4/16	38 991	238 114	-	1991
	TOTAL	9 Projects	20/18	147 565	865 981	68 573	20/27	152 657	865 682	62 640	

OPERATIONAL PROJECTS IN MYANMAR
(As of 1 November 1995)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS			
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING
			M/M	\$	\$	\$	M/M	\$	\$	\$
1993	MYA/0/004	Manpower development	1/00	12 000	5 000	254 750	-	-	-	99 068
1991	MYA/1/013	Applied nuclear physics and nuclear instrumentation	9/26	91 325	138 142	67 600	10/00	90 096	138 002	67 561
1991	MYA/2/007	Nuclear chemistry	3/27	39 630	91 000	53 260	3/29	42 083	91 055	40 888
1995	MYA/4/006	A national centre for nuclear instrument maintenance	3/00	36 000	72 800	48 460	1/07	17 084	47 283	5 034
1993	MYA/5/006	Isotopes and nuclear techniques in crop production	2/20	28 965	69 200	43 900	2/28	32 715	65 887	31 910
1993	MYA/5/007	Improving cattle fertility and disease diagnosis	5/00	55 350	115 229	95 571	4/06	48 406	86 718	53 300
1995	MYA/5/008	Mutation breeding in grain legumes	2/00	23 400	20 000	48 600	0/15	-	-	-

OPERATIONAL PROJECTS IN MYANMAR
(As of 1 November 1995)

STARTED	PROJECT NO.	TITLE	ALLOTMENTS				DISBURSEMENTS			
			EXPERTS		EQUIPMENT	TRAINING	EXPERTS		EQUIPMENT	TRAINING
			M/M	\$	\$	\$	M/M	\$	\$	\$
1993	MYA/6/016	Medical application of radioisotopes	1/21	18 780	77 300	22 837	2/01	18 971	54 404	22 837
1993	MYA/6/017	Application of nuclear techniques in reproductive health	3/00	31 050	69 150	15 800	3/01	25 850	60 006	14 899
1995	MYA/6/018	Nuclear techniques in diagnosis of tuberculosis	0/29	11 320	36 000	20 250	-	-	20 522	-
1995	MYA/6/019	RIA reagents for neonatal hypothyroid screening	2/00	23 400	46 000	40 500	0/28	12 950	27 189	2 710
1993	MYA/8/003	Sedimentation study at Inle lake	2/18	28 270	93 600	22 400	1/26	24 019	70 339	4 263
1993	MYA/8/004	Non-destructive testing laboratory	3/15	39 050	91 200	37 400	2/12	15 098	56 176	10 224
1991	MYA/9/003	Environmental radiation monitoring (phase II)	7/07	70 515	91 775	91 350	7/08	78 363	90 729	86 636
1995	MYA/9/004	Establishment of radiation protection infrastructure	3/00	36 000	81 400	42 300	1/11	16 405	5 489	-
	TOTAL	15 Projects	51/13	545 055	1 097 796	904 978	41/22	422 040	813 799	439 330

COUNTERPART INSTITUTIONS IN MYANMAR (I)
(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>GENERAL ATOMIC ENERGY DEVELOPMENT</u>		
MYA/0/004	Ministry of National Planning and Economic Development, Foreign Economic Relations Department, Yangon	U THEIN AUNG LWIN
<u>NUCLEAR PHYSICS AND CHEMISTRY</u>		
MYA/1/012	Yangon University, Department of Physics, Yangon	DAW MAY SU
MYA/1/013	1. Yangon University, Department of Physics, Yangon 2. University of Mawlamyine, Physics Department, Mawlamyine	U SEIN HTOON KHIN ZAW
MYA/2/006	Yangon University, Department of Chemistry, Yangon	MYINT U THEIN
MYA/2/007	Yangon University, Department of Chemistry, Yangon	MYINT U
<u>NUCLEAR ENGINEERING AND TECHNOLOGY</u>		
MYA/4/005	Yangon Arts and Science University, Yangon	AUNG ZIN
MYA/4/006	1. Myanmar Scientific and Technological Research Department, Fine Instruments Department, Yangon 2. Yangon University, Department of Physics, Yangon	MYO MYINT U SEIN HTOON

COUNTERPART INSTITUTIONS IN MYANMAR (I)
(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
<u>AGRICULTURE</u>		
MYA/5/005	Ministry of Agriculture, Myanmar Agriculture Service, Yangon	SHWE U HLA
MYA/5/006	Ministry of Agriculture, Myanmar Agriculture Service, Yangon	THAUNG TUN HLAING
MYA/5/007	Ministry of Livestock Breeding and Fisheries, Livestock Breeding and Veterinary Department, Yangon	DAW TIN AYE KYI
MYA/5/008	Ministry of Agriculture, Myanmar Agriculture Service, Yangon	SHWE U HLA
<u>NUCLEAR MEDICINE</u>		
MYA/6/013	Ministry of Health, Department of Medical Research, Yangon	THEIN-THAN
MYA/6/014	1. Yangon General Hospital, Department of Nuclear Medicine, Yangon 2. Ministry of Health, Mandalay General Hospital, Mandalay	U SAW AUNG HLA U SAN TUN AUNG
MYA/6/015	Ministry of Health, Department of Medical Research, Yangon	MYO KHIN
MYA/6/016	Yangon General Hospital, Department of Nuclear Medicine, Yangon	DAW WIN MAR
MYA/6/017	Ministry of Health, Department of Medical Research, Yangon	MYO KHIN

COUNTERPART INSTITUTIONS IN MYANMAR (I)

(By Project)

Project No. Institute Counterpart(s)

NUCLEAR MEDICINE (cont'd)

MYA/6/018	Ministry of Health, Department of Medical Research, Yangon	MYINT, ESTHER OHNMAR
MYA/6/019	1. Ministry of Health, Department of Medical Research, Yangon 2. Yangon General Hospital, Department of Nuclear Medicine, Yangon	U AYE KYAW DAW WIN MAR

NUCLEAR TECHNIQUES IN BIOLOGY

MYA/7/004	Yangon Orthopaedic Hospital, Myanmar Tissue Bank, Yangon	MYO MYINT
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NUCLEAR TECHNIQUES IN INDUSTRY AND HYDROLOGY

MYA/8/003	Ministry of Forestry, Forest Department, Yangon	U SEIN HTUN
MYA/8/004	Myanmar Scientific and Technological Research Department, Physics and Engineering Research Department, Yangon	KYAW MIN

COUNTERPART INSTITUTIONS IN MYANMAR (I)
(By Project)

<u>Project No.</u>	<u>Institute</u>	<u>Counterpart(s)</u>
	<u>NUCLEAR SAFETY</u>	
MYA/9/002	Myanmar Scientific and Technological Research Department, Atomic Energy Department, Yangon	U SAW AUNG HLA
MYA/9/003	Myanmar Scientific and Technological Research Department, Atomic Energy Department, Yangon	TIN HLAING
MYA/9/004	Myanmar Scientific and Technological Research Department, Atomic Energy Department, Yangon	U THEIN OO PO SAW

COUNTERPART INSTITUTIONS IN MYANMAR (II)
(By Institute)

YANGON

Ministry of National Planning and Economic Development
Foreign Economic Relations Department
Yangon

MYA/0/004 Manpower Development

Ministry of Agriculture
Myanmar Agriculture Service
Yangon

MYA/5/005 Radioisotopes in Agriculture
MYA/5/006 Isotopes and Nuclear Techniques in Crop Production
MYA/5/008 Mutation Breeding in Grain Legumes

Ministry of Livestock Breeding and Fisheries
Livestock Breeding and Veterinary Department
Yangon

MYA/5/007 Improving Cattle Fertility and Disease Diagnosis

Ministry of Health
Department of Medical Research
Yangon

MYA/6/013 Nuclear Medicine
MYA/6/015 Hormonal Studies on Pituitary Adrenal Disorders
MYA/6/017 Application of Nuclear Techniques in Reproductive Health
MYA/6/018 Nuclear Techniques in Diagnosis of Tuberculosis
MYA/6/019 RIA Reagents for Neonatal Hypothyroid Screening

Ministry of Forestry
Forest Department
Yangon

MYA/8/003 Sedimentation Study at Inle Lake

COUNTERPART INSTITUTIONS IN MYANMAR (II)
(By Institute)

YANGON

Yangon University
Department of Physics
Yangon

MYA/1/012	Nuclear Physics
MYA/1/013	Applied Nuclear Physics and Nuclear Instrumentation
MYA/4/006	A National Centre for Nuclear Instrumentation Maintenance

Yangon University
Department of Chemistry
Yangon

MYA/2/006	Nuclear Chemistry
MYA/2/007	Nuclear Chemistry

Yangon Arts and Science University
Yangon

MYA/4/005	Nuclear Instrumentation
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Myanmar Scientific and Technological Research Department
Fine Instruments Department
Yangon

MYA/4/006	A National Centre for Nuclear Instrumentation Maintenance
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Myanmar Scientific and Technological Research Department
Atomic Energy Department
Yangon

MYA/9/002	Environmental Radiation Monitoring
MYA/9/003	Environmental Radiation Monitoring (Phase II)
MYA/9/004	Establishment of Radiation Protection Infrastructure

COUNTERPART INSTITUTIONS IN MYANMAR (II)

(By Institute)

YANGON

**Myanmar Scientific and Technological Research Department
Physics and Engineering Research Department
Yangon**

MYA/8/004 Non-Destructive Testing Laboratory

**Yangon General Hospital
Department of Nuclear Medicine
Yangon**

MYA/6/014 Nuclear Medicine Services
MYA/6/016 Medical Application of Radioisotopes
MYA/6/019 RIA Reagents for Neonatal Hypothyroid Screening

**Yangon Orthopaedic Hospital
Myanmar Tissue Bank
Yangon**

MYA/7/004 Tissue Sterilization

MAWLAMYINE

**University of Mawlamyine
Physics Department
Mawlamyine**

MYA/1/013 Applied Nuclear Physics and Nuclear Instrumentation

MANDALAY

**Ministry of Health
Mandalay General Hospital
Mandalay**

MYA/6/014 Nuclear Medicine Services

**THE AGENCY'S TECHNICAL CO-OPERATION PROGRAMME WITH
MYANMAR
(1985 - 1995)**

LONG-TERM EXPERT ASSIGNMENTS

NONE

RESEARCH CONTRACTS/AGREEMENTS IN MYANMAR SINCE 1985 ^{1/}
(As of 1 November 1995)

Field of activity	No. of contracts/ agreements	Amount allocated \$
Nuclear techniques in agriculture	4	33 000
Nuclear medicine	4	23 000
Nuclear techniques in biology	3	21 000
TOTAL	11	77 000

^{1/} New awards since 1985.

**SCIENTISTS FROM MYANMAR SERVING AS AGENCY
TECHNICAL CO-OPERATION EXPERTS AND
TRAINING COURSE LECTURERS
OR
PARTICIPATING IN CO-ORDINATION MEETINGS
1985 - 1995
(As of 1 November 1995)**

Name	No. of assignments	Project(s)
DAW WIN MAR	2	RAS/6/011
HTAY U SEIN	1	RAS/4/008
MYINT, PETER E.	5	RAS/7/003
TIN MAUNG KYI	1	RAS/8/071
U AUNG GYI	1	RAS/8/070
U AYE KYAW	1	RAS/0/023
U HOKE SAN	1	RAS/5/029
U KYAW MYINT	1	RAS/0/023
U NGWE THEIN	1	RAS/0/023
U SAN LWIN	1	RAS/8/071
U SEIN PAN	1	RAS/0/019
U THEIN AUNG LWIN	1	RAS/7/003
U THEIN OO PO SAW	1	RAS/8/070
TOTAL	18	

**AGENCY FELLOWSHIPS AND SCIENTIFIC VISITS
HOSTED BY MYANMAR
1985 - 1995
(As of 1 November 1995)**

Recipient country	No. of fellowships	No. of scientific visits	TOTAL ¹
BANGLADESH	-	1	1
TOTAL	-	1	1

1./ Includes trainees who have completed or at least started their studies.

**REGIONAL AND INTERREGIONAL GROUP TRAINING EVENTS
HOSTED BY MYANMAR
1985 - 1995
(As of 1995)**

NONE